

**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, Martha Meyers-Lee

Project No: 15268508.20000
 Job ID.: 680-88527-3
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date(s) Collected: 03/19/2013 and 03/20/2013
 Date: 04/03/2013
 Date: 04/08/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.59 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.5 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 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 032013-RB-Bowls+Spoons (680-88527-34) was collected during the week of 03/18/2013. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank, and all results were reported under this Test America Job ID.	
12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> ○ If blank result > RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results ○ If blank result ≤RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results 			✓	Method and rinsate blank contamination does not exist.	
13. Are there negative laboratory blank results with the absolute value ≤RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? <ul style="list-style-type: none"> ○ 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 	✓			<ul style="list-style-type: none"> • 200.7: 03/26/2013-03/27/2013, instrument ICPE. One blank and one standard initially per analytical batch. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 245.1: 03/28/2013. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 6010C: 03/26/2013- 03/27/2013, and 03/27/2013-03/28/13, instrument ICPE. One blank and one standard initially per analytical batch. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				<ul style="list-style-type: none"> 7471B: 03/22/2013, and 03/27/2013-03/28/2013. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. 	
<p>17. Were these results within lab/project specifications?</p> <ul style="list-style-type: none"> o 6010C • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ 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): <ul style="list-style-type: none"> ▪ 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 o 7471B • ICV/CCV (Criteria: 80-120%R): <ul style="list-style-type: none"> ▪ 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): <ul style="list-style-type: none"> ▪ 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 	✓			<p>Mercury correlation coefficient:</p> <ul style="list-style-type: none"> • 245.1: ICAL of 03/28/2013 is 0.9997446 (page 871) • 7471B: <ul style="list-style-type: none"> o ICAL of 03/22/2013 is 0.9999374 (page 874) o ICAL of 03/27/2013 is 0.9997884 (page 876) 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> ▪ If CRI %R >180%, then R flag positive result 					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: <ul style="list-style-type: none"> ○ 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? <ul style="list-style-type: none"> ○ Soil: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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?	✓			<ul style="list-style-type: none"> • 200.7, Prep Batch 270488: 680-88440-10 (Batch sample), MS/MSD • 245.1, Prep Batch 270865: 680-88562-1 (Batch sample), MS/MSD • 6010C, Prep Batch 270365: 680-88527-5 (CV1318B-CS), MS/MSD • 7471B: <ul style="list-style-type: none"> ○ Prep Batch 270241: 680-88527-5 (CV1318B-CS), MS/MSD ○ Prep Batch 270664: 680-88527-35 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				(CV1318B-CS-sieve), MS/MSD	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			<ul style="list-style-type: none"> 6010C: 680-88527-5 (CV1318B-CS) 200.7: 680-88440-10 (Batch sample) 	
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, o 6010C: <ul style="list-style-type: none"> If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results If MS, MSD, and PDS %R >125, J+ flag positive results If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively If MS and MSD %R >125 and no PDS, then J+ flag positive results o 7471B: <ul style="list-style-type: none"> 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 		✓		CV1318B-CS (680-88527-5): <ul style="list-style-type: none"> Barium @ -131 and -262%R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (109%) fell within control limits (75-125). Chromium @ 47 and 182%R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (101%) fell within control limits (75-125). Lead @ -353 and -868%R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (99%) fell within control limits (75-125). Silver @ 29 and 26%R (75-125). PDS @ 113%R (75-125). UJ Flag ND sample result. Mercury @ 85 and 73%R (80-120). Qualification of the data is not necessary³. 	UJ
27. Were laboratory/project (<20%RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project</i>			✓		CV1318B-CS (680-88527-5): Chromium MS/MSD RPD @ 26% (<20). An evaluation of interference is

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
<p><i>samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> o If RPD >20%, J and UJ flag positive and non-detect results. 				not possible ² .	
28. Was a serial dilution conducted for 6010C?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓	✓		<ul style="list-style-type: none"> • 6010C: 680-88527-5 (CV1318B-CS) • 200.7: 680-88440-10 (Batch sample) 	
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i>	✓				
<ul style="list-style-type: none"> o If %D >10, J and UJ flag positive and non-detect results, respectively. 					
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i>			✓		
<ul style="list-style-type: none"> o If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively 					
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Attachment B (Case Narrative)	
<p>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 C). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment</p>					

DV Flag Definitions:

- J- The result is an estimated quantity, but the result may be biased low.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88527-5	CV1318B-CS	Solid	03/19/13 12:40	03/21/13 09:44
680-88527-7	CV1319B-CS	Solid	03/19/13 12:15	03/21/13 09:44
680-88527-14	CV1360F-CS	Solid	03/19/13 12:50	03/21/13 09:44
680-88527-15	CV1360G-CS	Solid	03/19/13 13:00	03/21/13 09:44
680-88527-34	032013-RB-Bowls + Spoons	Water	03/20/13 10:30	03/21/13 09:44
680-88527-35	CV1318B-CS-sieve	Solid	03/19/13 12:40	03/21/13 09:44
680-88527-36	CV1319B-CS-sieve	Solid	03/19/13 12:15	03/21/13 09:44
680-88527-37	CV1360F-CS-sieve	Solid	03/19/13 12:50	03/21/13 09:44
680-88527-38	CV1360G-CS-sieve	Solid	03/19/13 13:00	03/21/13 09:44

ATTACHMENT B

CASE NARRATIVE

Case Narrative

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Job ID: 680-88527-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88527-3

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 03/21/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

METALS (ICP)-Water

Sample 032013-RB-Bowls + Spoons (680-88527-34) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 03/25/2013 and analyzed on 03/27/2013.

Silver recovered outside the recovery criteria for the MS/MSD of sample 680-88440-10 in batch 680-271074.

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 metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY-Water

Sample 032013-RB-Bowls + Spoons (680-88527-34) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 03/27/2013 and analyzed on 03/28/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV1318B-CS (680-88527-5), CV1319B-CS (680-88527-7), CV1360F-CS (680-88527-14), CV1360G-CS (680-88527-15), CV1318B-CS-sieve (680-88527-35), CV1319B-CS-sieve (680-88527-36), CV1360F-CS-sieve (680-88527-37) and CV1360G-CS-sieve (680-88527-38) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/22/2013 and analyzed on 03/27/2013 and 03/28/2013.

Sample CV1319B-CS (680-88527-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1318B-CS (680-88527-5) in batch 680-270869.

Case Narrative

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Job ID: 680-88527-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Also, Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1318B-CS (680-88527-5), CV1319B-CS (680-88527-7), CV1360F-CS (680-88527-14), CV1360G-CS (680-88527-15), CV1318B-CS-sieve (680-88527-35), CV1319B-CS-sieve (680-88527-36), CV1360F-CS-sieve (680-88527-37) and CV1360G-CS-sieve (680-88527-38) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/21/2013 and 03/26/2013 and analyzed on 03/22/2013 and 03/27/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV1318B-CSMSD (680-88527-5) in batch 680-270366.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT C
QUALIFIED SAMPLE RESULTS

Client Sample Results

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Client Sample ID: CV1318B-CS

Lab Sample ID: 680-88527-5

Date Collected: 03/19/13 12:40

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 64.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		3.1	0.91	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Barium	320		1.5	0.46	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Cadmium	2.4		0.77	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Chromium	62		1.5	0.77	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Lead	300		1.5	0.82	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Selenium	3.9	U	3.9	1.5	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Silver	1.5	U J	1.5	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.029	0.012	mg/Kg	☼	03/21/13 16:41	03/22/13 12:09	1

Client Sample ID: CV1319B-CS

Lab Sample ID: 680-88527-7

Date Collected: 03/19/13 12:15

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 67.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.8	0.84	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Barium	380		1.4	0.43	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Cadmium	21		0.71	0.14	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Chromium	43		1.4	0.71	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Lead	3700		14	7.5	mg/Kg	☼	03/22/13 14:09	03/28/13 04:21	10
Selenium	3.6	U	3.6	1.4	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Silver	0.94	J	1.4	0.14	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	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	0.23		0.030	0.012	mg/Kg	☼	03/21/13 16:41	03/22/13 12:16	1

Client Sample ID: CV1360F-CS

Lab Sample ID: 680-88527-14

Date Collected: 03/19/13 12:50

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 60.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		3.1	0.90	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Barium	300		1.5	0.46	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Cadmium	2.2		0.77	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Chromium	130		1.5	0.77	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Lead	830		1.5	0.81	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Selenium	2.9	J	3.8	1.5	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Silver	0.35	J	1.5	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	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		0.030	0.012	mg/Kg	☼	03/21/13 16:41	03/22/13 12:19	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: 680-88527-3
 SDG: 68088527-2

Client Sample ID: CV1360G-CS

Lab Sample ID: 680-88527-15

Date Collected: 03/19/13 13:00

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 61.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		3.1	0.92	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	1
Barium	380		1.6	0.47	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	1
Cadmium	2.7		0.78	0.16	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	1
Chromium	190		1.6	0.78	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	1
Lead	630		1.6	0.83	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	1
Selenium	3.1	J	3.9	1.6	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	1
Silver	0.44	J	1.6	0.15	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:03	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		0.028	0.011	mg/Kg	⊛	03/21/13 16:41	03/22/13 12:21	1

Client Sample ID: 032013-RB-Bowls + Spoons

Lab Sample ID: 680-88527-34

Date Collected: 03/20/13 10:30

Matrix: Water

Date Received: 03/21/13 09:44

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		03/25/13 09:29	03/27/13 14:01	1
Barium	10	U	10	2.3	ug/L		03/25/13 09:29	03/27/13 14:01	1
Cadmium	5.0	U	5.0	2.0	ug/L		03/25/13 09:29	03/27/13 14:01	1
Chromium	10	U	10	1.2	ug/L		03/25/13 09:29	03/27/13 14:01	1
Lead	10	U	10	4.0	ug/L		03/25/13 09:29	03/27/13 14:01	1
Selenium	20	U	20	6.4	ug/L		03/25/13 09:29	03/27/13 14:01	1
Silver	10	U	10	0.89	ug/L		03/25/13 09:29	03/27/13 14:01	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		03/27/13 11:16	03/28/13 11:25	1

Client Sample ID: CV1318B-CS-sieve

Lab Sample ID: 680-88527-35

Date Collected: 03/19/13 12:40

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 80.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.3	0.69	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	1
Barium	190		1.2	0.35	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	1
Cadmium	1.9		0.58	0.12	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	1
Chromium	49		1.2	0.58	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	1
Lead	250		1.2	0.62	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	1
Selenium	2.9	U	2.9	1.2	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	1
Silver	1.2	U	1.2	0.11	mg/Kg	⊛	03/22/13 14:09	03/27/13 01:08	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	0.19		0.023	0.0093	mg/Kg	⊛	03/26/13 10:14	03/27/13 13:49	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: 680-88527-3
 SDG: 68088527-2

Client Sample ID: CV1319B-CS-sieve

Lab Sample ID: 680-88527-36

Date Collected: 03/19/13 12:15

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 81.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.4	0.71	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	1
Barium	280		1.2	0.36	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	1
Cadmium	20		0.60	0.12	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	1
Chromium	36		1.2	0.60	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	1
Lead	420		1.2	0.63	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	1
Silver	0.39	J	1.2	0.12	mg/Kg	☐	03/22/13 14:09	03/27/13 01:14	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	0.20		0.022	0.0089	mg/Kg	☐	03/26/13 10:14	03/27/13 13:56	1

Client Sample ID: CV1360F-CS-sieve

Lab Sample ID: 680-88527-37

Date Collected: 03/19/13 12:50

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 78.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		2.4	0.71	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	1
Barium	270		1.2	0.36	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	1
Cadmium	1.9		0.60	0.12	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	1
Chromium	94		1.2	0.60	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	1
Lead	590		1.2	0.63	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	1
Selenium	2.2	J	3.0	1.2	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	1
Silver	0.25	J	1.2	0.11	mg/Kg	☐	03/22/13 14:09	03/27/13 01:19	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		0.022	0.0091	mg/Kg	☐	03/26/13 10:14	03/27/13 13:58	1

Client Sample ID: CV1360G-CS-sieve

Lab Sample ID: 680-88527-38

Date Collected: 03/19/13 13:00

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 78.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		2.5	0.72	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	1
Barium	330		1.2	0.37	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	1
Cadmium	2.8		0.61	0.12	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	1
Chromium	84		1.2	0.61	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	1
Lead	450		1.2	0.65	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	1
Selenium	2.9	J	3.1	1.2	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	1
Silver	0.36	J	1.2	0.12	mg/Kg	☐	03/22/13 14:09	03/27/13 01:25	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	0.10		0.022	0.0092	mg/Kg	☐	03/26/13 10:14	03/27/13 14:01	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: 680-88527-3

SDG Number: 68088527-2

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
4/3/2013 11:36 AM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
04/03/2013

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

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88527-3

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 03/21/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

METALS (ICP)-Water

Sample 032013-RB-Bowls + Spoons (680-88527-34) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 03/25/2013 and analyzed on 03/27/2013.

Silver recovered outside the recovery criteria for the MS/MSD of sample 680-88440-10 in batch 680-271074.

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 metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY-Water

Sample 032013-RB-Bowls + Spoons (680-88527-34) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 03/27/2013 and analyzed on 03/28/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV1318B-CS (680-88527-5), CV1319B-CS (680-88527-7), CV1360F-CS (680-88527-14), CV1360G-CS (680-88527-15), CV1318B-CS-sieve (680-88527-35), CV1319B-CS-sieve (680-88527-36), CV1360F-CS-sieve (680-88527-37) and CV1360G-CS-sieve (680-88527-38) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/22/2013 and analyzed on 03/27/2013 and 03/28/2013.

Sample CV1319B-CS (680-88527-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1318B-CS (680-88527-5) in batch 680-270869. Also, Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1318B-CS (680-88527-5), CV1319B-CS (680-88527-7), CV1360F-CS (680-88527-14), CV1360G-CS (680-88527-15), CV1318B-CS-sieve (680-88527-35), CV1319B-CS-sieve (680-88527-36), CV1360F-CS-sieve (680-88527-37) and CV1360G-CS-sieve (680-88527-38) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/21/2013 and 03/26/2013 and analyzed on 03/22/2013 and 03/27/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV1318B-CSMSD (680-88527-5) in batch 680-270366.

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: 680-88527-3

Sdg Number: 68088527-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88527-5	CV1318B-CS	Solid	03/19/2013 1240	03/21/2013 0944
680-88527-5MS	CV1318B-CS	Solid	03/19/2013 1240	03/21/2013 0944
680-88527-5MSD	CV1318B-CS	Solid	03/19/2013 1240	03/21/2013 0944
680-88527-7	CV1319B-CS	Solid	03/19/2013 1215	03/21/2013 0944
680-88527-14	CV1360F-CS	Solid	03/19/2013 1250	03/21/2013 0944
680-88527-15	CV1360G-CS	Solid	03/19/2013 1300	03/21/2013 0944
680-88527-34	032013-RB-Bowls + Spoons	Water	03/20/2013 1030	03/21/2013 0944
680-88527-35	CV1318B-CS-sieve	Solid	03/19/2013 1240	03/21/2013 0944
680-88527-36	CV1319B-CS-sieve	Solid	03/19/2013 1215	03/21/2013 0944
680-88527-37	CV1360F-CS-sieve	Solid	03/19/2013 1250	03/21/2013 0944
680-88527-38	CV1360G-CS-sieve	Solid	03/19/2013 1300	03/21/2013 0944

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

Sdg Number: 68088527-2

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: 680-88527-3

Sdg Number: 68088527-2

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: 680-88527-3

Sdg Number: 68088527-2

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

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

Sdg Number: 68088527-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 680-270241					
LCS 680-270241/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-270241/1-A	Method Blank	T	Solid	7471B	
680-88527-5	CV1318B-CS	T	Solid	7471B	
680-88527-5MS	Matrix Spike	T	Solid	7471B	
680-88527-5MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-88527-7	CV1319B-CS	T	Solid	7471B	
680-88527-14	CV1360F-CS	T	Solid	7471B	
680-88527-15	CV1360G-CS	T	Solid	7471B	
Prep Batch: 680-270365					
LCS 680-270365/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-270365/1-A	Method Blank	T	Solid	3050B	
680-88527-5	CV1318B-CS	T	Solid	3050B	
680-88527-5MS	Matrix Spike	T	Solid	3050B	
680-88527-5MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-88527-7	CV1319B-CS	T	Solid	3050B	
680-88527-14	CV1360F-CS	T	Solid	3050B	
680-88527-15	CV1360G-CS	T	Solid	3050B	
680-88527-35	CV1318B-CS-sieve	T	Solid	3050B	
680-88527-36	CV1319B-CS-sieve	T	Solid	3050B	
680-88527-37	CV1360F-CS-sieve	T	Solid	3050B	
680-88527-38	CV1360G-CS-sieve	T	Solid	3050B	
Analysis Batch:680-270366					
LCS 680-270241/2-A	Lab Control Sample	T	Solid	7471B	680-270241
MB 680-270241/1-A	Method Blank	T	Solid	7471B	680-270241
680-88527-5	CV1318B-CS	T	Solid	7471B	680-270241
680-88527-5MS	Matrix Spike	T	Solid	7471B	680-270241
680-88527-5MSD	Matrix Spike Duplicate	T	Solid	7471B	680-270241
680-88527-7	CV1319B-CS	T	Solid	7471B	680-270241
680-88527-14	CV1360F-CS	T	Solid	7471B	680-270241
680-88527-15	CV1360G-CS	T	Solid	7471B	680-270241
Prep Batch: 680-270488					
LCS 680-270488/3-A	Lab Control Sample	T	Water	200.7	
MB 680-270488/1-A	Method Blank	T	Water	200.7	
680-88440-C-10-B MS	Matrix Spike	T	Water	200.7	
680-88440-C-10-C MSD	Matrix Spike Duplicate	T	Water	200.7	
680-88527-34	032013-RB-Bowls + Spoons	T	Water	200.7	

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

Sdg Number: 68088527-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-270664					
LCS 680-270664/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-270664/1-A	Method Blank	T	Solid	7471B	
680-88527-35	CV1318B-CS-sieve	T	Solid	7471B	
680-88527-35MS	Matrix Spike	T	Solid	7471B	
680-88527-35MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-88527-36	CV1319B-CS-sieve	T	Solid	7471B	
680-88527-37	CV1360F-CS-sieve	T	Solid	7471B	
680-88527-38	CV1360G-CS-sieve	T	Solid	7471B	
Prep Batch: 680-270865					
LCS 680-270865/2-A	Lab Control Sample	T	Water	245.1	
MB 680-270865/1-A	Method Blank	T	Water	245.1	
680-88527-34	032013-RB-Bowls + Spoons	T	Water	245.1	
680-88562-D-1-D MS	Matrix Spike	T	Water	245.1	
680-88562-D-1-E MSD	Matrix Spike Duplicate	T	Water	245.1	
Analysis Batch:680-270869					
LCS 680-270365/3-A	Lab Control Sample	T	Solid	6010C	680-270365
MB 680-270365/1-A	Method Blank	T	Solid	6010C	680-270365
680-88527-5	CV1318B-CS	T	Solid	6010C	680-270365
680-88527-5MS	Matrix Spike	T	Solid	6010C	680-270365
680-88527-5MSD	Matrix Spike Duplicate	T	Solid	6010C	680-270365
680-88527-7	CV1319B-CS	T	Solid	6010C	680-270365
680-88527-14	CV1360F-CS	T	Solid	6010C	680-270365
680-88527-15	CV1360G-CS	T	Solid	6010C	680-270365
680-88527-35	CV1318B-CS-sieve	T	Solid	6010C	680-270365
680-88527-36	CV1319B-CS-sieve	T	Solid	6010C	680-270365
680-88527-37	CV1360F-CS-sieve	T	Solid	6010C	680-270365
680-88527-38	CV1360G-CS-sieve	T	Solid	6010C	680-270365
Analysis Batch:680-271035					
LCS 680-270664/2-A	Lab Control Sample	T	Solid	7471B	680-270664
MB 680-270664/1-A	Method Blank	T	Solid	7471B	680-270664
680-88527-35	CV1318B-CS-sieve	T	Solid	7471B	680-270664
680-88527-35MS	Matrix Spike	T	Solid	7471B	680-270664
680-88527-35MSD	Matrix Spike Duplicate	T	Solid	7471B	680-270664
680-88527-36	CV1319B-CS-sieve	T	Solid	7471B	680-270664
680-88527-37	CV1360F-CS-sieve	T	Solid	7471B	680-270664
680-88527-38	CV1360G-CS-sieve	T	Solid	7471B	680-270664

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

Sdg Number: 68088527-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-271074					
LCS 680-270488/3-A	Lab Control Sample	T	Water	200.7 Rev 4.4	680-270488
MB 680-270488/1-A	Method Blank	T	Water	200.7 Rev 4.4	680-270488
680-88440-C-10-B MS	Matrix Spike	T	Water	200.7 Rev 4.4	680-270488
680-88440-C-10-C MSD	Matrix Spike Duplicate	T	Water	200.7 Rev 4.4	680-270488
680-88527-34	032013-RB-Bowls + Spoons	T	Water	200.7 Rev 4.4	680-270488
Analysis Batch:680-271075					
680-88527-7	CV1319B-CS	T	Solid	6010C	680-270365
680-88527-14	CV1360F-CS	T	Solid	6010C	680-270365
680-88527-15	CV1360G-CS	T	Solid	6010C	680-270365
680-88527-37	CV1360F-CS-sieve	T	Solid	6010C	680-270365
680-88527-38	CV1360G-CS-sieve	T	Solid	6010C	680-270365
Analysis Batch:680-271095					
LCS 680-270865/2-A	Lab Control Sample	T	Water	245.1	680-270865
MB 680-270865/1-A	Method Blank	T	Water	245.1	680-270865
680-88527-34	032013-RB-Bowls + Spoons	T	Water	245.1	680-270865
680-88562-D-1-D MS	Matrix Spike	T	Water	245.1	680-270865
680-88562-D-1-E MSD	Matrix Spike Duplicate	T	Water	245.1	680-270865

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

Sdg Number: 68088527-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-135709					
MB 660-135709/1	Method Blank	T	Solid	Moisture	
680-88527-5	CV1318B-CS	T	Solid	Moisture	
680-88527-5MS	Matrix Spike	T	Solid	Moisture	
680-88527-5MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88527-7	CV1319B-CS	T	Solid	Moisture	
680-88527-14	CV1360F-CS	T	Solid	Moisture	
680-88527-15	CV1360G-CS	T	Solid	Moisture	
680-88527-A-21 MS	Matrix Spike	T	Solid	Moisture	
680-88527-A-21 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:680-270239					
680-88527-35	CV1318B-CS-sieve	T	Solid	Moisture	
680-88527-36	CV1319B-CS-sieve	T	Solid	Moisture	
680-88527-37	CV1360F-CS-sieve	T	Solid	Moisture	
680-88527-38	CV1360G-CS-sieve	T	Solid	Moisture	
680-88532-E-7 MS	Matrix Spike	T	Solid	Moisture	
680-88532-E-7 MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis

T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88527-3
SDG No.: 68088527-2
Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV1318B-CS</u>	<u>680-88527-5</u>
<u>CV1319B-CS</u>	<u>680-88527-7</u>
<u>CV1360F-CS</u>	<u>680-88527-14</u>
<u>CV1360G-CS</u>	<u>680-88527-15</u>
<u>032013-RB-Bowls + Spoons</u>	<u>680-88527-34</u>
<u>CV1318B-CS-sieve</u>	<u>680-88527-35</u>
<u>CV1319B-CS-sieve</u>	<u>680-88527-36</u>
<u>CV1360F-CS-sieve</u>	<u>680-88527-37</u>
<u>CV1360G-CS-sieve</u>	<u>680-88527-38</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1318B-CS Lab Sample ID: 680-88527-5
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG ID.: 68088527-2
 Matrix: Solid Date Sampled: 03/19/2013 12:40
 Reporting Basis: DRY Date Received: 03/21/2013 09:44
 % Solids: 64.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	3.1	0.91	mg/Kg			1	6010C
7440-39-3	Barium	320	1.5	0.46	mg/Kg			1	6010C
7440-43-9	Cadmium	2.4	0.77	0.15	mg/Kg			1	6010C
7440-47-3	Chromium	62	1.5	0.77	mg/Kg			1	6010C
7439-92-1	Lead	300	1.5	0.82	mg/Kg			1	6010C
7782-49-2	Selenium	3.9	3.9	1.5	mg/Kg	U		1	6010C
7440-22-4	Silver	1.5	1.5	0.15	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.24	0.029	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1319B-CS Lab Sample ID: 680-88527-7
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG ID.: 68088527-2
 Matrix: Solid Date Sampled: 03/19/2013 12:15
 Reporting Basis: DRY Date Received: 03/21/2013 09:44
 % Solids: 67.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	2.8	0.84	mg/Kg			1	6010C
7440-39-3	Barium	380	1.4	0.43	mg/Kg			1	6010C
7440-43-9	Cadmium	21	0.71	0.14	mg/Kg			1	6010C
7440-47-3	Chromium	43	1.4	0.71	mg/Kg			1	6010C
7439-92-1	Lead	3700	14	7.5	mg/Kg			10	6010C
7782-49-2	Selenium	3.6	3.6	1.4	mg/Kg	U		1	6010C
7440-22-4	Silver	0.94	1.4	0.14	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.23	0.030	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1360F-CS

Lab Sample ID: 680-88527-14

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG ID.: 68088527-2

Matrix: Solid

Date Sampled: 03/19/2013 12:50

Reporting Basis: DRY

Date Received: 03/21/2013 09:44

% Solids: 60.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	24	3.1	0.90	mg/Kg			1	6010C
7440-39-3	Barium	300	1.5	0.46	mg/Kg			1	6010C
7440-43-9	Cadmium	2.2	0.77	0.15	mg/Kg			1	6010C
7440-47-3	Chromium	130	1.5	0.77	mg/Kg			1	6010C
7439-92-1	Lead	830	1.5	0.81	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	3.8	1.5	mg/Kg	J		1	6010C
7440-22-4	Silver	0.35	1.5	0.15	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.12	0.030	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1360G-CS

Lab Sample ID: 680-88527-15

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG ID.: 68088527-2

Matrix: Solid

Date Sampled: 03/19/2013 13:00

Reporting Basis: DRY

Date Received: 03/21/2013 09:44

% Solids: 61.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	21	3.1	0.92	mg/Kg			1	6010C
7440-39-3	Barium	380	1.6	0.47	mg/Kg			1	6010C
7440-43-9	Cadmium	2.7	0.78	0.16	mg/Kg			1	6010C
7440-47-3	Chromium	190	1.6	0.78	mg/Kg			1	6010C
7439-92-1	Lead	630	1.6	0.83	mg/Kg			1	6010C
7782-49-2	Selenium	3.1	3.9	1.6	mg/Kg	J		1	6010C
7440-22-4	Silver	0.44	1.6	0.15	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.14	0.028	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 032013-RB-Bowls + Spoons

Lab Sample ID: 680-88527-34

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG ID.: 68088527-2

Matrix: Water

Date Sampled: 03/20/2013 10:30

Reporting Basis: WET

Date Received: 03/21/2013 09:44

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1318B-CS-sieve

Lab Sample ID: 680-88527-35

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG ID.: 68088527-2

Matrix: Solid

Date Sampled: 03/19/2013 12:40

Reporting Basis: DRY

Date Received: 03/21/2013 09:44

% Solids: 80.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	2.3	0.69	mg/Kg			1	6010C
7440-39-3	Barium	190	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	1.9	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	49	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	250	1.2	0.62	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.19	0.023	0.0093	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1319B-CS-sieve Lab Sample ID: 680-88527-36
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG ID.: 68088527-2
 Matrix: Solid Date Sampled: 03/19/2013 12:15
 Reporting Basis: DRY Date Received: 03/21/2013 09:44
 % Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	280	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	20	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	36	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	420	1.2	0.63	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.39	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.20	0.022	0.0089	mg/Kg			1	7471B

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: CV1360F-CS-sieve

Lab Sample ID: 680-88527-37

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG ID.: 68088527-2

Matrix: Solid

Date Sampled: 03/19/2013 12:50

Reporting Basis: DRY

Date Received: 03/21/2013 09:44

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	15	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	270	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	1.9	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	94	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	590	1.2	0.63	mg/Kg			1	6010C
7782-49-2	Selenium	2.2	3.0	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	0.25	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.12	0.022	0.0091	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1360G-CS-sieve Lab Sample ID: 680-88527-38
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG ID.: 68088527-2
 Matrix: Solid Date Sampled: 03/19/2013 13:00
 Reporting Basis: DRY Date Received: 03/21/2013 09:44
 % Solids: 78.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17	2.5	0.72	mg/Kg			1	6010C
7440-39-3	Barium	330	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	2.8	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	84	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	450	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	3.1	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	0.36	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.10	0.022	0.0092	mg/Kg			1	7471B

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00108

Analyte	ICV 680-270869/4 03/26/2013 14:27				CCV 680-270869/93 03/26/2013 22:31				CCV 680-270869/103 03/26/2013 23:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	980		1000	98	463		500	93	457		500	91
Barium	1020		1000	102	5000		5000	100	4940		5000	99
Cadmium	1020		1000	102	484		500	97	479		500	96
Chromium	1000		1000	100	4750		5000	95	4710		5000	94
Lead	1020		1000	102	487		500	97	479		500	96
Selenium	1010		1000	101	4890		5000	98	4840		5000	97
Silver	1020		1000	102	502		500	100	500		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.: 680-88527-3

SDG No.: 68088527-2

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCv_wk_00108

Analyte	CCV 680-270869/115 03/27/2013 00:30				CCV 680-270869/126 03/27/2013 01:30							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	465		500	93	460		500	92				
Barium	4960		5000	99	4900		5000	98				
Cadmium	481		500	96	473		500	95				
Chromium	4740		5000	95	4670		5000	93				
Lead	481		500	96	474		500	95				
Selenium	4870		5000	97	4790		5000	96				
Silver	502		500	100	494		500	99				

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00108

Analyte	ICV 680-271074/4 03/26/2013 14:27				CCV 680-271074/229 03/27/2013 10:54				CCV 680-271074/241 03/27/2013 12:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	980		1000	98	457		500	91	455		500	91
Barium	1020		1000	102	4950		5000	99	4910		5000	98
Cadmium	1020		1000	102	476		500	95	475		500	95
Chromium	1000		1000	100	4710		5000	94	4690		5000	94
Lead	1020		1000	102	476		500	95	481		500	96
Selenium	1010		1000	101	4820		5000	96	4810		5000	96
Silver	1020		1000	102	503		500	101	505		500	101

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00108

Analyte	CCV 680-271074/253 03/27/2013 13:23				CCV 680-271074/265 03/27/2013 14:28							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	450		500	90	450		500	90				
Barium	4930		5000	99	4940		5000	99				
Cadmium	478		500	96	479		500	96				
Chromium	4740		5000	95	4760		5000	95				
Lead	480		500	96	483		500	97				
Selenium	4840		5000	97	4850		5000	97				
Silver	505		500	101	504		500	101				

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00108

Analyte	ICV 680-271075/4 03/27/2013 15:37				CCV 680-271075/141 03/28/2013 04:10				CCV 680-271075/153 03/28/2013 05:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	1020		1000	102	486		500	97	486		500	97
<i>Arsenic</i>	964		1000	96	475		500	95	470		500	94
<i>Barium</i>	1020		1000	102	4900		5000	98	4880		5000	98
<i>Cadmium</i>	1020		1000	102	488		500	98	488		500	98
<i>Chromium</i>	998		1000	100	4900		5000	98	4870		5000	97
<i>Selenium</i>	998		1000	100	4820		5000	96	4780		5000	96
<i>Silver</i>	1020		1000	102	499		500	100	488		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.: 680-88527-3

SDG No.: 68088527-2

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	ICV 680-270110/34-A 03/22/2013 11:22				CCV 680-270110/31-A 03/22/2013 11:59				CCV 680-270110/31-A 03/22/2013 12:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.12		3.00	104	2.49		2.50	100	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.: 680-88527-3

SDG No.: 68088527-2

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	ICV 680-270664/32-A 03/27/2013 13:29				CCV 680-270664/29-A 03/27/2013 13:36				CCV 680-270664/29-A 03/27/2013 14:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.06		3.00	102	2.59		2.50	104	2.60		2.50	104

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.: 680-88527-3

SDG No.: 68088527-2

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	ICV 680-270865/23-A 03/28/2013 10:14				CCV 680-270865/20-A 03/28/2013 11:03				CCV 680-270865/20-A 03/28/2013 11:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.98		3.00	99	2.48		2.50	99	2.50		2.50	100

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Method: 200.7 Rev 4.4 Instrument ID: ICPE
 Lab Sample ID: CRI 680-271074/6 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	20.9		105	50-150
Barium	10.0	10.3		103	50-150
Cadmium	5.00	5.38		108	50-150
Chromium	10.0	10.2		102	50-150
Lead	10.0	9.23	J	92	50-150
Selenium	20.0	20.9		104	50-150
Silver	10.0	9.93	J	99	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.: 680-88527-3
 SDG No.: 68088527-2
 Method: 6010C Instrument ID: ICPE
 Lab Sample ID: CRI 680-270869/6 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	20.9		105	50-150
Barium	10.0	10.3		103	50-150
Cadmium	5.00	5.38		108	50-150
Chromium	10.0	10.2		102	50-150
Lead	10.0	9.23	J	92	50-150
Selenium	20.0	20.9	J	104	50-150
Silver	10.0	9.93	J	99	50-150

Lab Sample ID: CRI 680-271075/6 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	22.4		112	50-150
Barium	10.0	10.0		100	50-150
Cadmium	5.00	5.12		102	50-150
Chromium	10.0	10.2		102	50-150
Lead	10.0	10.1		101	50-150
Selenium	20.0	18.2	J	91	50-150
Silver	10.0	9.86	J	99	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.: 680-88527-3
 SDG No.: 68088527-2
 Method: 245.1 Instrument ID: LEEMAN2
 Lab Sample ID: CRA 680-270865/25-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	0.186	J	93	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.: 680-88527-3
 SDG No.: 68088527-2
 Method: 7471B Instrument ID: LEEMAN2
 Lab Sample ID: CRA 680-270110/36-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	0.197	J	99	50-150

Lab Sample ID: CRA 680-270664/34-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	0.183	J	91	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.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	ICBIS 680-270869/5 03/26/2013 14:32		CCB 680-270869/94 03/26/2013 22:36		CCB 680-270869/104 03/26/2013 23:31		CCB 680-270869/116 03/27/2013 00:36	
		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.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	CCB 680-270869/127 03/27/2013 01:35							
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U						
Barium	10	10	U						
Cadmium	5.0	5.0	U						
Chromium	10	10	U						
Lead	10	10	U						
Selenium	25	25	U						
Silver	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271074/5 03/26/2013 14:32		CCB 680-271074/230 03/27/2013 10:59		CCB 680-271074/242 03/27/2013 12:23		CCB 680-271074/254 03/27/2013 13:28	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	4.71	J	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.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	CCB 680-271074/266 03/27/2013 14:33							
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U						
Barium	10	10	U						
Cadmium	5.0	5.0	U						
Chromium	10	10	U						
Lead	10	10	U						
Selenium	20	20	U						
Silver	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271075/5 03/27/2013 15:43		CCB 680-271075/142 03/28/2013 04:16		CCB 680-271075/154 03/28/2013 05:21		Found	C
		Found	C	Found	C	Found	C		
Lead	10	10	U	10	U	10	U		
<i>Arsenic</i>	20	20	U	20	U	20	U		
<i>Barium</i>	10	10	U	10	U	10	U		
<i>Cadmium</i>	5.0	5.0	U	5.0	U	5.0	U		
<i>Chromium</i>	10	10	U	10	U	10	U		
<i>Selenium</i>	25	25	U	25	U	25	U		
<i>Silver</i>	10	10	U	10	U	10	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	ICB 680-270110/35-A 03/22/2013 11:24		CCB 680-270110/32-A 03/22/2013 12:02		CCB 680-270110/32-A 03/22/2013 12:31		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	ICB 680-270664/33-A 03/27/2013 13:31		CCB 680-270664/30-A 03/27/2013 13:39		CCB 680-270664/30-A 03/27/2013 14:08		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Concentration Units: ug/L

Analyte	RL	ICB 680-270865/24-A 03/28/2013 10:17		CCB 680-270865/21-A 03/28/2013 11:05		CCB 680-270865/21-A 03/28/2013 11:35		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3
SDG No.: 68088527-2
Concentration Units: ug/L Lab Sample ID: MB 680-270488/1-A
Instrument Code: ICPE Batch No.: 271074

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.: 680-88527-3
SDG No.: 68088527-2
Concentration Units: mg/Kg Lab Sample ID: MB 680-270365/1-A
Instrument Code: ICPE Batch No.: 270869

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	1.9	U		6010C
7440-39-3	Barium	0.97	U		6010C
7440-43-9	Cadmium	0.49	U		6010C
7440-47-3	Chromium	0.97	U		6010C
7439-92-1	Lead	0.97	U		6010C
7782-49-2	Selenium	2.4	U		6010C
7440-22-4	Silver	0.97	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3
SDG No.: 68088527-2
Concentration Units: ug/L Lab Sample ID: MB 680-270865/1-A
Instrument Code: LEEMAN2 Batch No.: 271095

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.: 680-88527-3
SDG No.: 68088527-2
Concentration Units: mg/Kg Lab Sample ID: MB 680-270241/1-A
Instrument Code: LEEMAN2 Batch No.: 270366

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3
SDG No.: 68088527-2
Concentration Units: mg/Kg Lab Sample ID: MB 680-270664/1-A
Instrument Code: LEEMAN2 Batch No.: 271035

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.019	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Lab Sample ID: ICSA 680-271074/7

Instrument ID: ICPE

Lab File ID: E03262013FIN.csv

ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-0.191	
Barium		-2.60	
Cadmium		1.73	
Chromium		0.948	
Lead		-3.65	
Selenium		-4.00	
Silver		-0.0707	
<i>Aluminum</i>	<i>500000</i>	<i>538740</i>	<i>108</i>
<i>Antimony</i>		<i>3.80</i>	
<i>Beryllium</i>		<i>-0.154</i>	
<i>Boron</i>		<i>-10.6</i>	
<i>Calcium</i>	<i>500000</i>	<i>500778</i>	<i>100</i>
<i>Cobalt</i>		<i>0.740</i>	
<i>Copper</i>		<i>0.896</i>	
<i>Iron</i>	<i>200000</i>	<i>200076</i>	<i>100</i>
<i>Magnesium</i>	<i>500000</i>	<i>553234</i>	<i>111</i>
<i>Manganese</i>		<i>0.405</i>	
<i>Molybdenum</i>		<i>1.27</i>	
<i>Nickel</i>		<i>6.27</i>	
<i>Potassium</i>		<i>2.38</i>	
<i>Sodium</i>		<i>-360</i>	
<i>Strontium</i>		<i>2.32</i>	
<i>Thallium</i>		<i>3.53</i>	
<i>Tin</i>		<i>-4.28</i>	
<i>Titanium</i>		<i>0.234</i>	
<i>Vanadium</i>		<i>-3.81</i>	
<i>Zinc</i>		<i>19.1</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.: 680-88527-3

SDG No.: 68088527-2

Lab Sample ID: ICSAB 680-271074/8

Instrument ID: ICPE

Lab File ID: E03262013FIN.csv

ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	118	118
Barium	500	523	105
Cadmium	1000	1007	101
Chromium	500	512	102
Lead	50.0	47.6	95
Selenium	50.0	47.1	94
Silver	200	230	115
<i>Aluminum</i>	<i>500000</i>	<i>543514</i>	<i>109</i>
<i>Antimony</i>	<i>600</i>	<i>638</i>	<i>106</i>
<i>Beryllium</i>	<i>500</i>	<i>512</i>	<i>102</i>
<i>Boron</i>		<i>-19.0</i>	
<i>Calcium</i>	<i>500000</i>	<i>506442</i>	<i>101</i>
<i>Cobalt</i>	<i>500</i>	<i>500</i>	<i>100</i>
<i>Copper</i>	<i>500</i>	<i>549</i>	<i>110</i>
<i>Iron</i>	<i>200000</i>	<i>201949</i>	<i>101</i>
<i>Magnesium</i>	<i>500000</i>	<i>560686</i>	<i>112</i>
<i>Manganese</i>	<i>500</i>	<i>508</i>	<i>102</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1102</i>	<i>110</i>
<i>Nickel</i>	<i>1000</i>	<i>992</i>	<i>99</i>
<i>Potassium</i>		<i>3.55</i>	
<i>Sodium</i>		<i>-324</i>	
<i>Strontium</i>		<i>1.58</i>	
<i>Thallium</i>	<i>100</i>	<i>106</i>	<i>106</i>
<i>Tin</i>	<i>1000</i>	<i>1084</i>	<i>108</i>
<i>Titanium</i>		<i>-6.33</i>	
<i>Vanadium</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Zinc</i>	<i>1000</i>	<i>992</i>	<i>99</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.: 680-88527-3

SDG No.: 68088527-2

Lab Sample ID: ICSA 680-270869/7

Instrument ID: ICPE

Lab File ID: E03262013.csv

ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-0.191	
Barium		-2.60	
Cadmium		1.73	
Chromium		0.948	
Lead		-3.65	
Selenium		-4.00	
Silver		-0.0707	
<i>Aluminum</i>	<i>500000</i>	<i>538740</i>	<i>108</i>
<i>Antimony</i>		<i>3.80</i>	
<i>Beryllium</i>		<i>-0.154</i>	
<i>Boron</i>		<i>-10.6</i>	
<i>Calcium</i>	<i>500000</i>	<i>500778</i>	<i>100</i>
<i>Cobalt</i>		<i>0.740</i>	
<i>Copper</i>		<i>0.896</i>	
<i>Iron</i>	<i>200000</i>	<i>200076</i>	<i>100</i>
<i>Magnesium</i>	<i>500000</i>	<i>553234</i>	<i>111</i>
<i>Manganese</i>		<i>0.405</i>	
<i>Molybdenum</i>		<i>1.27</i>	
<i>Nickel</i>		<i>6.27</i>	
<i>Potassium</i>		<i>2.38</i>	
<i>Sodium</i>		<i>-360</i>	
<i>Strontium</i>		<i>2.32</i>	
<i>Thallium</i>		<i>3.53</i>	
<i>Tin</i>		<i>-4.28</i>	
<i>Titanium</i>		<i>0.234</i>	
<i>Vanadium</i>		<i>-3.81</i>	
<i>Zinc</i>		<i>19.1</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.: 680-88527-3

SDG No.: 68088527-2

Lab Sample ID: ICSAB 680-270869/8

Instrument ID: ICPE

Lab File ID: E03262013.csv

ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	118	118
Barium	500	523	105
Cadmium	1000	1007	101
Chromium	500	512	102
Lead	50.0	47.6	95
Selenium	50.0	47.1	94
Silver	200	230	115
<i>Aluminum</i>	<i>500000</i>	<i>543514</i>	<i>109</i>
<i>Antimony</i>	<i>600</i>	<i>638</i>	<i>106</i>
<i>Beryllium</i>	<i>500</i>	<i>512</i>	<i>102</i>
<i>Boron</i>		<i>-19.0</i>	
<i>Calcium</i>	<i>500000</i>	<i>506442</i>	<i>101</i>
<i>Cobalt</i>	<i>500</i>	<i>500</i>	<i>100</i>
<i>Copper</i>	<i>500</i>	<i>549</i>	<i>110</i>
<i>Iron</i>	<i>200000</i>	<i>201949</i>	<i>101</i>
<i>Magnesium</i>	<i>500000</i>	<i>560686</i>	<i>112</i>
<i>Manganese</i>	<i>500</i>	<i>508</i>	<i>102</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1102</i>	<i>110</i>
<i>Nickel</i>	<i>1000</i>	<i>992</i>	<i>99</i>
<i>Potassium</i>		<i>3.55</i>	
<i>Sodium</i>		<i>-324</i>	
<i>Strontium</i>		<i>1.58</i>	
<i>Thallium</i>	<i>100</i>	<i>106</i>	<i>106</i>
<i>Tin</i>	<i>1000</i>	<i>1084</i>	<i>108</i>
<i>Titanium</i>		<i>-6.33</i>	
<i>Vanadium</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Zinc</i>	<i>1000</i>	<i>992</i>	<i>99</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.: 680-88527-3

SDG No.: 68088527-2

Lab Sample ID: ICSA 680-271075/7

Instrument ID: ICPE

Lab File ID: E03272013.csv

ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Lead		3.44	
Aluminum	500000	542309	108
Antimony		7.35	
Arsenic		-1.92	
Barium		2.33	
Beryllium		-0.160	
Boron		-25.4	
Cadmium		0.0053	
Calcium	500000	505107	101
Chromium		0.584	
Cobalt		0.137	
Copper		0.364	
Iron	200000	201141	101
Magnesium	500000	555414	111
Manganese		0.642	
Molybdenum		0.851	
Nickel		2.64	
Potassium		3.96	
Selenium		-9.88	
Silver		-0.456	
Sodium		-392	
Strontium		1.78	
Thallium		0.501	
Tin		-1.56	
Titanium		0.120	
Vanadium		-3.25	
Zinc		18.9	

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.: 680-88527-3

SDG No.: 68088527-2

Lab Sample ID: ICSAB 680-271075/8

Instrument ID: ICPE

Lab File ID: E03272013.csv

ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Lead	50.0	43.8	88
Aluminum	500000	522831	105
Antimony	600	623	104
Arsenic	100	111	111
Barium	500	510	102
Beryllium	500	493	99
Boron		-36.0	
Cadmium	1000	970	97
Calcium	500000	484615	97
Chromium	500	495	99
Cobalt	500	485	97
Copper	500	540	108
Iron	200000	194360	97
Magnesium	500000	540250	108
Manganese	500	490	98
Molybdenum	1000	1062	106
Nickel	1000	949	95
Potassium		3.29	
Selenium	50.0	45.3	91
Silver	200	223	111
Sodium		-297	
Strontium		2.57	
Thallium	100	101	101
Tin	1000	1040	104
Titanium		-6.26	
Vanadium	500	494	99
Zinc	1000	953	95

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1318B-CS MS

Lab ID: 680-88527-5 MS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 64.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	44.2	33	15.6	75	75-125		6010C
Barium	304	320	15.6	-131	75-125	4	6010C
Cadmium	9.73	2.4	7.79	94	75-125		6010C
Chromium	69.5	62	15.6	47	75-125	F	6010C
Lead	272	300	7.79	-353	75-125	4	6010C
Selenium	14.5	3.9 U	15.6	93	75-125		6010C
Silver	2.23	1.5 U	7.79	29	75-125	F	6010C
Mercury	0.359	0.24	0.144	85	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: CV1318B-CS-sieve MS Lab ID: 680-88527-35 MS
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 80.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.283	0.19	0.111	88	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: 680-88440-C-10-B MS
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	103	20 U	100	103	75-125		200.7 Rev 4.4
Barium	103	10 U	100	103	75-125		200.7 Rev 4.4
Cadmium	50.2	5.0 U	50.0	100	75-125		200.7 Rev 4.4
Chromium	98.5	10 U	100	99	75-125		200.7 Rev 4.4
Lead	48.2	10 U	50.0	96	75-125		200.7 Rev 4.4
Selenium	99.0	20 U	100	99	75-125		200.7 Rev 4.4
Silver	9.15 J	10 U	50.0	18	75-125	F	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: 680-88562-D-1-D MS
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.976	0.20 U	1.00	98	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: CV1318B-CS MSD Lab ID: 680-88527-5 MSD
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 64.2

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	48.5	15.4	104	75-125	9	20		6010C
Barium	284	15.4	-262	75-125	7	20	4	6010C
Cadmium	9.40	7.71	91	75-125	3	20		6010C
Chromium	90.2	15.4	182	75-125	26	20	4 F	6010C
Lead	232	7.71	-868	75-125	16	20	4	6010C
Selenium	15.4	15.4	100	75-125	6	20		6010C
Silver	1.99	7.71	26	75-125	11	20	F	6010C
Mercury	0.339	0.139	73	80-120	6	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: CV1318B-CS-sieve MSD Lab ID: 680-88527-35 MSD
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 80.2

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.286	0.111	91	80-120	1	20		7471B

SDR = Sample Duplicate Result

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

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: _____ Lab ID: 680-88440-C-10-C MSD
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	102	100	102	75-125	1	20		200.7 Rev 4.4
Barium	103	100	103	75-125	0	20		200.7 Rev 4.4
Cadmium	50.3	50.0	101	75-125	0	20		200.7 Rev 4.4
Chromium	98.1	100	98	75-125	0	20		200.7 Rev 4.4
Lead	49.2	50.0	98	75-125	2	20		200.7 Rev 4.4
Selenium	108	100	108	75-125	9	20		200.7 Rev 4.4
Silver	8.72 J	50.0	17	75-125	5	20	F	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: 680-88562-D-1-E MSD
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.927	1.00	93	70-130	5	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: CV1318B-CS PDS

Lab ID: 680-88527-5 PDS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	408	33	309	122	75-125		6010C
Barium	661	320	309	109	75-125		6010C
Cadmium	10.7	2.4	7.71	107	75-125		6010C
Chromium	93.5	62	30.9	101	75-125		6010C
Lead	375	300	77.1	99	75-125		6010C
Selenium	351	3.9	309	114	75-125		6010C
Silver	8.71	1.5	7.71	113	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: 680-88440-C-10-A PDS
 Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	2280	20 U	2000	114	75-125		200.7 Rev 4.4
Barium	2210	10 U	2000	111	75-125		200.7 Rev 4.4
Cadmium	52.9	5.0 U	50.0	106	75-125		200.7 Rev 4.4
Chromium	208	10 U	200	104	75-125		200.7 Rev 4.4
Lead	531	10 U	500	106	75-125		200.7 Rev 4.4
Selenium	2130	20 U	2000	107	75-125		200.7 Rev 4.4
Silver	54.8	10 U	50.0	110	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 680-270488/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

Sample Matrix: Water

LCS Source: MS Cal Stk_00019

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	205		102	85	115		200.7 Rev 4.4
Barium	200	195		97	85	115		200.7 Rev 4.4
Cadmium	200	191		95	85	115		200.7 Rev 4.4
Chromium	200	189		94	85	115		200.7 Rev 4.4
Lead	200	193		97	85	115		200.7 Rev 4.4
Selenium	200	195		97	85	115		200.7 Rev 4.4
Silver	200	206		103	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 680-270365/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.8	21.4		108	75	125		6010C
Barium	19.8	20.2		102	75	125		6010C
Cadmium	19.8	19.5		99	75	125		6010C
Chromium	19.8	19.5		98	75	125		6010C
Lead	19.8	19.6		99	75	125		6010C
Selenium	19.8	20.6		104	75	125		6010C
Silver	19.8	21.3		108	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 680-270865/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

Sample Matrix: Water

LCS Source: Hg_Int_Cal_00090

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.50	2.49		100	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 680-270241/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00090

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.245	0.243		99	80 120		7471B

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 680-270664/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00090

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.231	0.235		102	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: 680-88527-5

SDG No: 68088527-2

Lab Name: TestAmerica Savannah

Job No: 680-88527-3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	33	29.1	NC		6010C
Barium	320	308	5.1		6010C
Cadmium	2.4	2.15 J	NC		6010C
Chromium	62	59.5	4.4		6010C
Lead	300	289	3.4		6010C
Selenium	3.9 U	19 U	NC		6010C
Silver	1.5 U	7.7 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: 680-88440-C-10-A SD ^5

SDG No: 68088527-2

Lab Name: TestAmerica Savannah

Job No: 680-88527-3

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	Method
		C		C			
Arsenic	20	U	100	U	NC		200.7 Rev 4.4
Barium	10	U	50	U	NC		200.7 Rev 4.4
Cadmium	5.0	U	25	U	NC		200.7 Rev 4.4
Chromium	10	U	50	U	NC		200.7 Rev 4.4
Lead	10	U	50	U	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: 680-88527-3

SDG Number: 68088527-2

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: 680-88527-3

SDG Number: 68088527-2

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: 680-88527-3

SDG Number: 68088527-2

Matrix: Solid

Instrument ID: ICPE

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: 680-88527-3

SDG Number: 68088527-2

Matrix: Solid

Instrument ID: ICPE

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: 680-88527-3

SDG Number: 68088527-2

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: 680-88527-3
SDG Number: 68088527-2
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: 680-88527-3

SDG Number: 68088527-2

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: 680-88527-3
SDG Number: 68088527-2
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: 680-88527-3

SDG No.: 68088527-2

ICP-AES Instrument ID: ICPE Date: 03/26/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215														
Antimony	206.834		0.000012								0.003985		0.000013		
Arsenic	188.980										-0.000784				
Barium	389.178							-0.000007					0.000040		0.000152
Beryllium	313.042				0.000002										
Boron	249.678												-0.000069		
Cadmium	226.502		0.000004					0.000002					0.000084		
Calcium	370.602									0.004000			-0.085534		
Chromium	267.716								-0.000136				0.000007		
Cobalt	228.615												0.000005		
Copper	324.754														
Iron	271.441							0.000014		0.066798	0.001044				
Lead	220.353		-0.000025							-0.000220			0.000018		
Magnesium	279.078		-0.000063										0.000046		
Manganese	257.610												0.000014		0.000021
Molybdenum	202.032		0.000004										-0.000007		
Nickel	231.604												0.000013		0.000012
Potassium	766.491														
Selenium	196.026												0.000003		
Silver	328.068												-0.000004		
Sodium	330.237												-0.004899		-0.001455
Strontium	216.596							0.000006				-0.000064	0.000185		
Thallium	190.794									0.004268	0.000362		-0.000139		
Tin	189.925												0.000005		
Titanium	334.941									-0.000063	0.000177				
Vanadium	292.401							-0.000005			-0.001980		0.000015		
Zinc	206.200										-0.002886		0.000003		0.000029

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-88527-3

SDG No.: 68088527-2

ICP-AES Instrument ID: ICPE

Date: 03/26/2012

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn
Aluminum	308.215		0.004460										0.020900	
Antimony	206.834		-0.006099						0.000109					
Arsenic	188.980		-0.000415											
Barium	389.178												0.000246	
Beryllium	313.042		-0.000032								0.000017		0.000047	
Boron	249.678													
Cadmium	226.502													
Calcium	370.602	0.010121									0.009919		0.006057	
Chromium	267.716												-0.000148	
Cobalt	228.615		-0.001880						-0.000023		0.001742			
Copper	324.754		0.000357								0.000223		-0.000137	
Iron	271.441		0.001825										0.007233	
Lead	220.353	0.000117	-0.001014								-0.000288		-0.000102	
Magnesium	279.078	-0.005350	0.005872										0.000286	
Manganese	257.610					0.000003								
Molybdenum	202.032												-0.000113	
Nickel	231.604						-0.000067					0.000241		
Potassium	766.491													
Selenium	196.026													
Silver	328.068									-0.000157			0.000028	
Sodium	330.237										-0.045200			-0.318877
Strontium	216.596		-0.001012		-0.004434									
Thallium	190.794	0.001070	-0.002214								0.000698		0.002684	
Tin	189.925													
Titanium	334.941		-0.000052											
Vanadium	292.401	-0.000070	-0.005998								0.000502			
Zinc	206.200													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah

Job No: 680-88527-3

SDG No.: 68088527-2

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.: 680-88527-3

SDG No.: 68088527-2

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-270365/1-A	03/22/2013 14:09	270365	1.03		100
LCS 680-270365/3-A	03/22/2013 14:09	270365	1.01		100
680-88527-5	03/22/2013 14:09	270365	1.01		100
680-88527-5 MS	03/22/2013 14:09	270365	1.00		100
680-88527-5 MSD	03/22/2013 14:09	270365	1.01		100
680-88527-7	03/22/2013 14:09	270365	1.04		100
680-88527-14	03/22/2013 14:09	270365	1.09		100
680-88527-15	03/22/2013 14:09	270365	1.04		100
680-88527-35	03/22/2013 14:09	270365	1.07		100
680-88527-36	03/22/2013 14:09	270365	1.02		100
680-88527-37	03/22/2013 14:09	270365	1.06		100
680-88527-38	03/22/2013 14:09	270365	1.04		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-270488/1-A	03/25/2013 09:29	270488		50	50
LCS 680-270488/3-A	03/25/2013 09:29	270488		50	50
680-88440-C-10-B MS	03/25/2013 09:29	270488		50	50
680-88440-C-10-C MSD	03/25/2013 09:29	270488		50	50
680-88527-34	03/25/2013 09:29	270488		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-270241/1-A	03/21/2013 16:41	270241	0.51		50
LCS 680-270241/2-A	03/21/2013 16:41	270241	0.51		50
680-88527-5	03/21/2013 16:41	270241	0.53		50
680-88527-5 MS	03/21/2013 16:41	270241	0.54		50
680-88527-5 MSD	03/21/2013 16:41	270241	0.56		50
680-88527-7	03/21/2013 16:41	270241	0.50		50
680-88527-14	03/21/2013 16:41	270241	0.56		50
680-88527-15	03/21/2013 16:41	270241	0.59		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-270664/1-A	03/26/2013 10:14	270664	0.54		50
LCS 680-270664/2-A	03/26/2013 10:14	270664	0.54		50
680-88527-35	03/26/2013 10:14	270664	0.55		50
680-88527-35 MS	03/26/2013 10:14	270664	0.56		50
680-88527-35 MSD	03/26/2013 10:14	270664	0.56		50
680-88527-36	03/26/2013 10:14	270664	0.56		50
680-88527-37	03/26/2013 10:14	270664	0.57		50
680-88527-38	03/26/2013 10:14	270664	0.57		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88527-3

SDG No.: 68088527-2

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-270865/1-A	03/27/2013 11:16	270865		50	50
LCS 680-270865/2-A	03/27/2013 11:16	270865		50	50
680-88562-D-1-D MS	03/27/2013 11:16	270865		50	50
680-88562-D-1-E MSD	03/27/2013 11:16	270865		50	50
680-88527-34	03/27/2013 11:16	270865		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/26/2013 14:06 End Date: 03/27/2013 14:33

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			14:06																
ZZZZZZ			14:10																
ZZZZZZ			14:13																
ICV 680-271074/4	1		14:27	X	X	X	X	X	X	X									
ICBIS 680-271074/5	1		14:32	X	X	X	X	X	X	X									
CRI 680-271074/6	1		14:38	X	X	X	X	X	X	X									
ICSA 680-271074/7	1		14:43	X	X	X	X	X	X	X									
ICSAB 680-271074/8	1		14:49	X	X	X	X	X	X	X									
CCV 680-271074/9			14:54																
CCB 680-271074/10			14:59																
ZZZZZZ			15:05																
ZZZZZZ			15:10																
ZZZZZZ			15:16																
ZZZZZZ			15:21																
ZZZZZZ			15:26																
ZZZZZZ			15:32																
ZZZZZZ			15:37																
ZZZZZZ			15:43																
ZZZZZZ			15:48																
ZZZZZZ			15:54																
CCV 680-271074/21			15:59																
CCB 680-271074/22			16:04																
ZZZZZZ			16:10																
ZZZZZZ			16:15																
ZZZZZZ			16:21																
ZZZZZZ			16:26																
ZZZZZZ			16:32																
ZZZZZZ			16:37																
ZZZZZZ			16:43																
ZZZZZZ			16:48																
ZZZZZZ			16:53																
ZZZZZZ			16:59																
CCV 680-271074/33			17:04																
CCB 680-271074/34			17:10																
ZZZZZZ			17:15																
ZZZZZZ			17:20																
ZZZZZZ			17:26																
ZZZZZZ			17:31																
ZZZZZZ			17:37																
ZZZZZZ			17:42																
ZZZZZZ			17:48																
ZZZZZZ			17:53																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/26/2013 14:06 End Date: 03/27/2013 14:33

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			17:58																
ZZZZZZ			18:04																
CCV 680-271074/45			18:09																
CCB 680-271074/46			18:15																
ZZZZZZ			18:20																
ZZZZZZ			18:25																
ZZZZZZ			18:32																
ZZZZZZ			18:37																
ZZZZZZ			18:43																
ZZZZZZ			18:48																
ZZZZZZ			18:54																
ZZZZZZ			18:59																
ZZZZZZ			19:04																
ZZZZZZ			19:10																
CCV 680-271074/57			19:15																
CCB 680-271074/58			19:21																
ZZZZZZ			19:26																
ZZZZZZ			19:31																
ZZZZZZ			19:37																
ZZZZZZ			19:42																
ZZZZZZ			19:48																
ZZZZZZ			19:53																
ZZZZZZ			19:59																
ZZZZZZ			20:04																
ZZZZZZ			20:10																
ZZZZZZ			20:15																
CCV 680-271074/69			20:20																
CCB 680-271074/70			20:26																
ZZZZZZ			20:31																
ZZZZZZ			20:37																
ZZZZZZ			20:42																
ZZZZZZ			20:48																
ZZZZZZ			20:53																
ZZZZZZ			20:58																
ZZZZZZ			21:04																
ZZZZZZ			21:09																
ZZZZZZ			21:15																
ZZZZZZ			21:20																
CCV 680-271074/81			21:26																
CCB 680-271074/82			21:31																
ZZZZZZ			21:36																
ZZZZZZ			21:42																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/26/2013 14:06 End Date: 03/27/2013 10:59

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			21:47																
ZZZZZZ			21:53																
ZZZZZZ			21:58																
ZZZZZZ			22:04																
ZZZZZZ			22:09																
ZZZZZZ			22:15																
ZZZZZZ			22:20																
ZZZZZZ			22:25																
CCV 680-270869/93	1		22:31	X	X	X	X	X	X	X									
CCB 680-270869/94	1		22:36	X	X	X	X	X	X	X									
ZZZZZZ			22:42																
MB 680-270365/1-A	1	T	22:47	X	X	X	X	X	X	X									
ZZZZZZ			22:53																
LCS 680-270365/3-A	1	T	22:58	X	X	X	X	X	X	X									
ZZZZZZ			23:03																
ZZZZZZ			23:09																
ZZZZZZ			23:14																
ZZZZZZ			23:20																
CCV 680-270869/103	1		23:25	X	X	X	X	X	X	X									
CCB 680-270869/104	1		23:31	X	X	X	X	X	X	X									
ZZZZZZ			23:36																
ZZZZZZ			23:41																
ZZZZZZ			23:47																
ZZZZZZ			23:52																
ZZZZZZ			23:58																
ZZZZZZ			00:03																
ZZZZZZ			00:09																
680-88527-5	1	T	00:14	X	X	X	X	X	X	X									
680-88527-5 SD	5	T	00:19	X	X	X	X	X	X	X									
680-88527-5 PDS	1	T	00:25	X	X	X	X	X	X	X									
CCV 680-270869/115	1		00:30	X	X	X	X	X	X	X									
CCB 680-270869/116	1		00:36	X	X	X	X	X	X	X									
680-88527-5 MS	1	T	00:41	X	X	X	X	X	X	X									
680-88527-5 MSD	1	T	00:47	X	X	X	X	X	X	X									
680-88527-7	1	T	00:52	X	X	X	X	X											
680-88527-14	1	T	00:57	X	X	X	X	X	X	X									
680-88527-15	1	T	01:03	X	X	X	X	X	X	X									
680-88527-35	1	T	01:08	X	X	X	X	X	X	X									
680-88527-36	1	T	01:14	X	X	X	X	X	X	X									
680-88527-37	1	T	01:19	X	X	X	X	X	X	X									
680-88527-38	1	T	01:25	X	X	X	X	X	X	X									
CCV 680-270869/126	1		01:30	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/26/2013 14:06 End Date: 03/27/2013 10:59

Lab Sample ID	D / F	Type	Time	Analytes																					
				A g	A s	B a	C d	C r	P b	S e															
CCB 680-270869/127	1		01:35	X	X	X	X	X	X	X															
ZZZZZZ			01:41																						
ZZZZZZ			01:47																						
ZZZZZZ			01:52																						
ZZZZZZ			01:57																						
ZZZZZZ			02:03																						
ZZZZZZ			02:08																						
ZZZZZZ			02:14																						
ZZZZZZ			02:19																						
ZZZZZZ			02:25																						
ZZZZZZ			02:30																						
CCV 680-270869/138			02:35																						
CCB 680-270869/139			02:41																						
ZZZZZZ			02:46																						
ZZZZZZ			02:52																						
ZZZZZZ			02:57																						
ZZZZZZ			03:03																						
ZZZZZZ			03:08																						
ZZZZZZ			03:14																						
ZZZZZZ			03:19																						
ZZZZZZ			03:25																						
ZZZZZZ			03:30																						
ZZZZZZ			03:35																						
CCV 680-270869/150			03:41																						
CCB 680-270869/151			03:46																						
ZZZZZZ			03:52																						
ZZZZZZ			03:57																						
ZZZZZZ			04:03																						
ZZZZZZ			04:08																						
ZZZZZZ			04:14																						
ZZZZZZ			04:19																						
ZZZZZZ			04:24																						
ZZZZZZ			04:30																						
ZZZZZZ			04:35																						
ZZZZZZ			04:41																						
CCV 680-270869/162			04:46																						
CCB 680-270869/163			04:52																						
ZZZZZZ			04:58																						
ZZZZZZ			05:03																						
ZZZZZZ			05:08																						
ZZZZZZ			05:14																						
ZZZZZZ			05:19																						

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/26/2013 14:06 End Date: 03/27/2013 10:59

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			05:25																
ZZZZZZ			05:30																
ZZZZZZ			05:36																
ZZZZZZ			05:41																
ZZZZZZ			05:47																
CCV 680-270869/174			05:52																
CCB 680-270869/175			05:57																
ZZZZZZ			06:03																
ZZZZZZ			06:08																
ZZZZZZ			06:14																
ZZZZZZ			06:19																
ZZZZZZ			06:25																
ZZZZZZ			06:30																
ZZZZZZ			06:36																
ZZZZZZ			06:41																
ZZZZZZ			06:47																
ZZZZZZ			06:52																
CCV 680-270869/186			06:57																
CCB 680-270869/187			07:03																
ZZZZZZ			07:08																
ZZZZZZ			07:14																
ZZZZZZ			07:19																
ZZZZZZ			07:25																
ZZZZZZ			07:30																
ZZZZZZ			07:36																
ZZZZZZ			07:41																
ZZZZZZ			07:47																
ZZZZZZ			07:52																
ZZZZZZ			07:58																
CCV 680-270869/198			08:03																
CCB 680-270869/199			08:09																
ZZZZZZ			08:14																
ZZZZZZ			08:20																
ZZZZZZ			08:25																
ZZZZZZ			08:31																
ZZZZZZ			08:36																
ZZZZZZ			08:42																
ZZZZZZ			08:47																
ZZZZZZ			08:53																
ZZZZZZ			08:58																
ZZZZZZ			09:04																
CCV 680-270869/210			09:09																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/26/2013 14:06 End Date: 03/27/2013 10:59

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																		
CCB 680-270869/211			09:15																									
ZZZZZZ			09:20																									
ZZZZZZ			09:26																									
ZZZZZZ			09:31																									
ZZZZZZ			09:37																									
ZZZZZZ			09:43																									
ZZZZZZ			09:48																									
ZZZZZZ			09:53																									
ZZZZZZ			09:59																									
ZZZZZZ			10:04																									
ZZZZZZ			10:10																									
CCV 680-270869/222			10:15																									
CCB 680-270869/223			10:21																									
ZZZZZZ			10:26																									
ZZZZZZ			10:32																									
ZZZZZZ			10:37																									
ZZZZZZ			10:43																									
CRI 680-270869/228			10:48																									
CCV 680-270869/229			10:54																									
CCB 680-270869/230			10:59																									

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/27/2013 15:18 End Date: 03/28/2013 13:34

Lab Sample ID	D / F	Type	Time	Analytes															
				P	b														
ZZZZZZ			15:18																
ZZZZZZ			15:23																
ZZZZZZ			15:28																
ICV 680-271075/4	1		15:37	X															
ICBIS 680-271075/5	1		15:43	X															
CRI 680-271075/6	1		15:48	X															
ICSA 680-271075/7	1		15:53	X															
ICSAB 680-271075/8	1		15:59	X															
CCV 680-271075/9			16:12																
CCB 680-271075/10			16:17																
ZZZZZZ			16:23																
ZZZZZZ			16:28																
ZZZZZZ			16:33																
ZZZZZZ			16:39																
ZZZZZZ			16:44																
ZZZZZZ			16:50																
ZZZZZZ			16:55																
ZZZZZZ			17:01																
ZZZZZZ			17:06																
ZZZZZZ			17:12																
CCV 680-271075/21			17:17																
CCB 680-271075/22			17:23																
ZZZZZZ			17:28																
ZZZZZZ			17:33																
ZZZZZZ			17:39																
ZZZZZZ			17:44																
ZZZZZZ			17:50																
ZZZZZZ			17:56																
ZZZZZZ			18:01																
ZZZZZZ			18:07																
ZZZZZZ			18:12																
ZZZZZZ			18:18																
CCV 680-271075/33			18:23																
CCB 680-271075/34			18:29																
ZZZZZZ			18:34																
ZZZZZZ			18:39																
ZZZZZZ			18:45																
ZZZZZZ			18:50																
ZZZZZZ			18:56																
ZZZZZZ			19:01																
ZZZZZZ			19:06																
ZZZZZZ			19:12																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/27/2013 15:18 End Date: 03/28/2013 13:34

Lab Sample ID	D / F	T y p e	Time	Analytes															
				P	b														
ZZZZZZ			19:17																
ZZZZZZ			19:23																
CCV 680-271075/45			19:28																
CCB 680-271075/46			19:34																
ZZZZZZ			19:39																
ZZZZZZ			19:45																
ZZZZZZ			19:50																
ZZZZZZ			19:55																
ZZZZZZ			20:01																
ZZZZZZ			20:06																
ZZZZZZ			20:12																
ZZZZZZ			20:17																
ZZZZZZ			20:22																
ZZZZZZ			20:28																
CCV 680-271075/57			20:33																
CCB 680-271075/58			20:39																
ZZZZZZ			20:44																
ZZZZZZ			20:50																
ZZZZZZ			20:55																
ZZZZZZ			21:00																
ZZZZZZ			21:06																
ZZZZZZ			21:11																
ZZZZZZ			21:17																
ZZZZZZ			21:22																
ZZZZZZ			21:27																
ZZZZZZ			21:33																
CCV 680-271075/69			21:38																
CCB 680-271075/70			21:44																
ZZZZZZ			21:49																
ZZZZZZ			21:55																
ZZZZZZ			22:00																
ZZZZZZ			22:06																
ZZZZZZ			22:11																
ZZZZZZ			22:16																
ZZZZZZ			22:22																
ZZZZZZ			22:27																
ZZZZZZ			22:33																
ZZZZZZ			22:38																
CCV 680-271075/81			22:44																
CCB 680-271075/82			22:49																
ZZZZZZ			22:54																
ZZZZZZ			23:00																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/27/2013 15:18 End Date: 03/28/2013 13:34

Lab Sample ID	D / F	Type	Time	Analytes															
				P	b														
ZZZZZZ			23:05																
ZZZZZZ			23:11																
ZZZZZZ			23:16																
ZZZZZZ			23:22																
ZZZZZZ			23:27																
ZZZZZZ			23:33																
ZZZZZZ			23:38																
ZZZZZZ			23:43																
CCV 680-271075/93			23:49																
CCB 680-271075/94			23:54																
ZZZZZZ			00:00																
ZZZZZZ			00:05																
ZZZZZZ			00:11																
ZZZZZZ			00:16																
ZZZZZZ			00:22																
ZZZZZZ			00:27																
ZZZZZZ			00:33																
ZZZZZZ			00:38																
ZZZZZZ			00:43																
ZZZZZZ			00:49																
CCV 680-271075/105			00:54																
CCB 680-271075/106			01:00																
ZZZZZZ			01:05																
ZZZZZZ			01:11																
ZZZZZZ			01:16																
ZZZZZZ			01:22																
ZZZZZZ			01:27																
ZZZZZZ			01:32																
ZZZZZZ			01:38																
ZZZZZZ			01:43																
ZZZZZZ			01:49																
ZZZZZZ			01:54																
CCV 680-271075/117			02:00																
CCB 680-271075/118			02:05																
ZZZZZZ			02:10																
ZZZZZZ			02:16																
ZZZZZZ			02:21																
ZZZZZZ			02:27																
ZZZZZZ			02:32																
ZZZZZZ			02:38																
ZZZZZZ			02:43																
ZZZZZZ			02:48																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/27/2013 15:18 End Date: 03/28/2013 13:34

Lab Sample ID	D / F	T y p e	Time	Analytes															
				P	b														
ZZZZZZ			02:54																
ZZZZZZ			02:59																
CCV 680-271075/129			03:05																
CCB 680-271075/130			03:10																
ZZZZZZ			03:16																
ZZZZZZ			03:21																
ZZZZZZ			03:27																
ZZZZZZ			03:32																
ZZZZZZ			03:38																
ZZZZZZ			03:43																
ZZZZZZ			03:48																
ZZZZZZ			03:54																
ZZZZZZ			03:59																
ZZZZZZ			04:05																
CCV 680-271075/141	1		04:10	X															
CCB 680-271075/142	1		04:16	X															
680-88527-7	10	T	04:21	X															
ZZZZZZ			04:27																
ZZZZZZ			04:32																
ZZZZZZ			04:37																
ZZZZZZ			04:43																
ZZZZZZ			04:48																
ZZZZZZ			04:54																
ZZZZZZ			04:59																
ZZZZZZ			05:05																
ZZZZZZ			05:10																
CCV 680-271075/153	1		05:16	X															
CCB 680-271075/154	1		05:21	X															
ZZZZZZ			05:26																
ZZZZZZ			05:32																
ZZZZZZ			05:37																
ZZZZZZ			05:43																
ZZZZZZ			05:48																
ZZZZZZ			05:54																
ZZZZZZ			05:59																
ZZZZZZ			06:05																
ZZZZZZ			06:10																
ZZZZZZ			06:15																
CCV 680-271075/165			06:21																
CCB 680-271075/166			06:26																
ZZZZZZ			06:32																
ZZZZZZ			06:37																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/27/2013 15:18 End Date: 03/28/2013 13:34

Lab Sample ID	D / F	Type	Time	Analytes															
				P	b														
ZZZZZZ			06:43																
ZZZZZZ			06:48																
ZZZZZZ			06:54																
ZZZZZZ			06:59																
ZZZZZZ			07:04																
ZZZZZZ			07:10																
ZZZZZZ			07:15																
ZZZZZZ			07:21																
CCV 680-271075/177			07:26																
CCB 680-271075/178			07:32																
ZZZZZZ			07:37																
ZZZZZZ			07:43																
ZZZZZZ			07:48																
ZZZZZZ			07:54																
ZZZZZZ			07:59																
ZZZZZZ			08:05																
ZZZZZZ			08:10																
ZZZZZZ			08:16																
ZZZZZZ			08:21																
ZZZZZZ			08:26																
CCV 680-271075/189			08:32																
CCB 680-271075/190			08:37																
ZZZZZZ			08:43																
ZZZZZZ			08:48																
ZZZZZZ			08:54																
ZZZZZZ			08:59																
ZZZZZZ			09:05																
ZZZZZZ			09:11																
ZZZZZZ			09:16																
ZZZZZZ			09:21																
ZZZZZZ			09:27																
ZZZZZZ			09:32																
CCV 680-271075/201			09:38																
CCB 680-271075/202			09:43																
ZZZZZZ			09:49																
ZZZZZZ			09:54																
ZZZZZZ			10:00																
ZZZZZZ			10:05																
ZZZZZZ			10:11																
ZZZZZZ			10:16																
ZZZZZZ			10:22																
ZZZZZZ			10:27																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: ICPE Method: 6010C

Start Date: 03/27/2013 15:18 End Date: 03/28/2013 13:34

Lab Sample ID	D / F	Type	Time	Analytes															
				P	b														
ZZZZZZ			10:33																
ZZZZZZ			10:38																
CCV 680-271075/213			10:43																
CCB 680-271075/214			10:49																
ZZZZZZ			10:54																
ZZZZZZ			11:00																
ZZZZZZ			11:05																
ZZZZZZ			11:11																
ZZZZZZ			11:16																
ZZZZZZ			11:22																
ZZZZZZ			11:27																
ZZZZZZ			11:33																
ZZZZZZ			11:38																
ZZZZZZ			11:44																
CCV 680-271075/225			11:49																
CCB 680-271075/226			11:55																
ZZZZZZ			12:00																
ZZZZZZ			12:06																
ZZZZZZ			12:11																
ZZZZZZ			12:17																
ZZZZZZ			12:22																
ZZZZZZ			12:28																
ZZZZZZ			12:33																
ZZZZZZ			12:39																
ZZZZZZ			12:44																
ZZZZZZ			12:50																
CCV 680-271075/237			12:55																
CCB 680-271075/238			13:00																
ZZZZZZ			13:06																
ZZZZZZ			13:12																
ZZZZZZ			13:17																
CRI 680-271075/242			13:23																
CCV 680-271075/243			13:28																
CCB 680-271075/244			13:34																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Instrument ID: LEEMAN2 Method: 245.1
 Start Date: 03/28/2013 10:00 End Date: 03/28/2013 14:26

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 680-270865/13-A			10:00	X															
IC 680-270865/14-A			10:02	X															
IC 680-270865/15-A			10:05	X															
IC 680-270865/16-A			10:07	X															
IC 680-270865/17-A			10:10	X															
IC 680-270865/18-A			10:12	X															
ICV 680-270865/23-A	1		10:14	X															
ICB 680-270865/24-A	1		10:17	X															
CRA 680-270865/25-A	1		10:19	X															
CCV 680-270865/20-A			10:22																
CCB 680-270865/21-A			10:24																
ZZZZZZ			10:27																
ZZZZZZ			10:29																
ZZZZZZ			10:31																
ZZZZZZ			10:34																
ZZZZZZ			10:36																
ZZZZZZ			10:39																
ZZZZZZ			10:41																
ZZZZZZ			10:44																
ZZZZZZ			10:46																
ZZZZZZ			10:49																
CCV 680-270865/20-A			10:51																
CCB 680-270865/21-A			10:53																
ZZZZZZ			10:56																
ZZZZZZ			10:58																
ZZZZZZ			11:01																
CCV 680-270865/20-A	1		11:03	X															
CCB 680-270865/21-A	1		11:05	X															
MB 680-270865/1-A	1	T	11:08	X															
LCS 680-270865/2-A	1	T	11:10	X															
ZZZZZZ			11:12																
ZZZZZZ			11:15																
680-88562-D-1-D MS	1	T	11:17	X															
680-88562-D-1-E MSD	1	T	11:20	X															
ZZZZZZ			11:22																
680-88527-34	1	T	11:25	X															
ZZZZZZ			11:27																
ZZZZZZ			11:30																
CCV 680-270865/20-A	1		11:32	X															
CCB 680-270865/21-A	1		11:35	X															
ZZZZZZ			11:37																
ZZZZZZ			11:39																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 03/28/2013 10:00 End Date: 03/28/2013 14:26

Lab Sample ID	D / F	T y p e	Time	Analytes													
				H g													
ZZZZZZ			11:42														
ZZZZZZ			11:44														
ZZZZZZ			11:47														
ZZZZZZ			11:49														
ZZZZZZ			11:52														
ZZZZZZ			11:54														
ZZZZZZ			11:57														
ZZZZZZ			11:59														
CCV 680-270865/20-A			12:01														
CCB 680-270865/21-A			12:04														
ZZZZZZ			12:06														
ZZZZZZ			12:09														
ZZZZZZ			12:11														
ZZZZZZ			12:14														
ZZZZZZ			12:16														
ZZZZZZ			12:19														
ZZZZZZ			12:21														
ZZZZZZ			12:24														
ZZZZZZ			12:26														
ZZZZZZ			12:28														
CCV 680-270865/20-A			12:31														
CCB 680-270865/21-A			12:33														
ZZZZZZ			12:36														
ZZZZZZ			12:38														
ZZZZZZ			12:41														
ZZZZZZ			12:43														
ZZZZZZ			12:46														
ZZZZZZ			12:48														
ZZZZZZ			12:51														
ZZZZZZ			12:53														
ZZZZZZ			12:55														
ZZZZZZ			12:58														
CCV 680-270865/20-A			13:00														
CCB 680-270865/21-A			13:03														
ZZZZZZ			13:05														
ZZZZZZ			13:08														
ZZZZZZ			13:10														
ZZZZZZ			13:13														
ZZZZZZ			13:15														
ZZZZZZ			13:17														
ZZZZZZ			13:20														
ZZZZZZ			13:22														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 03/28/2013 10:00 End Date: 03/28/2013 14:26

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H g																
ZZZZZZ			13:25																	
ZZZZZZ			13:27																	
CCV 680-270865/20-A			13:30																	
CCB 680-270865/21-A			13:32																	
ZZZZZZ			13:35																	
ZZZZZZ			13:37																	
ZZZZZZ			13:40																	
ZZZZZZ			13:42																	
ZZZZZZ			13:44																	
ZZZZZZ			13:47																	
ZZZZZZ			13:49																	
ZZZZZZ			13:52																	
ZZZZZZ			13:54																	
ZZZZZZ			13:57																	
CCV 680-270865/20-A			13:59																	
CCB 680-270865/21-A			14:02																	
ZZZZZZ			14:04																	
ZZZZZZ			14:07																	
ZZZZZZ			14:09																	
ZZZZZZ			14:11																	
ZZZZZZ			14:14																	
ZZZZZZ			14:16																	
ZZZZZZ			14:19																	
ZZZZZZ			14:21																	
CCV 680-270865/20-A			14:24																	
CCB 680-270865/21-A			14:26																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/22/2013 11:07 End Date: 03/22/2013 13:18

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 680-270110/24-A			11:07	X															
IC 680-270110/25-A			11:09	X															
IC 680-270110/26-A			11:12	X															
IC 680-270110/27-A			11:14	X															
IC 680-270110/28-A			11:17	X															
IC 680-270110/29-A			11:19	X															
ICV 680-270110/34-A	1		11:22	X															
ICB 680-270110/35-A	1		11:24	X															
CRA 680-270110/36-A	1		11:27	X															
CCV 680-270110/31-A			11:29																
CCB 680-270110/32-A			11:31																
CCV 680-270110/31-A			11:34																
CCB 680-270110/32-A			11:36																
CCV 680-270110/31-A	1		11:59	X															
CCB 680-270110/32-A	1		12:02	X															
MB 680-270241/1-A	1	T	12:04	X															
LCS 680-270241/2-A	1	T	12:07	X															
680-88527-5	1	T	12:09	X															
680-88527-5 MS	1	T	12:11	X															
680-88527-5 MSD	1	T	12:14	X															
680-88527-7	1	T	12:16	X															
680-88527-14	1	T	12:19	X															
680-88527-15	1	T	12:21	X															
ZZZZZZ			12:24																
ZZZZZZ			12:26																
CCV 680-270110/31-A	1		12:29	X															
CCB 680-270110/32-A	1		12:31	X															
ZZZZZZ			12:33																
ZZZZZZ			12:36																
ZZZZZZ			12:38																
ZZZZZZ			12:41																
ZZZZZZ			12:43																
ZZZZZZ			12:46																
ZZZZZZ			12:48																
ZZZZZZ			12:51																
ZZZZZZ			12:53																
ZZZZZZ			12:55																
CCV 680-270110/31-A			12:58																
CCB 680-270110/32-A			13:00																
ZZZZZZ			13:03																
ZZZZZZ			13:05																
ZZZZZZ			13:08																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/22/2013 11:07 End Date: 03/22/2013 13:18

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H g																
ZZZZZZ			13:10																	
ZZZZZZ			13:13																	
CCV 680-270110/31-A			13:15																	
CCB 680-270110/32-A			13:18																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3
 SDG No.: 68088527-2
 Instrument ID: LEEMAN2 Method: 7471B
 Start Date: 03/27/2013 13:14 End Date: 03/28/2013 09:25

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 680-270664/22-A			13:14	X																	
IC 680-270664/23-A			13:17	X																	
IC 680-270664/24-A			13:19	X																	
IC 680-270664/25-A			13:22	X																	
IC 680-270664/26-A			13:24	X																	
IC 680-270664/27-A			13:27	X																	
ICV 680-270664/32-A	1		13:29	X																	
ICB 680-270664/33-A	1		13:31	X																	
CRA 680-270664/34-A	1		13:34	X																	
CCV 680-270664/29-A	1		13:36	X																	
CCB 680-270664/30-A	1		13:39	X																	
ZZZZZZ			13:41																		
MB 680-270664/1-A	1	T	13:44	X																	
LCS 680-270664/2-A	1	T	13:46	X																	
680-88527-35	1	T	13:49	X																	
680-88527-35 MS	1	T	13:51	X																	
680-88527-35 MSD	1	T	13:53	X																	
680-88527-36	1	T	13:56	X																	
680-88527-37	1	T	13:58	X																	
680-88527-38	1	T	14:01	X																	
ZZZZZZ			14:03																		
CCV 680-270664/29-A	1		14:06	X																	
CCB 680-270664/30-A	1		14:08	X																	
ZZZZZZ			14:11																		
ZZZZZZ			14:13																		
ZZZZZZ			14:15																		
ZZZZZZ			14:18																		
ZZZZZZ			14:20																		
ZZZZZZ			14:23																		
ZZZZZZ			14:25																		
ZZZZZZ			14:28																		
ZZZZZZ			14:30																		
ZZZZZZ			14:33																		
CCV 680-270664/29-A			14:35																		
CCB 680-270664/30-A			14:37																		
ZZZZZZ			14:40																		
ZZZZZZ			14:42																		
ZZZZZZ			14:45																		
ZZZZZZ			14:47																		
ZZZZZZ			14:50																		
ZZZZZZ			14:52																		
ZZZZZZ			14:55																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/27/2013 13:14 End Date: 03/28/2013 09:25

Lab Sample ID	D / F	T y p e	Time	Analytes																
				H	g															
ZZZZZZ			14:57																	
ZZZZZZ			14:59																	
ZZZZZZ			15:02																	
CCV 680-270664/29-A			15:04																	
CCB 680-270664/30-A			15:07																	
ZZZZZZ			15:09																	
ZZZZZZ			15:12																	
ZZZZZZ			15:14																	
ZZZZZZ			15:17																	
ZZZZZZ			15:19																	
ZZZZZZ			15:22																	
ZZZZZZ			15:24																	
ZZZZZZ			15:26																	
ZZZZZZ			15:29																	
ZZZZZZ			15:31																	
CCV 680-270664/29-A			15:34																	
CCB 680-270664/30-A			15:36																	
ZZZZZZ			15:39																	
ZZZZZZ			15:41																	
ZZZZZZ			15:44																	
ZZZZZZ			15:46																	
ZZZZZZ			15:48																	
ZZZZZZ			15:51																	
ZZZZZZ			15:53																	
ZZZZZZ			15:56																	
ZZZZZZ			15:58																	
ZZZZZZ			16:01																	
CCV 680-270664/29-A			16:03																	
CCB 680-270664/30-A			16:06																	
ZZZZZZ			16:08																	
ZZZZZZ			16:11																	
ZZZZZZ			16:13																	
ZZZZZZ			16:15																	
ZZZZZZ			16:18																	
ZZZZZZ			16:20																	
ZZZZZZ			16:23																	
ZZZZZZ			16:25																	
ZZZZZZ			16:28																	
ZZZZZZ			16:30																	
CCV 680-270664/29-A			16:33																	
CCB 680-270664/30-A			16:35																	
ZZZZZZ			16:37																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/27/2013 13:14 End Date: 03/28/2013 09:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H															
ZZZZZZ			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																
CCV 680-270664/29-A			17:02																
CCB 680-270664/30-A			17:04																
ZZZZZZ			17:07																
CCV 680-270664/29-A			17:09																
CCB 680-270664/30-A			17:12																
CCV 680-270664/29-A			09:05																
CCB 680-270664/30-A			09:08																
ZZZZZZ			09:10																
ZZZZZZ			09:12																
ZZZZZZ			09:15																
ZZZZZZ			09:17																
ZZZZZZ			09:20																
CCV 680-270664/29-A			09:22																
CCB 680-270664/30-A			09:25																

Prep Types
T = Total/NA

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Blank (Blk)	3/26/2013, 2:06:35 PM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	0.0538	-0.3562	0.3024
Al 308.215	-1.1068	-0.1589	1.2657
As 188.980	0.8860	-2.2961	1.4101
B 249.678	-0.5148	0.4740	0.0408
Ba 389.178	-0.7233	0.8652	-0.1420
Be 313.042	-0.0007	0.0027	-0.0021
Ca 370.602	3.561	-6.910	3.349
Cd 226.502	0.1470	-0.1113	-0.0356
Co 228.615	0.3022	0.0340	-0.3363
Cr 267.716	-0.1628	0.0779	0.0849
Cu 324.754	-0.2642	0.4273	-0.1631
Fe 271.441	-0.5191	1.1714	-0.6523
K 766.491	-0.3356	-0.0192	0.3547
Mg 279.078	-1.1689	0.8847	0.2842
Mn 257.610	-0.0194	-0.0138	0.0332
Mo 202.032	-0.7514	1.1175	-0.3661
Na 330.237	-60.7795	14.3091	46.4703
Ni 231.604	0.0492	-0.0870	0.0378
Pb 220.353	1.0947	-1.9132	0.8185
Sb 206.834	-0.0585	-0.6799	0.7384
Se 196.026	-0.1892	-1.1120	1.3012
Sn 189.925	0.2463	0.7283	-0.9746
Sr 216.596	-0.0896	-0.1007	0.1903
Ti 334.941	0.0399	-0.0339	-0.0060
Tl 190.794	0.5673	-4.1013	3.5341
V 292.401	0.0794	0.2035	-0.2829
Zn 206.200	-0.2014	-0.0474	0.2488

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	23.400	35.4	-66.1934
Al 308.215	0.0000	ppb	6.954	2.6	265.406
As 188.980	0.0000	ppb	1.241	303.2	-0.4093
B 249.678	0.0000	ppb	4.679	2.4	195.750
Ba 389.178	0.0000	ppb	19.845	66.1	-30.0205
Be 313.042	0.0000	ppb	4.808	2.3	-210.610
Ca 370.602	0.0000	ppb	19.736	308.7	-6.394
Cd 226.502	0.0000	ppb	4.992	45.0	11.1039
Co 228.615	0.0000	ppb	3.767	31.7	11.8750
Cr 267.716	0.0000	ppb	6.158	232.1	2.6535
Cu 324.754	0.0000	ppb	18.406	16.7	110.270
Fe 271.441	0.0000	ppb	1.729	46.8	3.6974
K 766.491	0.0000	ppb	17.407	8.5	205.814
Mg 279.078	0.0000	ppb	2.200	8.7	25.3371
Mn 257.610	0.0000	ppb	6.655	11.3	58.7376
Mo 202.032	0.0000	ppb	6.549	71.1	9.2107
Na 330.237	0.0000	ppb	2.841	34221.3	-0.0083
Ni 231.604	0.0000	ppb	0.198	8.5	2.3199
Pb 220.353	0.0000	ppb	2.746	78.0	3.5197
Sb 206.834	0.0000	ppb	0.663	45.3	1.4638
Se 196.026	0.0000	ppb	0.599	52.5	-1.1394
Sn 189.925	0.0000	ppb	0.682	51.7	-1.3209
Sr 216.596	0.0000	ppb	1.607	19.1	8.4066
Ti 334.941	0.0000	ppb	9.865	10.7	-91.9098
Tl 190.794	0.0000	ppb	2.644	216.2	-1.2232
V 292.401	0.0000	ppb	7.109	181.0	3.9265
Zn 206.200	0.0000	ppb	0.358	15.2	2.3475

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

HIGH STD (Std)	3/26/2013, 2:10:00 PM		Rack S, Tube 2
Label	Replicates Concentration		
Ag 328.068	995.524	1000.09	1004.39
Al 308.215	10014.5	10013.5	9971.98
As 188.980	1003.46	1007.88	988.654
B 249.678	4965.37	5012.66	5021.97
Ba 389.178	10008.5	10009.4	9982.10
Be 313.042	1000.91	999.973	999.119
Ca 370.602	10018	10004	9979
Cd 226.502	1001.72	1000.63	997.653
Co 228.615	999.154	1002.39	998.460
Cr 267.716	10028.3	9999.93	9971.82
Cu 324.754	9907.18	10011.8	10081.1
Fe 271.441	10017.1	10012.4	9970.54
K 766.491	19978.6	20027.2	19994.2
Mg 279.078	10009.7	10011.4	9978.92
Mn 257.610	10014.8	10018.0	9967.17
Mo 202.032	1001.86	1000.10	998.048
Na 330.237	15146.0	14954.5	14899.5
Ni 231.604	5008.28	5009.15	4982.57
Pb 220.353	1005.10	996.157	998.748
Sb 206.834	5009.36	5005.84	4984.80
Se 196.026	9982.80	10023.2	9994.01
Sn 189.925	10015.7	9981.03	10003.2
Sr 216.596	5020.80	4996.23	4982.96
Ti 334.941	1001.40	1000.31	998.293
Tl 190.794	10022.8	10021.6	9955.56
V 292.401	10002.0	10026.5	9971.45
Zn 206.200	5015.45	4994.98	4989.58

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	311.840	0.4	70292.8
Al 308.215	10000.0	ppb	141.362	0.2	58496.0
As 188.980	1000.00	ppb	6.232	1.0	618.431
B 249.678	5000.00	ppb	286.477	0.6	47394.6
Ba 389.178	10000.0	ppb	382.822	0.2	246885
Be 313.042	1000.00	ppb	1755.524	0.1	1962757
Ca 370.602	10000	ppb	64.533	0.2	32971
Cd 226.502	1000.00	ppb	79.142	0.2	37603.2
Co 228.615	1000.00	ppb	24.611	0.2	11760.8
Cr 267.716	10000.0	ppb	1232.113	0.3	436567
Cu 324.754	10000.0	ppb	4313.250	0.9	492859
Fe 271.441	10000.0	ppb	43.573	0.3	17009.8
K 766.491	20000.0	ppb	1251.241	0.1	1007661
Mg 279.078	10000.0	ppb	38.067	0.2	20858.2
Mn 257.610	10000.0	ppb	6557.687	0.3	2303198
Mo 202.032	1000.00	ppb	12.647	0.2	6645.34
Na 330.237	15000.0	ppb	6.679	0.9	774.175
Ni 231.604	5000.00	ppb	39.489	0.3	13078.9
Pb 220.353	1000.00	ppb	7.595	0.5	1655.01
Sb 206.834	5000.00	ppb	12.390	0.3	4665.75
Se 196.026	10000.0	ppb	10.254	0.2	4915.91
Sn 189.925	10000.0	ppb	13.666	0.2	7771.61
Sr 216.596	5000.00	ppb	187.044	0.4	48718.3
Ti 334.941	1000.00	ppb	417.158	0.2	264648
Tl 190.794	10000.0	ppb	26.441	0.4	6868.09
V 292.401	10000.0	ppb	775.888	0.3	281267
Zn 206.200	5000.00	ppb	21.347	0.3	7822.21

Ag 328.068 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-66.1934	0.0000	0.0000	-	-
HIGH STD		70292.8	1000.00	1000.00	0.0002	0.0

Curve Type: Linear Equation: $y = 70.4 x + -66.2$

Al 308.215 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		265.406	0.0000	0.0000	-	-
HIGH STD		58496.0	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 5.8 x + 265.4$

As 188.980 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.4093	0.0000	0.0000	-	-
HIGH STD		618.431	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.6 x + -0.4$

B 249.678 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		195.750	0.0000	0.0000	-	-
HIGH STD		47394.6	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 9.4 x + 195.8$

Ba 389.178 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-30.0205	0.0000	0.0000	-	-
HIGH STD		246885	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 24.7 x + -30.0$

Be 313.042 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-210.610	0.0000	0.0000	-	-
HIGH STD		1962757	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 1963.0 x + -210.6$

Ca 370.602 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.394	0.0000	0.0000	-	-
HIGH STD		32971	10000	10000	0.0000	0.0

Curve Type: Linear Equation: $y = 3.3 x + -6.4$

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Cd 226.502 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.1039	0.0000	0.0000	-	-
HIGH STD		37603.2	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 37.6 x + 11.1$ **Co 228.615 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.8750	0.0000	0.0000	-	-
HIGH STD		11760.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 11.7 x + 11.9$ **Cr 267.716 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.6535	0.0000	0.0000	-	-
HIGH STD		436567	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 43.7 x + 2.7$ **Cu 324.754 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		110.270	0.0000	0.0000	-	-
HIGH STD		492859	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 49.3 x + 110.3$ **Fe 271.441 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.6974	0.0000	0.0000	-	-
HIGH STD		17009.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.7 x + 3.7$ **K 766.491 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		205.814	0.0000	0.0000	-	-
HIGH STD		1007661	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: $y = 50.4 x + 205.8$ **Mg 279.078 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.3371	0.0000	0.0000	-	-
HIGH STD		20858.2	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.1 x + 25.3$

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Mn 257.610 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		58.7376	0.0000	0.0000	-	-
HIGH STD		2303198	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 230.3 x + 58.7$ **Mo 202.032 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.2107	0.0000	0.0000	-	-
HIGH STD		6645.34	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 6.6 x + 9.2$ **Na 330.237 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.0083	0.0000	0.0000	-	-
HIGH STD		774.175	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.1 x + 0.0$ **Ni 231.604 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3199	0.0000	0.0000	-	-
HIGH STD		13078.9	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 2.6 x + 2.3$ **Pb 220.353 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.5197	0.0000	0.0000	-	-
HIGH STD		1655.01	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.7 x + 3.5$ **Sb 206.834 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4638	0.0000	0.0000	-	-
HIGH STD		4665.75	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: $y = 0.9 x + 1.5$ **Se 196.026 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.1394	0.0000	0.0000	-	-
HIGH STD		4915.91	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + -1.1$

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Sn 189.925 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.3209	0.0000	0.0000	-	-
HIGH STD		7771.61	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.8 x + -1.3$ **Sr 216.596 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.4066	0.0000	0.0000	-	-
HIGH STD		48718.3	5000.00	5000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 9.7 x + 8.4$ **Ti 334.941 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-91.9098	0.0000	0.0000	-	-
HIGH STD		264648	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 264.7 x + -91.9$ **Tl 190.794 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.2232	0.0000	0.0000	-	-
HIGH STD		6868.09	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.7 x + -1.2$ **V 292.401 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.9265	0.0000	0.0000	-	-
HIGH STD		281267	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 28.1 x + 3.9$ **Zn 206.200 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3475	0.0000	0.0000	-	-
HIGH STD		7822.21	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.6 x + 2.3$ **Lab Control Sample (LCS) 3/26/2013, 2:13:24 PM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1005.61	1001.60	1008.77
Al 308.215	10021.1	10038.4	10040.9
As 188.980	1001.78	1011.14	1015.23
B 249.678	5180.86x	5206.73x	5229.95x
Ba 389.178	10014.2	10023.7	10013.4

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Label	Replicates Concentration		
Be 313.042	1002.85	1005.11	1002.74
Ca 370.602	9996	10003	9977
Cd 226.502	1001.74	1002.49	1004.34
Co 228.615	1003.50	1003.22	1005.38
Cr 267.716	10017.7	10002.0	10001.3
Cu 324.754	10063.4	9844.13	9791.09
Fe 271.441	10010.4	9999.38	10028.6
K 766.491	20117.3	20119.2	20129.6
Mg 279.078	9997.11	10004.8	10006.6
Mn 257.610	10013.1	10011.0	10019.4
Mo 202.032	1004.74	1000.55	1001.66
Na 330.237	14252.4	15054.0	14971.3
Ni 231.604	5009.50	5017.66	5017.25
Pb 220.353	997.688	999.445	997.018
Sb 206.834	5011.66x	5035.11x	5027.48x
Se 196.026	10037.8	10038.2	10002.6
Sn 189.925	10050.3	9892.70	9906.66
Sr 216.596	5004.85	4991.60	4992.82
Ti 334.941	1005.17	1002.64	1000.51
Tl 190.794	10011.2	10047.2	10041.8
V 292.401	10028.4	10041.8	10039.3
Zn 206.200	5007.10	5020.19	5018.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1005.33b	ppb	3.5932	0.4	70555.7	100.53274
Al 308.215	10033.5b	ppb	10.7941	0.1	58644.5	100.33476
As 188.980	1009.38b	ppb	6.8985	0.7	623.951	100.93819
B 249.678	5205.85xb	ppb	24.5588	0.5	49328.2	104.11691
Ba 389.178	10017.1b	ppb	5.7216	0.1	247379	100.17108
Be 313.042	1003.57b	ppb	1.3383	0.1	1969217	100.35680
Ca 370.602	9992b	ppb	13.62	0.1	32672	99.91884
Cd 226.502	1002.86b	ppb	1.3342	0.1	37735.5	100.28572
Co 228.615	1004.03b	ppb	1.1767	0.1	11826.1	100.40339
Cr 267.716	10007.0b	ppb	9.2846	0.1	436820	100.07006
Cu 324.754	9899.55b	ppb	144.382	1.5	487841	98.99551
Fe 271.441	10012.8b	ppb	14.7398	0.1	17279.0	100.12794
K 766.491	20122.0b	ppb	6.6225	0.0	1013808	100.61020
Mg 279.078	10002.8b	ppb	5.0313	0.1	20704.4	100.02823
Mn 257.610	10014.5b	ppb	4.3563	0.0	2306615	100.14475
Mo 202.032	1002.32b	ppb	2.1686	0.2	6642.94	100.23164
Na 330.237	14759.2b	ppb	440.892	3.0	713.542	98.39500
Ni 231.604	5014.80b	ppb	4.5955	0.1	13117.9	100.29610
Pb 220.353	998.050b	ppb	1.2536	0.1	1651.56	99.80505
Sb 206.834	5024.75xb	ppb	11.9607	0.2	4777.16	100.49503
Se 196.026	10026.2b	ppb	20.4401	0.2	4931.32	100.26213
Sn 189.925	9949.89b	ppb	87.2518	0.9	7732.67	99.49895
Sr 216.596	4996.42b	ppb	7.3193	0.1	48578.3	99.92849
Ti 334.941	1002.77b	ppb	2.3320	0.2	265425	100.27718
Tl 190.794	10033.4b	ppb	19.4215	0.2	6884.09	100.33384
V 292.401	10036.5b	ppb	7.1121	0.1	281478	100.36523
Zn 206.200	5015.15b	ppb	7.0408	0.1	7815.20	100.30295

Initial Calib Verif (ICV)

3/26/2013, 2:27:16 PM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1030.73x	1004.15	1015.85x
Al 308.215	961.642	955.341	958.213

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Label	Replicates Concentration		
As 188.980	980.603	964.324	994.012
B 249.678	1078.43	1079.44	1089.89
Ba 389.178	1021.69	1015.44	1017.70
Be 313.042	1032.26x	1024.70x	1026.62x
Ca 370.602	999.6	993.4	996.3
Cd 226.502	1019.07x	1011.99x	1017.36x
Co 228.615	990.492	981.374	978.753
Cr 267.716	1008.42	998.875	998.471
Cu 324.754	1024.47	995.799	1006.87
Fe 271.441	1009.69	996.258	1003.72
K 766.491	10052.1	10028.1	10096.3
Mg 279.078	1032.06	1025.66	1030.63
Mn 257.610	1032.80	1027.28	1030.19
Mo 202.032	1022.25x	1014.01x	1011.22x
Na 330.237	9697.17	9943.88	9474.34
Ni 231.604	1029.51	1023.41	1032.90
Pb 220.353	1030.31	1016.33	1024.45
Sb 206.834	1007.08	1002.88	1014.24
Se 196.026	1008.20	995.037	1011.96
Sn 189.925	5153.27	5099.17	5109.18
Sr 216.596	5046.34x	4993.50	4986.85
Ti 334.941	1015.38	1006.41	1002.98
Tl 190.794	1043.07	1030.61	1032.10
V 292.401	1020.02	1014.03	1015.81
Zn 206.200	1005.95	1000.92	1003.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1016.91xb	ppb	13.3181	1.3	71283.0	101.69085
Al 308.215	958.399b	ppb	3.1548	0.3	5963.94	95.83987
As 188.980	979.646b	ppb	14.8669	1.5	605.563	97.96465
B 249.678	1082.59b	ppb	6.3442	0.6	10414.1	108.25877Q
Ba 389.178	1018.27b	ppb	3.1669	0.3	25125.0	101.82745
Be 313.042	1027.86xb	ppb	3.9271	0.4	2017240	102.78587
Ca 370.602	996.4b	ppb	3.110	0.3	3420	99.64128
Cd 226.502	1016.14xb	ppb	3.6931	0.4	38212.6	101.61393
Co 228.615	983.540b	ppb	6.1621	0.6	11559.1	98.35398
Cr 267.716	1001.92b	ppb	5.6294	0.6	43731.4	100.19209
Cu 324.754	1009.04b	ppb	14.4585	1.4	49848.6	100.90441
Fe 271.441	1003.22b	ppb	6.7312	0.7	1871.79	100.32231
K 766.491	10058.8b	ppb	34.6103	0.3	506896	100.58825
Mg 279.078	1029.45b	ppb	3.3591	0.3	2153.57	102.94519
Mn 257.610	1030.09b	ppb	2.7605	0.3	237312	103.00924
Mo 202.032	1015.83xb	ppb	5.7346	0.6	6748.58	101.58266
Na 330.237	9705.13b	ppb	234.870	2.4	485.269	97.05133
Ni 231.604	1028.61b	ppb	4.8060	0.5	2692.48	102.86067
Pb 220.353	1023.70b	ppb	7.0192	0.7	1692.15	102.36954
Sb 206.834	1008.06b	ppb	5.7469	0.6	946.580	100.80638
Se 196.026	1005.06b	ppb	8.8850	0.9	493.315	100.50642
Sn 189.925	5120.54b	ppb	28.7799	0.6	3978.84	102.41080
Sr 216.596	5008.89xb	ppb	32.5985	0.7	48756.5	100.17787
Ti 334.941	1008.26b	ppb	6.4018	0.6	266838	100.82560
Tl 190.794	1035.26b	ppb	6.8027	0.7	709.256	103.52588
V 292.401	1016.62b	ppb	3.0774	0.3	28347.8	101.66207
Zn 206.200	1003.53b	ppb	2.5191	0.3	1568.79	100.35329

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Initial Calib Blank (ICB) 3/26/2013, 2:32:50 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3257	0.2193	-0.0171u
Al 308.215	0.2910	0.4183	1.6636
As 188.980	5.5929	7.5566	0.9945
B 249.678	37.5844	35.0923	32.3028
Ba 389.178	0.5163	0.6312	-0.1522u
Be 313.042	0.0514	0.0513	0.0289
Ca 370.602	-7.661u	0.5433	-3.140u
Cd 226.502	0.0542	0.0319	-0.1693u
Co 228.615	0.0483	0.0612	0.1356
Cr 267.716	-0.1550u	0.0596	-0.0896u
Cu 324.754	-0.3312u	-0.0725u	-0.1969u
Fe 271.441	-1.3882u	0.2229	1.2167
K 766.491	0.6811	0.4996	-0.2834u
Mg 279.078	4.7303	1.1208	-1.5956u
Mn 257.610	0.0441	0.0239	0.0460
Mo 202.032	0.9858	0.5550	0.9255
Na 330.237	30.4481	-3.4592u	-282.391u
Ni 231.604	-1.0658u	-0.2148u	-0.4001u
Pb 220.353	-0.3046u	-2.1054u	-0.4011u
Sb 206.834	4.6118	2.8076	-0.0499u
Se 196.026	-3.3649u	3.7788	0.0742
Sn 189.925	1.5589	0.4397	2.3950
Sr 216.596	0.8956	0.6590	-0.2835u
Ti 334.941	0.4639	0.3490	0.1728
Tl 190.794	2.4297	-1.5030u	3.4583
V 292.401	0.1347	-0.1982u	-0.1712u
Zn 206.200	-0.1821u	-0.3388u	-0.1497u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1760	ppb	0.1754	99.7	-53.8556	0.17596
Al 308.215	0.7910	ppb	0.7584	95.9	270.137	0.79096
As 188.980	4.7147	ppb	3.3680	71.4	2.5081	4.71467
B 249.678	34.9932	ppb	2.6422	7.6	526.083	34.99318
Ba 389.178	0.3317	ppb	0.4230	127.5	-21.8301	0.33173
Be 313.042	0.0439	ppb	0.0130	29.6	-124.626	0.04387
Ca 370.602	-3.420	ppb	4.109	120.2	-17.10	-3.41951
Cd 226.502	-0.0277	ppb	0.1231	443.9	10.0469	-0.02773
Co 228.615	0.0817	ppb	0.0471	57.7	12.8119	0.08170
Cr 267.716	-0.0617	ppb	0.1100	178.4	-0.0388	-0.06167
Cu 324.754	-0.2002	ppb	0.1294	64.6	100.431	-0.20018
Fe 271.441	0.0172	ppb	1.3146	7661.4	3.7831	0.01716
K 766.491	0.2991	ppb	0.5126	171.4	220.882	0.29911
Mg 279.078	1.4185	ppb	3.1734	223.7	28.2904	1.41853
Mn 257.610	0.0380	ppb	0.0123	32.3	67.4791	0.03799
Mo 202.032	0.8221	ppb	0.2333	28.4	14.6667	0.82210
Na 330.237	-85.1341	ppb	171.669	201.6	-4.3989	-85.13407
Ni 231.604	-0.5602	ppb	0.4476	79.9	0.8546	-0.56024
Pb 220.353	-0.9370	ppb	1.0130	108.1	1.9708	-0.93699
Sb 206.834	2.4565	ppb	2.3506	95.7	3.7438	2.45649
Se 196.026	0.1627	ppb	3.5727	2196.2	-1.0595	0.16267
Sn 189.925	1.4645	ppb	0.9811	67.0	-0.1826	1.46453
Sr 216.596	0.4237	ppb	0.6238	147.2	12.5104	0.42373
Ti 334.941	0.3286	ppb	0.1466	44.6	-4.9187	0.32856
Tl 190.794	1.4617	ppb	2.6185	179.1	-0.2191	1.46167
V 292.401	-0.0782	ppb	0.1849	236.3	1.5478	-0.07822
Zn 206.200	-0.2236	ppb	0.1011	45.2	1.9979	-0.22356

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CRI (CRI) **3/26/2013, 2:38:16 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2831	9.5849	9.9214
Al 308.215	207.715	208.390	203.473
As 188.980	20.0704	17.6336	25.0213
B 249.678	114.867	116.448	112.808
Ba 389.178	10.6074	9.9759	10.3831
Be 313.042	4.2320	4.2908	4.1840
Ca 370.602	529.3	527.5	515.4
Cd 226.502	5.3127	5.6165	5.1976
Co 228.615	10.8633	11.3332	10.4610
Cr 267.716	10.3867	10.1027	10.1647
Cu 324.754	21.0622	21.3871	20.9271
Fe 271.441	66.3571	59.1317	53.6677
K 766.491	1047.65	1064.46	1040.34
Mg 279.078	533.798	540.439	522.551
Mn 257.610	10.9583	11.0899	10.7651
Mo 202.032	10.7951	11.0831	10.6364
Na 330.237	889.103	870.049	1276.12
Ni 231.604	41.6505	42.9018	40.8370
Pb 220.353	7.1308	10.5614	9.9863
Sb 206.834	16.5060	29.5578	17.4056
Se 196.026	24.7537	20.6135	17.3186
Sn 189.925	53.9953	55.1025	56.0931
Sr 216.596	9.3895	10.4324	9.9549
Ti 334.941	10.4302	10.5607	10.2538
Tl 190.794	25.5004	19.9283	28.2835
V 292.401	10.4458	10.1767	10.5170
Zn 206.200	25.1168	24.6574	25.4221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.9298	ppb	0.3492	3.5	632.098	99.29800
Al 308.215	206.526	ppb	2.6654	1.3	1469.26	103.26293
As 188.980	20.9084	ppb	3.7644	18.0	12.5307	104.54211
B 249.678	114.708	ppb	1.8250	1.6	1278.52	114.70792
Ba 389.178	10.3221	ppb	0.3202	3.1	226.493	103.22120
Be 313.042	4.2356	ppb	0.0535	1.3	8101.64	105.89025
Ca 370.602	524.1	ppb	7.578	1.4	1720	104.81059
Cd 226.502	5.3756	ppb	0.2164	4.0	213.315	107.51147
Co 228.615	10.8858	ppb	0.4366	4.0	139.678	108.85838
Cr 267.716	10.2180	ppb	0.1493	1.5	448.689	102.18004
Cu 324.754	21.1254	ppb	0.2364	1.1	1151.43	105.62717
Fe 271.441	59.7188	ppb	6.3650	10.7	106.950	119.43763
K 766.491	1050.82	ppb	12.3706	1.2	53138.4	105.08177
Mg 279.078	532.263	ppb	9.0421	1.7	1133.97	106.45251
Mn 257.610	10.9378	ppb	0.1633	1.5	2580.97	109.37755
Mo 202.032	10.8382	ppb	0.2265	2.1	81.1143	108.38214
Na 330.237	1011.76	ppb	229.140	22.6	51.9267	101.17562
Ni 231.604	41.7964	ppb	1.0401	2.5	111.632	104.49111
Pb 220.353	9.2262	ppb	1.8373	19.9	18.7323	92.26187
Sb 206.834	21.1565	ppb	7.2897	34.5	21.2006	105.78227
Se 196.026	20.8953	ppb	3.7256	17.8	9.1379	104.47646
Sn 189.925	55.0636	ppb	1.0494	1.9	41.4802	110.12730
Sr 216.596	9.9256	ppb	0.5220	5.3	104.192	99.25620
Ti 334.941	10.4149	ppb	0.1540	1.5	2667.53	104.14893
Tl 190.794	24.5707	ppb	4.2545	17.3	15.6464	98.28290
V 292.401	10.3798	ppb	0.1794	1.7	293.252	103.79830
Zn 206.200	25.0654	ppb	0.3850	1.5	41.5177	125.32722R

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Interf Check A (ICSA) 3/26/2013, 2:43:42 PM Rack S, Tube 5
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1850	-0.2721u	-0.1250u
Al 308.215	539660	538409	538151
As 188.980	-3.8058u	-5.2331u	8.4661
B 249.678	-9.4542u	-11.3610u	-10.9106u
Ba 389.178	-4.0428	-2.2871	-1.4590
Be 313.042	-0.1559u	-0.1541u	-0.1531u
Ca 370.602	502799	500844	498690
Cd 226.502	1.7500	1.6047	1.8290
Co 228.615	0.6086	0.5122u	1.0989
Cr 267.716	0.9251	0.6949	1.2237
Cu 324.754	1.4353	1.1580	0.0937
Fe 271.441	200469	199942	199815
K 766.491	2.6264	2.8638	1.6426
Mg 279.078	555052	552745	551905
Mn 257.610	0.4386	0.4052	0.3720
Mo 202.032	1.2294u	2.0612	0.5090u
Na 330.237	-604.538u	-484.061u	8.1732u
Ni 231.604	6.0465	7.0939	5.6702
Pb 220.353	-7.6316u	-1.8936u	-1.4200u
Sb 206.834	7.1260	-0.0341	4.3088
Se 196.026	3.4262	-7.3867u	-8.0459u
Sn 189.925	-8.5299u	-0.1255	-4.1923u
Sr 216.596	1.7635	3.2699	1.9261
Ti 334.941	0.2419	0.3329	0.1273
Tl 190.794	-2.3412u	8.0734u	4.8677u
V 292.401	-3.8128u	-3.9524u	-3.6745u
Zn 206.200	18.1048	19.5744	19.6297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0707	ppb	0.2333	330.0	-78.3809	-0.07070
Al 308.215	538740	ppb	807.112	0.1	3137381	-
As 188.980	-0.1910	ppb	7.5311	3944.0	1.6192	-0.19095
B 249.678	-10.5753	ppb	0.9966	9.4	-92.2791	-10.57526
Ba 389.178	-2.5963	ppb	1.3194	50.8	1752.96	-2.59629
Be 313.042	-0.1544	ppb	0.0015	0.9	-305.995	-0.15436
Ca 370.602	500778	ppb	2056	0.4	1634557	-
Cd 226.502	1.7279	ppb	0.1138	6.6	572.850	1.72789
Co 228.615	0.7399	ppb	0.3146	42.5	13.8277	0.73992
Cr 267.716	0.9479	ppb	0.2651	28.0	91.8908	0.94790
Cu 324.754	0.8957	ppb	0.7083	79.1	212.824	0.89569
Fe 271.441	200076	ppb	346.801	0.2	340253	-
K 766.491	2.3776	ppb	0.6475	27.2	325.581	2.37760
Mg 279.078	553234	ppb	1629.72	0.3	1152445	-
Mn 257.610	0.4052	ppb	0.0333	8.2	3791.92	0.40523
Mo 202.032	1.2665	ppb	0.7767	61.3	8.4518	1.26655
Na 330.237	-360.142	ppb	324.609	90.1	-78.9342	-360.14182
Ni 231.604	6.2702	ppb	0.7377	11.8	23.0493	6.27019
Pb 220.353	-3.6484	ppb	3.4577	94.8	-12.2888	-3.64839
Sb 206.834	3.8002	ppb	3.6071	94.9	9.2488	3.80023
Se 196.026	-4.0021	ppb	6.4416	161.0	-1.9386	-4.00214
Sn 189.925	-4.2826	ppb	4.2029	98.1	-4.4600	-4.28255
Sr 216.596	2.3198	ppb	0.8268	35.6	150.531	2.31984
Ti 334.941	0.2340	ppb	0.1030	44.0	2383.40	0.23401
Tl 190.794	3.5333	ppb	5.3340	151.0	-5.8657	3.53331
V 292.401	-3.8133	ppb	0.1390	3.6	-100.545	-3.81325
Zn 206.200	19.1030	ppb	0.8648	4.5	322179	19.10296

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Interf Check AB (ICSAB) 3/26/2013, 2:49:08 PM Rack S, Tube 6
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	227.560	230.236	231.413
Al 308.215	543795	543150	543598
As 188.980	123.312	117.761	113.743
B 249.678	-18.5655u	-19.3954u	-18.9073u
Ba 389.178	523.379	522.413	523.748
Be 313.042	511.757	511.067	512.167
Ca 370.602	507843	505966	505517
Cd 226.502	1007.96	1004.25	1008.77
Co 228.615	499.196	500.646	501.173
Cr 267.716	513.382	511.939	511.001
Cu 324.754	548.688	544.899	553.639
Fe 271.441	202043	201751	202054
K 766.491	3.1052	3.9659	3.5882
Mg 279.078	560689	560309	561059
Mn 257.610	508.819	507.597	508.563
Mo 202.032	1104.61	1097.95	1103.78
Na 330.237	-246.571u	-280.265u	-445.137u
Ni 231.604	993.247	992.859	990.895
Pb 220.353	52.0450	48.2493	42.5853
Sb 206.834	628.804	655.068	631.151
Se 196.026	57.8259	44.4322	39.0183
Sn 189.925	1082.45	1082.53	1087.91
Sr 216.596	2.0231	1.2669	1.4428
Ti 334.941	-6.3166	-6.3070	-6.3691
Tl 190.794	101.337	115.570	100.513
V 292.401	511.592	511.001	511.629
Zn 206.200	994.953	990.458	989.629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	229.736	ppb	1.9746	0.9	16095.7	114.86821
Al 308.215	543514	ppb	330.288	0.1	3165321	108.70289
As 188.980	118.272	ppb	4.8050	4.1	74.6625	118.27184
B 249.678	-18.9561	ppb	0.4171	2.2	-173.201	-
Ba 389.178	523.180	ppb	0.6893	0.1	14766.1	104.63605
Be 313.042	511.664	ppb	0.5562	0.1	1004182	102.33277
Ca 370.602	506442	ppb	1234	0.2	1653091	101.28833
Cd 226.502	1006.99	ppb	2.4118	0.2	38367.8	100.69940
Co 228.615	500.338	ppb	1.0237	0.2	5846.70	100.06761
Cr 267.716	512.107	ppb	1.1995	0.2	22396.5	102.42149
Cu 324.754	549.075	ppb	4.3829	0.8	27249.7	109.81508
Fe 271.441	201949	ppb	172.206	0.1	343523	100.97466
K 766.491	3.5531	ppb	0.4314	12.1	384.794	-
Mg 279.078	560686	ppb	375.231	0.1	1167961	112.13718
Mn 257.610	508.327	ppb	0.6445	0.1	120821	101.66530
Mo 202.032	1102.11	ppb	3.6321	0.3	7312.85	110.21123
Na 330.237	-323.991	ppb	106.259	32.8	-84.8601	-
Ni 231.604	992.333	ppb	1.2606	0.1	2601.97	99.23335
Pb 220.353	47.6266	ppb	4.7605	10.0	70.7966	95.25311
Sb 206.834	638.341	ppb	14.5337	2.3	595.869	106.39021
Se 196.026	47.0921	ppb	9.6818	20.6	23.3208	94.18427
Sn 189.925	1084.30	ppb	3.1329	0.3	841.686	108.42958
Sr 216.596	1.5776	ppb	0.3957	25.1	93.3242	-
Ti 334.941	-6.3309	ppb	0.0334	0.5	677.917	-
Tl 190.794	105.807	ppb	8.4654	8.0	63.8374	105.80678
V 292.401	511.408	ppb	0.3525	0.1	14137.5	102.28151
Zn 206.200	991.680	ppb	2.8645	0.3	1551.74	99.16798

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Cont Calib Verif (CCV) 3/26/2013, 2:54:33 PM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	511.812	508.508	509.776
Al 308.215	5071.74	5091.59	5040.65
As 188.980	453.610	456.228	454.026
B 249.678	2544.63	2578.41	2569.46
Ba 389.178	4987.79	5016.99	4968.61
Be 313.042	499.139	502.993	497.014
Ca 370.602	5075	5091	5031
Cd 226.502	499.448	501.736	497.224
Co 228.615	503.486	506.173	501.930
Cr 267.716	4978.19	5007.11	4944.16
Cu 324.754	5014.07	4973.72	4985.81
Fe 271.441	5058.56	5077.80	5053.53
K 766.491	10249.8	10309.5	9834.43
Mg 279.078	5097.71	5102.88	5045.79
Mn 257.610	5025.10	5058.26	5009.11
Mo 202.032	494.391	498.949	493.046
Na 330.237	7524.17	7542.15	7353.37
Ni 231.604	2527.67	2541.62	2515.64
Pb 220.353	497.633	505.743	500.586
Sb 206.834	946.449	954.670	948.431
Se 196.026	4966.42	5020.32	4964.31
Sn 189.925	5075.48	5134.53	5073.18
Sr 216.596	2504.10	2514.72	2487.40
Ti 334.941	500.049	503.172	497.190
Tl 190.794	5041.42	5062.64	4993.76
V 292.401	4987.90	5023.16	4977.66
Zn 206.200	2493.23	2515.98	2495.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.032	ppb	1.6667	0.3	35763.8	102.00639
Al 308.215	5068.00	ppb	25.6742	0.5	29753.1	101.35994
As 188.980	454.621	ppb	1.4069	0.3	280.787	90.92424
B 249.678	2564.17	ppb	17.5004	0.7	24396.1	102.56667
Ba 389.178	4991.13	ppb	24.3621	0.5	123244	99.82260
Be 313.042	499.715	ppb	3.0310	0.6	980445	99.94307
Ca 370.602	5066	ppb	31.09	0.6	16557	101.31007
Cd 226.502	499.469	ppb	2.2564	0.5	18799.8	99.89382
Co 228.615	503.863	ppb	2.1463	0.4	5940.64	100.77264
Cr 267.716	4976.49	ppb	31.5087	0.6	217232	99.52974
Cu 324.754	4991.20	ppb	20.7109	0.4	246017	99.82400
Fe 271.441	5063.30	ppb	12.8075	0.3	8738.52	101.26591
K 766.491	10131.2	ppb	258.758	2.6	510544	101.31226
Mg 279.078	5082.13	ppb	31.5765	0.6	10532.6	101.64254
Mn 257.610	5030.82	ppb	25.0698	0.5	1158770	100.61649
Mo 202.032	495.462	ppb	3.0939	0.6	3288.32	99.09247
Na 330.237	7473.23	ppb	104.190	1.4	361.619	99.64307
Ni 231.604	2528.31	ppb	12.9997	0.5	6614.78	101.13235
Pb 220.353	501.321	ppb	4.1047	0.8	831.344	100.26418
Sb 206.834	949.850	ppb	4.2906	0.5	931.455	94.98500
Se 196.026	4983.68	ppb	31.7471	0.6	2450.63	99.67365
Sn 189.925	5094.40	ppb	34.7753	0.7	3958.52	101.88791
Sr 216.596	2502.07	ppb	13.7726	0.6	24330.9	100.08300
Ti 334.941	500.137	ppb	2.9917	0.6	132336	100.02745
Tl 190.794	5032.61	ppb	35.2739	0.7	3452.33	100.65213
V 292.401	4996.24	ppb	23.8721	0.5	140125	99.92480
Zn 206.200	2501.52	ppb	12.5629	0.5	3899.41	100.06091

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Cont Calib Blank (CCB) 3/26/2013, 2:59:56 PM Rack 1, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3885	-0.9421u	-0.2751u
Al 308.215	-1.4170u	3.2995	2.7963
As 188.980	1.2503	1.3494	0.1304
B 249.678	48.9370	44.9574	39.5325
Ba 389.178	0.5494	1.5907	-0.1059u
Be 313.042	0.0216	0.0155	0.0099
Ca 370.602	7.477	5.063	2.307
Cd 226.502	0.0332	0.0508	-0.0552u
Co 228.615	1.4051	0.0756	-0.1395u
Cr 267.716	0.4203	0.3614	0.3444
Cu 324.754	0.5610	-0.2006u	-0.3417u
Fe 271.441	-0.2560u	12.4223	1.5569
K 766.491	0.9042	0.3587	0.5993
Mg 279.078	6.4276	3.0558	5.1933
Mn 257.610	0.3133	0.2849	0.2551
Mo 202.032	0.7110	0.4789	-0.3089u
Na 330.237	-34.0789u	10.4047	172.708
Ni 231.604	-1.2761u	-0.7765u	-0.8301u
Pb 220.353	0.6525	-2.0235u	0.6334
Sb 206.834	7.2196	8.7129	3.1557
Se 196.026	2.3623	4.5037	1.1095
Sn 189.925	3.0317	0.1710	0.3100
Sr 216.596	0.4844	0.1663	1.5504
Ti 334.941	0.1928	0.1914	0.0606
Tl 190.794	2.3822	5.1712	2.2589
V 292.401	0.4027	0.1936	-0.2093u
Zn 206.200	-1.6706u	-0.2644u	0.0742

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2763	ppb	0.6653	240.8	-85.6572	-0.27626
Al 308.215	1.5596	ppb	2.5900	166.1	274.541	1.55961
As 188.980	0.9100	ppb	0.6770	74.4	0.1538	0.91003
B 249.678	44.4756	ppb	4.7208	10.6	615.589	44.47563
Ba 389.178	0.6781	ppb	0.8556	126.2	-13.2622	0.67806
Be 313.042	0.0157	ppb	0.0059	37.3	-179.902	0.01569
Ca 370.602	4.949	ppb	2.587	52.3	9.897	4.94889
Cd 226.502	0.0096	ppb	0.0568	590.0	11.4670	0.00963
Co 228.615	0.4471	ppb	0.8366	187.1	17.1197	0.44710
Cr 267.716	0.3753	ppb	0.0398	10.6	19.0417	0.37535
Cu 324.754	0.0062	ppb	0.4856	7809.2	110.587	0.00622
Fe 271.441	4.5744	ppb	6.8566	149.9	11.4799	4.57441
K 766.491	0.6207	ppb	0.2734	44.0	237.082	0.62072
Mg 279.078	4.8922	ppb	1.7060	34.9	35.5244	4.89223
Mn 257.610	0.2844	ppb	0.0291	10.2	124.274	0.28444
Mo 202.032	0.2937	ppb	0.5346	182.0	11.1593	0.29366
Na 330.237	49.6779	ppb	108.844	219.1	2.5588	49.67794
Ni 231.604	-0.9609	ppb	0.2743	28.5	-0.1931	-0.96088
Pb 220.353	-0.2459	ppb	1.5395	626.2	3.1131	-0.24587
Sb 206.834	6.3627	ppb	2.8760	45.2	7.3982	6.36274
Se 196.026	2.6585	ppb	1.7163	64.6	0.1679	2.65849
Sn 189.925	1.1709	ppb	1.6130	137.8	-0.4108	1.17092
Sr 216.596	0.7337	ppb	0.7250	98.8	15.5568	0.73372
Ti 334.941	0.1482	ppb	0.0759	51.2	-52.6503	0.14825
Tl 190.794	3.2708	ppb	1.6469	50.4	1.0232	3.27077
V 292.401	0.1290	ppb	0.3111	241.2	7.4444	0.12900
Zn 206.200	-0.6203	ppb	0.9252	149.2	1.3760	-0.62029

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

mb 680-270388/1-a (Samp) **3/26/2013, 3:05:20 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.7922	0.3313	0.0252
Al 308.215	2.2558	1.4442	0.5518
As 188.980	4.2978	-1.7052u	-1.6887u
B 249.678	9.1538	8.7038	7.5476
Ba 389.178	0.3092	-0.5941u	-0.3126u
Be 313.042	-0.0274u	-0.0215u	-0.0351u
Ca 370.602	0.1318	6.027	3.336
Cd 226.502	0.0631	-0.1932u	0.0813
Co 228.615	0.2373	1.4377	0.1110
Cr 267.716	-0.1957u	-0.0025u	-0.0741u
Cu 324.754	0.5775	-0.0397u	0.1845
Fe 271.441	-4.3105u	5.1981	6.9728
K 766.491	6.9630	6.5816	6.8059
Mg 279.078	1.5034	-4.3832u	4.1166
Mn 257.610	0.0670	0.0290	0.0419
Mo 202.032	0.1742	0.2851	0.0582
Na 330.237	21.4254	34.7959	196.272
Ni 231.604	-1.1331u	-0.1190u	-1.1172u
Pb 220.353	-0.9902u	2.7195	-3.3099u
Sb 206.834	0.8753	4.3892	-3.3321u
Se 196.026	4.4896	3.4618	1.6065
Sn 189.925	4.0201	3.6498	3.2310
Sr 216.596	-0.0085u	-0.1297u	-0.7621u
Ti 334.941	0.1350	0.0911	0.0302
Tl 190.794	-8.7390u	-0.0509u	-1.2687u
V 292.401	-0.3375u	0.1736	-0.0951u
Zn 206.200	2.5576	0.5346	1.3460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3829	ppb	0.3861	100.8	-39.2646
Al 308.215	1.4173	ppb	0.8523	60.1	273.678
As 188.980	0.3013	ppb	3.4611	1148.7	-0.2228
B 249.678	8.4684	ppb	0.8286	9.8	275.692
Ba 389.178	-0.1991	ppb	0.4622	232.1	-34.9404
Be 313.042	-0.0280	ppb	0.0068	24.2	-265.607
Ca 370.602	3.165	ppb	2.951	93.3	4.234
Cd 226.502	-0.0162	ppb	0.1535	945.2	10.4876
Co 228.615	0.5954	ppb	0.7322	123.0	18.8679
Cr 267.716	-0.0908	ppb	0.0977	107.6	-1.3048
Cu 324.754	0.2408	ppb	0.3124	129.8	122.137
Fe 271.441	2.6201	ppb	6.0673	231.6	8.1295
K 766.491	6.7835	ppb	0.1917	2.8	547.519
Mg 279.078	0.4123	ppb	4.3537	1056.0	26.1944
Mn 257.610	0.0460	ppb	0.0193	42.0	69.3169
Mo 202.032	0.1725	ppb	0.1135	65.8	10.3559
Na 330.237	84.1645	ppb	97.3181	115.6	4.3246
Ni 231.604	-0.7898	ppb	0.5809	73.6	0.2543
Pb 220.353	-0.5269	ppb	3.0413	577.2	2.6494
Sb 206.834	0.6442	ppb	3.8659	600.1	2.0628
Se 196.026	3.1860	ppb	1.4612	45.9	0.4271
Sn 189.925	3.6336	ppb	0.3948	10.9	1.5035
Sr 216.596	-0.3001	ppb	0.4047	134.9	5.4907
Ti 334.941	0.0854	ppb	0.0526	61.6	-69.3026
Tl 190.794	-3.3529	ppb	4.7041	140.3	-3.5264
V 292.401	-0.0863	ppb	0.2557	296.1	1.4731
Zn 206.200	1.4794	ppb	1.0180	68.8	4.6613

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Ics 680-270388/2-a (Samp) 3/26/2013, 3:10:45 PM Rack 1, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	27.1813	27.9988	28.6731
Al 308.215	9996.79	10059.9	10020.3
As 188.980	211.802	213.855	218.471
B 249.678	410.013	416.758	416.280
Ba 389.178	207.205	207.620	207.150
Be 313.042	104.768	105.213	104.901
Ca 370.602	9874	9891	9890
Cd 226.502	103.311	103.609	103.322
Co 228.615	103.520	104.390	103.377
Cr 267.716	203.062	204.364	204.011
Cu 324.754	209.113	208.717	208.727
Fe 271.441	10217.9	10288.2	10237.8
K 766.491	10105.9	10138.3	10177.6
Mg 279.078	10217.2	10279.5	10235.9
Mn 257.610	1047.47	1054.07	1048.40
Mo 202.032	204.230	203.742	205.061
Na 330.237	9801.29	10061.6	9816.12
Ni 231.604	201.867	205.906	202.916
Pb 220.353	98.3012	104.183	103.904
Sb 206.834	104.422	104.572	97.7968
Se 196.026	207.812	206.821	207.746
Sn 189.925	408.529	409.144	409.974
Sr 216.596	207.148	208.485	207.222
Ti 334.941	204.005	205.026	204.740
Tl 190.794	84.4609	81.4872	88.6274
V 292.401	204.690	206.404	205.561
Zn 206.200	201.501	202.296	203.322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	27.9511	ppb	0.7471	2.7	1897.11
Al 308.215	10025.7	ppb	31.8882	0.3	58669.3
As 188.980	214.709	ppb	3.4159	1.6	132.385
B 249.678	414.350	ppb	3.7642	0.9	4097.50
Ba 389.178	207.325	ppb	0.2572	0.1	5134.84
Be 313.042	104.961	ppb	0.2280	0.2	205785
Ca 370.602	9885	ppb	9.785	0.1	31799
Cd 226.502	103.414	ppb	0.1690	0.2	3923.83
Co 228.615	103.762	ppb	0.5487	0.5	1229.43
Cr 267.716	203.812	ppb	0.6734	0.3	8904.62
Cu 324.754	208.853	ppb	0.2261	0.1	10408.0
Fe 271.441	10248.0	ppb	36.2490	0.4	17449.6
K 766.491	10140.6	ppb	35.9042	0.4	511015
Mg 279.078	10244.2	ppb	31.9588	0.3	21349.2
Mn 257.610	1049.98	ppb	3.5728	0.3	241969
Mo 202.032	204.345	ppb	0.6670	0.3	1364.45
Na 330.237	9893.01	ppb	146.213	1.5	504.392
Ni 231.604	203.563	ppb	2.0955	1.0	534.919
Pb 220.353	102.129	ppb	3.3181	3.2	171.812
Sb 206.834	102.264	ppb	3.8691	3.8	97.1857
Se 196.026	207.459	ppb	0.5538	0.3	101.187
Sn 189.925	409.216	ppb	0.7252	0.2	316.766
Sr 216.596	207.618	ppb	0.7517	0.4	2025.86
Ti 334.941	204.590	ppb	0.5268	0.3	54116.0
Tl 190.794	84.8585	ppb	3.5867	4.2	55.6970
V 292.401	205.551	ppb	0.8568	0.4	5734.50
Zn 206.200	202.373	ppb	0.9129	0.5	318.227

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ics 680-270388/3-a (Samp) 3/26/2013, 3:16:09 PM Rack 1, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	414.490	417.786	421.207
Al 308.215	3953.69	3968.62	3986.77
As 188.980	433.404	430.792	447.671
B 249.678	805.791	809.287	821.464
Ba 389.178	393.656	395.180	397.830
Be 313.042	398.989	399.277	401.123
Ca 370.602	39034	39007	39132
Cd 226.502	393.040	394.090	396.702
Co 228.615	398.305	399.355	400.547
Cr 267.716	397.571	396.591	398.857
Cu 324.754	406.825	408.610	408.988
Fe 271.441	41522.5	41544.1	41921.2
K 766.491	40990.5x	40876.3x	40991.0x
Mg 279.078	39946.0	40023.2	40321.1
Mn 257.610	3967.44	3972.36	4014.44
Mo 202.032	399.683	395.689	396.580
Na 330.237	35816.0	35620.2	35883.3
Ni 231.604	400.488	395.659	398.691
Pb 220.353	393.745	396.606	394.137
Sb 206.834	394.976	384.498	387.646
Se 196.026	411.655	412.926	407.577
Sn 189.925	405.971	396.272	401.859
Sr 216.596	423.495	423.785	424.742
Ti 334.941	396.616	395.576	397.792
Tl 190.794	86.9829	97.3935	95.7346
V 292.401	404.400	403.923	407.405
Zn 206.200	373.161	375.412	375.373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	417.827b	ppb	3.3587	0.8	29332.4
Al 308.215	3969.69b	ppb	16.5679	0.4	23427.5
As 188.980	437.289b	ppb	9.0856	2.1	270.000
B 249.678	812.181b	ppb	8.2278	1.0	7823.35
Ba 389.178	395.555b	ppb	2.1120	0.5	9915.07
Be 313.042	399.797b	ppb	1.1578	0.3	784502
Ca 370.602	39058b	ppb	65.86	0.2	125474
Cd 226.502	394.611b	ppb	1.8854	0.5	14947.8
Co 228.615	399.403b	ppb	1.1220	0.3	4700.97
Cr 267.716	397.673b	ppb	1.1368	0.3	17382.6
Cu 324.754	408.141b	ppb	1.1552	0.3	20240.4
Fe 271.441	41662.6b	ppb	224.202	0.5	70921.1
K 766.491	40952.6xb	ppb	66.0778	0.2	2063100
Mg 279.078	40096.8b	ppb	198.124	0.5	83501.5
Mn 257.610	3984.75b	ppb	25.8329	0.6	918140
Mo 202.032	397.318b	ppb	2.0964	0.5	2643.26
Na 330.237	35773.2b	ppb	136.673	0.4	1827.87
Ni 231.604	398.279b	ppb	2.4407	0.6	1044.81
Pb 220.353	394.829b	ppb	1.5511	0.4	655.486
Sb 206.834	389.040b	ppb	5.3758	1.4	366.856
Se 196.026	410.719b	ppb	2.7948	0.7	202.036
Sn 189.925	401.367b	ppb	4.8679	1.2	310.686
Sr 216.596	424.008b	ppb	0.6526	0.2	4138.90
Ti 334.941	396.661b	ppb	1.1089	0.3	105094
Tl 190.794	93.3703b	ppb	5.5935	6.0	57.5977
V 292.401	405.243b	ppb	1.8877	0.5	11303.2
Zn 206.200	374.649b	ppb	1.2886	0.3	587.064

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lb 680-269996/7-g (Samp) **3/26/2013, 3:21:34 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5058u	0.2686	0.0218
Al 308.215	2.9489	2.2431	8.4070
As 188.980	-4.6724u	-4.6889u	-3.0251u
B 249.678	60.3652	59.1429	58.8364
Ba 389.178	0.7946	0.4433	0.1982
Be 313.042	0.0140	0.0194	0.0137
Ca 370.602	390.0	389.0	390.3
Cd 226.502	-0.0093u	-0.1904u	-0.0687u
Co 228.615	0.5402	-0.2900u	0.0669
Cr 267.716	0.3546	0.1852	0.0673
Cu 324.754	0.8666	1.5109	1.3253
Fe 271.441	15.6870	6.6719	10.5163
K 766.491	92.8316	93.7379	94.3149
Mg 279.078	77.4512	88.7160	87.3808
Mn 257.610	0.3764	0.3807	0.3134
Mo 202.032	0.6098	0.4184	0.3209
Na 330.237	118339x	118298x	120842x
Ni 231.604	0.6337	-0.1130u	-2.3762u
Pb 220.353	0.5929	-1.4225u	-0.3707u
Sb 206.834	1.0580	-1.8145u	-1.6310u
Se 196.026	2.3879	2.1629	-4.0336u
Sn 189.925	-0.7890u	-0.0291	-0.1144u
Sr 216.596	0.5172	0.8215	0.3134
Ti 334.941	0.3336	0.2837	0.2171
Tl 190.794	0.9631	-2.9352u	1.4392
V 292.401	-0.0336u	0.1414	0.0000u
Zn 206.200	1.5568	2.1422	4.2823

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0718b	ppb	0.3956	551.0	-71.2828
Al 308.215	4.5330b	ppb	3.3735	74.4	291.893
As 188.980	-4.1288b	ppb	0.9559	23.2	-2.9614
B 249.678	59.4482b	ppb	0.8088	1.4	756.918
Ba 389.178	0.4787b	ppb	0.2998	62.6	-17.9503
Be 313.042	0.0157b	ppb	0.0032	20.4	-194.326
Ca 370.602	389.8b	ppb	0.6984	0.2	1278
Cd 226.502	-0.0895b	ppb	0.0923	103.1	7.0819
Co 228.615	0.1057b	ppb	0.4164	394.0	13.1010
Cr 267.716	0.2024b	ppb	0.1444	71.4	13.4505
Cu 324.754	1.2342b	ppb	0.3317	26.9	171.109
Fe 271.441	10.9584b	ppb	4.5238	41.3	22.2860
K 766.491	93.6281b	ppb	0.7477	0.8	4922.12
Mg 279.078	84.5160b	ppb	6.1546	7.3	201.403
Mn 257.610	0.3568b	ppb	0.0376	10.6	140.757
Mo 202.032	0.4497b	ppb	0.1470	32.7	12.1947
Na 330.237	119160xb	ppb	1457.37	1.2	6150.06
Ni 231.604	-0.6185b	ppb	1.5673	253.4	0.7026
Pb 220.353	-0.4001b	ppb	1.0080	251.9	2.8580
Sb 206.834	-0.7958b	ppb	1.6081	202.1	0.7155
Se 196.026	0.1724b	ppb	3.6442	2113.6	-1.0545
Sn 189.925	-0.3108b	ppb	0.4163	133.9	-1.5222
Sr 216.596	0.5507b	ppb	0.2557	46.4	13.7999
Ti 334.941	0.2781b	ppb	0.0585	21.0	-26.8357
Tl 190.794	-0.1776b	ppb	2.4000	1351.0	-1.3462
V 292.401	0.0359b	ppb	0.0929	258.3	3.8050
Zn 206.200	2.6604b	ppb	1.4347	53.8	6.5074

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680-88485-a-1-k (Samp) 3/26/2013, 3:26:59 PM Rack 1, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7539u	-0.7909u	-0.7424u
Al 308.215	0.0219	0.4918	1.2359
As 188.980	0.0385	3.1022	0.4697
B 249.678	10.6953	9.3022	8.8543
Ba 389.178	6.3222	6.9996	7.6454
Be 313.042	-0.0347u	-0.0334u	-0.0479u
Ca 370.602	60661	60263	59812
Cd 226.502	-0.4054u	0.0212	-0.1835u
Co 228.615	0.9890	1.6332	1.2878
Cr 267.716	-0.0812u	-0.2411u	-0.1404u
Cu 324.754	0.1220	0.2150	-0.0719u
Fe 271.441	1.5226	-0.7318u	-0.1084u
K 766.491	624.229	622.534	616.480
Mg 279.078	1893.55	1883.20	1865.34
Mn 257.610	62.4323	61.9549	61.5282
Mo 202.032	0.0275	-0.4944u	0.5494
Na 330.237	122879x	121443x	120805x
Ni 231.604	14.9374	12.1060	14.1656
Pb 220.353	0.1442	-0.1857u	-0.1657u
Sb 206.834	2.9034	-6.6681u	-1.2011u
Se 196.026	6.6482	2.1797	3.0557
Sn 189.925	2.4492	1.8993	1.6169
Sr 216.596	119.186	118.096	118.082
Ti 334.941	0.1318	0.2153	0.1346
Tl 190.794	-0.1388u	1.3768	-1.6565u
V 292.401	-0.9532u	-1.0243u	-1.4876u
Zn 206.200	3.5018	3.1955	2.4606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7624b	ppb	0.0253	3.3	-124.744
Al 308.215	0.5832b	ppb	0.6121	105.0	268.838
As 188.980	1.2035b	ppb	1.6584	137.8	0.8403
B 249.678	9.6173b	ppb	0.9601	10.0	286.537
Ba 389.178	6.9891b	ppb	0.6617	9.5	147.798
Be 313.042	-0.0387b	ppb	0.0080	20.8	-279.942
Ca 370.602	60245b	ppb	424.3	0.7	198667
Cd 226.502	-0.1892b	ppb	0.2134	112.8	3.3143
Co 228.615	1.3033b	ppb	0.3224	24.7	27.1879
Cr 267.716	-0.1542b	ppb	0.0808	52.4	-1.8213
Cu 324.754	0.0884b	ppb	0.1464	165.6	114.639
Fe 271.441	0.2275b	ppb	1.1641	511.8	4.2491
K 766.491	621.081b	ppb	4.0738	0.7	31491.4
Mg 279.078	1880.70b	ppb	14.2726	0.8	3942.38
Mn 257.610	61.9718b	ppb	0.4523	0.7	14342.3
Mo 202.032	0.0275b	ppb	0.5219	1896.0	9.3955
Na 330.237	121709xb	ppb	1062.01	0.9	6281.64
Ni 231.604	13.7363b	ppb	1.4637	10.7	38.2448
Pb 220.353	-0.0691b	ppb	0.1850	267.9	3.4183
Sb 206.834	-1.6553b	ppb	4.8019	290.1	-0.0819
Se 196.026	3.9612b	ppb	2.3679	59.8	0.8236
Sn 189.925	1.9885b	ppb	0.4232	21.3	0.2892
Sr 216.596	118.455b	ppb	0.6334	0.5	1167.68
Ti 334.941	0.1605b	ppb	0.0474	29.5	-50.4718
Tl 190.794	-0.1395b	ppb	1.5166	1087.2	-1.3814
V 292.401	-1.1550b	ppb	0.2902	25.1	-29.5613
Zn 206.200	3.0526b	ppb	0.5351	17.5	87.1217

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680-88485-a-2-k (Samp)

3/26/2013, 3:32:25 PM

Rack 1, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4834u	-0.4335u	-0.9704u
Al 308.215	2.5235	2.2780	2.3590
As 188.980	-0.7751	-2.4132u	-2.7485u
B 249.678	-1.2245u	-1.4751u	-2.6149u
Ba 389.178	7.1586	7.5882	6.8627
Be 313.042	-0.0303u	-0.0314u	-0.0373u
Ca 370.602	62666	62775	62627
Cd 226.502	0.0905	-0.0675u	-0.1039u
Co 228.615	0.4754	1.1642	0.0673
Cr 267.716	-0.3685u	-0.2775u	-0.2777u
Cu 324.754	0.1886	-0.0860u	0.3190
Fe 271.441	10.5003	12.1653	12.6666
K 766.491	290.262	292.256	291.664
Mg 279.078	708.346	698.716	700.257
Mn 257.610	49.7229	49.6964	49.6334
Mo 202.032	-0.0913u	-0.1226u	-0.3318u
Na 330.237	119607x	119503x	119310x
Ni 231.604	0.1096	-0.2921u	0.9819
Pb 220.353	0.7953	-3.2278u	-0.3254u
Sb 206.834	1.9399	4.6945	0.1676
Se 196.026	11.1210	1.1395	9.4236
Sn 189.925	0.9643	-1.1808u	3.6265
Sr 216.596	141.112	141.058	140.435
Ti 334.941	0.3799	0.1885	0.3708
Tl 190.794	2.1197	-1.0885u	4.9044
V 292.401	-1.0545u	-0.9712u	-1.1533u
Zn 206.200	13.1484	15.2506	13.8892

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6291b	ppb	0.2967	47.2	-116.332
Al 308.215	2.3868b	ppb	0.1251	5.2	279.344
As 188.980	-1.9789b	ppb	1.0559	53.4	-1.1088
B 249.678	-1.7715b	ppb	0.7411	41.8	179.025
Ba 389.178	7.2032b	ppb	0.3648	5.1	149.800
Be 313.042	-0.0330b	ppb	0.0038	11.4	-267.622
Ca 370.602	62689b	ppb	77.11	0.1	206725
Cd 226.502	-0.0270b	ppb	0.1033	383.0	9.4233
Co 228.615	0.5689b	ppb	0.5544	97.4	18.5601
Cr 267.716	-0.3079b	ppb	0.0525	17.0	-8.6157
Cu 324.754	0.1406b	ppb	0.2067	147.1	117.212
Fe 271.441	11.7774b	ppb	1.1341	9.6	23.7993
K 766.491	291.394b	ppb	1.0241	0.4	14884.1
Mg 279.078	702.440b	ppb	5.1729	0.7	1487.93
Mn 257.610	49.6843b	ppb	0.0460	0.1	11505.8
Mo 202.032	-0.1819b	ppb	0.1308	71.9	8.0053
Na 330.237	119473xb	ppb	150.755	0.1	6166.17
Ni 231.604	0.2665b	ppb	0.6513	244.4	3.0169
Pb 220.353	-0.9193b	ppb	2.0763	225.9	2.0116
Sb 206.834	2.2673b	ppb	2.2811	100.6	3.5757
Se 196.026	7.2280b	ppb	5.3407	73.9	2.4269
Sn 189.925	1.1367b	ppb	2.4082	211.9	-0.3727
Sr 216.596	140.868b	ppb	0.3763	0.3	1386.46
Ti 334.941	0.3130b	ppb	0.1080	34.5	-14.9690
Tl 190.794	1.9786b	ppb	2.9990	151.6	0.0856
V 292.401	-1.0597b	ppb	0.0911	8.6	-26.8717
Zn 206.200	14.0960b	ppb	1.0663	7.6	24.3938

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680-88489-b-1-j (Samp) 3/26/2013, 3:37:51 PM Rack 1, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6210u	0.1632	0.2188
Al 308.215	14.6766	11.4101	15.0013
As 188.980	-3.1115u	1.4502	-3.9214u
B 249.678	33.5501	34.1080	33.9746
Ba 389.178	9.9837	9.0675	10.0348
Be 313.042	-0.0184u	-0.0055u	-0.0126u
Ca 370.602	1369	1376	1383
Cd 226.502	0.0524	-0.0350	-0.0116
Co 228.615	0.7461	0.5283	0.5505
Cr 267.716	1.3449	1.2709	1.1052
Cu 324.754	0.2339	0.1897	0.7903
Fe 271.441	1812.24	1806.70	1827.13
K 766.491	247.564	248.071	249.849
Mg 279.078	164.136	166.790	169.446
Mn 257.610	19.6392	19.5385	19.7024
Mo 202.032	-0.1610u	-0.7280u	-0.3528u
Na 330.237	114659x	114650x	115577x
Ni 231.604	2.0695	1.9744	1.4643
Pb 220.353	-0.3657u	2.7326	-1.4187u
Sb 206.834	-3.3196u	-0.1418u	0.5662
Se 196.026	-1.1123u	0.4831	7.2014
Sn 189.925	1.1553	6.1356	0.5562
Sr 216.596	4.6822	3.7065	4.3245
Ti 334.941	0.6842	0.7215	0.6862
Tl 190.794	4.0161	-0.1385u	4.1488
V 292.401	0.1660	-0.0197u	-0.1221u
Zn 206.200	3.8243	4.1463	3.9743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0796b	ppb	0.4696	589.7	-71.9011
Al 308.215	13.6960b	ppb	1.9863	14.5	345.132
As 188.980	-1.8609b	ppb	2.8959	155.6	-1.5677
B 249.678	33.8776b	ppb	0.2914	0.9	513.846
Ba 389.178	9.6953b	ppb	0.5443	5.6	212.566
Be 313.042	-0.0122b	ppb	0.0065	53.0	-248.106
Ca 370.602	1376b	ppb	7.041	0.5	4379
Cd 226.502	0.0019b	ppb	0.0452	2324.3	14.9492
Co 228.615	0.6083b	ppb	0.1199	19.7	18.9877
Cr 267.716	1.2403b	ppb	0.1228	9.9	59.1600
Cu 324.754	0.4046b	ppb	0.3347	82.7	130.731
Fe 271.441	1815.36b	ppb	10.5687	0.6	3090.94
K 766.491	248.495b	ppb	1.2003	0.5	12723.2
Mg 279.078	166.790b	ppb	2.6553	1.6	372.817
Mn 257.610	19.6267b	ppb	0.0827	0.4	4584.29
Mo 202.032	-0.4139b	ppb	0.2884	69.7	6.3809
Na 330.237	114962xb	ppb	532.693	0.5	5932.86
Ni 231.604	1.8361b	ppb	0.3255	17.7	7.1592
Pb 220.353	0.3161b	ppb	2.1579	682.7	4.0456
Sb 206.834	-0.9651b	ppb	2.0696	214.5	0.6170
Se 196.026	2.1907b	ppb	4.4121	201.4	-0.0469
Sn 189.925	2.6157b	ppb	3.0630	117.1	0.7515
Sr 216.596	4.2378b	ppb	0.4936	11.6	50.4677
Ti 334.941	0.6973b	ppb	0.0210	3.0	85.0076
Tl 190.794	2.6755b	ppb	2.4379	91.1	0.5313
V 292.401	0.0081b	ppb	0.1460	1806.6	3.1703
Zn 206.200	3.9816b	ppb	0.1611	4.0	8.5703

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680-88441-a-2-c (Samp) 3/26/2013, 3:43:16 PM Rack 1, Tube 10
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2045u	-0.2015u	0.1044
Al 308.215	7.7993	8.4527	8.7752
As 188.980	-0.3160u	-1.5402u	-3.7774u
B 249.678	0.2157	0.6610	1.0508
Ba 389.178	270.597	270.651	270.434
Be 313.042	-0.0211u	-0.0205u	-0.0192u
Ca 370.602	1247	1246	1251
Cd 226.502	-0.0861u	0.0001u	-0.0131u
Co 228.615	36.7019	36.0736	36.9558
Cr 267.716	-0.0798u	-0.1839u	0.0291
Cu 324.754	1.4460	1.5877	1.3865
Fe 271.441	18.4342	12.5017	17.5712
K 766.491	224.922	225.069	225.642
Mg 279.078	120.787	126.764	118.672
Mn 257.610	9.3716	9.4584	9.3501
Mo 202.032	2.3087	1.5412	1.5030
Na 330.237	128488x	127961x	127795x
Ni 231.604	-0.2692u	-1.1973u	-0.3273u
Pb 220.353	-0.6603u	-5.4918u	2.6680
Sb 206.834	-0.8168u	-3.7316u	0.3642
Se 196.026	4.5084	7.0432	2.5685
Sn 189.925	-0.0647u	3.4244	6.1360
Sr 216.596	2.6589	3.5598	3.3909
Ti 334.941	0.3904	0.3384	0.3835
Tl 190.794	-2.3055u	1.7281	-3.9662u
V 292.401	-0.1994u	0.1435	-0.7308u
Zn 206.200	102.632	102.357	101.776

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1005b	ppb	0.1775	176.5	-73.3694
Al 308.215	8.3424b	ppb	0.4972	6.0	314.228
As 188.980	-1.8779b	ppb	1.7553	93.5	-1.5616
B 249.678	0.6425b	ppb	0.4178	65.0	201.800
Ba 389.178	270.561b	ppb	0.1130	0.0	6650.89
Be 313.042	-0.0203b	ppb	0.0010	4.7	-266.029
Ca 370.602	1248b	ppb	2.342	0.2	4108
Cd 226.502	-0.0330b	ppb	0.0464	140.5	9.1716
Co 228.615	36.5771b	ppb	0.4542	1.2	441.564
Cr 267.716	-0.0782b	ppb	0.1065	136.2	1.3878
Cu 324.754	1.4734b	ppb	0.1034	7.0	182.928
Fe 271.441	16.1691b	ppb	3.2052	19.8	36.8384
K 766.491	225.211b	ppb	0.3802	0.2	11550.3
Mg 279.078	122.074b	ppb	4.1966	3.4	279.504
Mn 257.610	9.3934b	ppb	0.0573	0.6	2222.20
Mo 202.032	1.7843b	ppb	0.4546	25.5	21.0515
Na 330.237	128081xb	ppb	362.088	0.3	6609.78
Ni 231.604	-0.5980b	ppb	0.5199	86.9	0.7565
Pb 220.353	-1.1614b	ppb	4.1029	353.3	1.5889
Sb 206.834	-1.3947b	ppb	2.1082	151.2	0.1408
Se 196.026	4.7067b	ppb	2.2440	47.7	1.1773
Sn 189.925	3.1652b	ppb	3.1085	98.2	1.1831
Sr 216.596	3.2032b	ppb	0.4789	14.9	39.6791
Ti 334.941	0.3708b	ppb	0.0282	7.6	-2.8128
Tl 190.794	-1.5145b	ppb	2.9284	193.4	-2.2609
V 292.401	-0.2622b	ppb	0.4405	168.0	-4.8564
Zn 206.200	102.255b	ppb	0.4372	0.4	162.272

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680-88470-a-1-e (Samp) **3/26/2013, 3:48:43 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2579	-0.6876u	-0.0980u
Al 308.215	4.2810	3.6695	0.8441
As 188.980	-0.0405u	0.4942	7.4564
B 249.678	34.2719	34.6108	34.2225
Ba 389.178	1.3360	1.9952	0.9405
Be 313.042	-0.0194u	-0.0140u	-0.0199u
Ca 370.602	2886	2877	2874
Cd 226.502	0.0680	0.0340	0.0919
Co 228.615	0.5137	0.1450	-0.0440u
Cr 267.716	-0.0374	0.1499	0.0372
Cu 324.754	0.3157	0.7271	0.3530
Fe 271.441	6.5418	7.7297	4.5161
K 766.491	111.210	110.683	110.442
Mg 279.078	99.6310	103.832	101.390
Mn 257.610	2.6905	2.6678	2.5772
Mo 202.032	15.8895	15.7526	16.3004
Na 330.237	120931x	120336x	120193x
Ni 231.604	0.5336	-0.5037u	-0.7288u
Pb 220.353	-0.9470u	2.0872	-2.4200u
Sb 206.834	-1.0181u	4.0070	-3.6246u
Se 196.026	13.7043	8.5649	2.6103
Sn 189.925	-0.1573u	5.6319	0.3287
Sr 216.596	2.6154	2.2936	1.7333
Ti 334.941	0.2278	0.2501	0.2128
Tl 190.794	3.7024	-1.4449u	-5.5704u
V 292.401	-0.4190u	-0.2006u	-0.4516u
Zn 206.200	10.7020	11.4317	11.3333

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1759b	ppb	0.4775	271.5	-78.6803
Al 308.215	2.9315b	ppb	1.8334	62.5	284.662
As 188.980	2.6367b	ppb	4.1825	158.6	1.2421
B 249.678	34.3684b	ppb	0.2114	0.6	520.176
Ba 389.178	1.4239b	ppb	0.5328	37.4	5.5080
Be 313.042	-0.0177b	ppb	0.0032	18.3	-261.774
Ca 370.602	2879b	ppb	6.182	0.2	9487
Cd 226.502	0.0646b	ppb	0.0291	45.1	12.8550
Co 228.615	0.2049b	ppb	0.2836	138.4	13.7369
Cr 267.716	0.0499b	ppb	0.0943	189.0	6.8285
Cu 324.754	0.4653b	ppb	0.2275	48.9	133.643
Fe 271.441	6.2625b	ppb	1.6249	25.9	14.3922
K 766.491	110.779b	ppb	0.3929	0.4	5786.03
Mg 279.078	101.618b	ppb	2.1099	2.1	236.993
Mn 257.610	2.6451b	ppb	0.0600	2.3	667.891
Mo 202.032	15.9808b	ppb	0.2851	1.8	115.262
Na 330.237	120486xb	ppb	391.528	0.3	6218.47
Ni 231.604	-0.2330b	ppb	0.6734	289.1	1.7108
Pb 220.353	-0.4266b	ppb	2.2982	538.7	2.7941
Sb 206.834	-0.2119b	ppb	3.8791	1830.4	1.0607
Se 196.026	8.2932b	ppb	5.5520	66.9	2.9390
Sn 189.925	1.9344b	ppb	3.2113	166.0	0.2244
Sr 216.596	2.2141b	ppb	0.4464	20.2	29.7137
Ti 334.941	0.2303b	ppb	0.0188	8.2	-39.5400
Tl 190.794	-1.1043b	ppb	4.6458	420.7	-1.9895
V 292.401	-0.3571b	ppb	0.1365	38.2	-10.3668
Zn 206.200	11.1557b	ppb	0.3960	3.5	10.7943

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lb 680-270181/3-c (Samp) 3/26/2013, 3:54:09 PM Rack 1, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0664	0.4491	-0.2000u
Al 308.215	2.4945	5.8802	2.8913
As 188.980	-11.0080u	-4.9007u	1.2026
B 249.678	36.0891	36.6604	36.7617
Ba 389.178	0.7227	1.3857	-0.1976u
Be 313.042	-0.0172u	-0.0141u	0.0027u
Ca 370.602	484.1	484.0	488.1
Cd 226.502	0.2029	-0.0556u	-0.1610u
Co 228.615	-0.3308u	-0.3097u	0.1031
Cr 267.716	0.2234	0.3871	0.3261
Cu 324.754	1.2514	1.6612	0.8430
Fe 271.441	105.859	106.776	107.349
K 766.491	105.985	106.161	106.029
Mg 279.078	96.0995	91.2735	89.2367
Mn 257.610	2.4782	2.5123	2.4940
Mo 202.032	0.1707	-0.2089u	-0.2574u
Na 330.237	120934x	118505x	119879x
Ni 231.604	-0.9475u	1.0829	0.6079
Pb 220.353	-3.6105u	2.1764	-2.6848u
Sb 206.834	2.1761	2.1244	-4.9124u
Se 196.026	15.2897	6.4259	9.3139
Sn 189.925	-1.8263u	1.2115	3.1677
Sr 216.596	0.9689	0.9461	0.8560
Ti 334.941	0.1680	0.2405	0.2201
Tl 190.794	-2.9766u	3.4841	-3.4887u
V 292.401	-0.1308u	-0.2022u	-0.0542u
Zn 206.200	2.7191	2.2594	4.0786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1051b	ppb	0.3263	310.3	-58.8612
Al 308.215	3.7553b	ppb	1.8509	49.3	287.282
As 188.980	-4.9020b	ppb	6.1053	124.5	-3.4398
B 249.678	36.5037b	ppb	0.3626	1.0	540.242
Ba 389.178	0.6369b	ppb	0.7951	124.8	-13.8835
Be 313.042	-0.0095b	ppb	0.0107	112.5	-243.833
Ca 370.602	485.4b	ppb	2.349	0.5	1586
Cd 226.502	-0.0045b	ppb	0.1873	4121.1	10.4972
Co 228.615	-0.1791b	ppb	0.2447	136.6	9.7717
Cr 267.716	0.3122b	ppb	0.0827	26.5	18.2843
Cu 324.754	1.2518b	ppb	0.4091	32.7	171.987
Fe 271.441	106.661b	ppb	0.7516	0.7	185.020
K 766.491	106.058b	ppb	0.0916	0.1	5548.26
Mg 279.078	92.2032b	ppb	3.5246	3.8	217.400
Mn 257.610	2.4949b	ppb	0.0171	0.7	633.475
Mo 202.032	-0.0985b	ppb	0.2344	237.9	8.5525
Na 330.237	119773xb	ppb	1218.22	1.0	6181.66
Ni 231.604	0.2478b	ppb	1.0620	428.6	2.9701
Pb 220.353	-1.3730b	ppb	3.1085	226.4	1.2528
Sb 206.834	-0.2040b	ppb	4.0777	1999.0	1.2790
Se 196.026	10.3432b	ppb	4.5206	43.7	3.9476
Sn 189.925	0.8510b	ppb	2.5165	295.7	-0.6189
Sr 216.596	0.9237b	ppb	0.0597	6.5	17.4819
Ti 334.941	0.2095b	ppb	0.0374	17.8	-44.9863
Tl 190.794	-0.9938b	ppb	3.8864	391.1	-1.9121
V 292.401	-0.1291b	ppb	0.0740	57.4	-0.7228
Zn 206.200	3.0191b	ppb	0.9460	31.3	7.0679

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Cont Calib Verif (CCV) 3/26/2013, 3:59:34 PM Rack 1, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	510.337	513.604	502.659
Al 308.215	5065.60	5066.20	5038.11
As 188.980	461.086	452.826	449.079
B 249.678	2547.81	2568.01	2573.67
Ba 389.178	5005.87	5009.44	4981.83
Be 313.042	499.174	500.062	497.842
Ca 370.602	4993	5011	4987
Cd 226.502	497.146	497.943	494.752
Co 228.615	506.540	502.194	501.373
Cr 267.716	4940.44	4959.27	4952.40
Cu 324.754	4971.49	4923.83	4885.85
Fe 271.441	5051.39	5051.46	5015.92
K 766.491	10269.5	10303.7	10052.6
Mg 279.078	4997.33	5021.65	4993.62
Mn 257.610	5019.36	5042.37	5006.14
Mo 202.032	491.737	494.587	492.837
Na 330.237	7277.44	7403.96	7438.35
Ni 231.604	2517.85	2526.27	2516.22
Pb 220.353	491.260	504.840	500.888
Sb 206.834	946.296	945.804	958.531
Se 196.026	4983.44	4987.87	4971.86
Sn 189.925	5059.80	5087.48	5046.81
Sr 216.596	2490.88	2496.27	2495.67
Ti 334.941	497.965	499.301	498.687
Tl 190.794	4994.30	5027.02	4985.88
V 292.401	5014.67	5008.21	4986.90
Zn 206.200	2492.28	2490.53	2486.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	508.867	ppb	5.6189	1.1	35681.6	101.77332
Al 308.215	5056.64	ppb	16.0459	0.3	29686.9	101.13275
As 188.980	454.331	ppb	6.1432	1.4	280.607	90.86615
B 249.678	2563.16	ppb	13.5931	0.5	24386.6	102.52654
Ba 389.178	4999.05	ppb	15.0194	0.3	123440	99.98093
Be 313.042	499.026	ppb	1.1174	0.2	979092	99.80522
Ca 370.602	4997	ppb	12.68	0.3	16334	99.94152
Cd 226.502	496.614	ppb	1.6607	0.3	18692.4	99.32274
Co 228.615	503.369	ppb	2.7766	0.6	5934.85	100.67376
Cr 267.716	4950.70	ppb	9.5283	0.2	216106	99.01402
Cu 324.754	4927.06	ppb	42.9105	0.9	242856	98.54116
Fe 271.441	5039.59	ppb	20.4958	0.4	8698.14	100.79182
K 766.491	10208.6	ppb	136.158	1.3	514441	102.08590
Mg 279.078	5004.20	ppb	15.2245	0.3	10370.4	100.08392
Mn 257.610	5022.63	ppb	18.3340	0.4	1156882	100.45253
Mo 202.032	493.054	ppb	1.4372	0.3	3272.34	98.61071
Na 330.237	7373.25	ppb	84.7387	1.1	356.524	98.31001
Ni 231.604	2520.11	ppb	5.3945	0.2	6593.35	100.80459
Pb 220.353	498.996	ppb	6.9846	1.4	827.503	99.79919
Sb 206.834	950.210	ppb	7.2098	0.8	931.646	95.02103
Se 196.026	4981.06	ppb	8.2655	0.2	2449.34	99.62113
Sn 189.925	5064.69	ppb	20.7735	0.4	3935.43	101.29388
Sr 216.596	2494.27	ppb	2.9531	0.1	24255.0	99.77084
Ti 334.941	498.651	ppb	0.6684	0.1	131942	99.73019
Tl 190.794	5002.40	ppb	21.7367	0.4	3431.60	100.04802
V 292.401	5003.26	ppb	14.5305	0.3	140324	100.06525
Zn 206.200	2489.61	ppb	3.2320	0.1	3880.82	99.58427

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (CCB) 3/26/2013, 4:04:58 PM Rack 1, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1384u	0.3948	0.1703
Al 308.215	-3.2192u	-3.7153u	-2.3798u
As 188.980	0.7144	1.2983	-2.8899u
B 249.678	46.5895	40.4120	36.1893
Ba 389.178	0.1820	0.1739	-0.8132u
Be 313.042	0.0107	-0.0046u	-0.0031u
Ca 370.602	4.783	0.5418	-6.903u
Cd 226.502	-0.0480u	-0.1310u	-0.1448u
Co 228.615	0.0196	0.3911	0.0323
Cr 267.716	0.0241	0.1726	-0.0543u
Cu 324.754	0.4452	-0.0213u	-0.2607u
Fe 271.441	-1.3695u	0.1046	-3.4318u
K 766.491	-0.0352u	-0.1398u	0.4195
Mg 279.078	-0.7678u	0.1498	0.7788
Mn 257.610	0.1650	0.1402	0.1018
Mo 202.032	0.8314	1.2619	0.1466
Na 330.237	121.865	16.4669	-41.7395u
Ni 231.604	1.0716	0.0293	-2.5477u
Pb 220.353	0.9198	-1.8546u	-1.5989u
Sb 206.834	5.8112	1.7210	6.5178
Se 196.026	4.1882	3.8746	-0.4745u
Sn 189.925	2.6784	-1.8542u	2.5435
Sr 216.596	-0.0207u	-0.5559u	-0.2394u
Ti 334.941	0.1150	0.2284	0.0827
Tl 190.794	-1.8267u	5.1667	3.8172
V 292.401	0.4002	0.0659	-0.1310u
Zn 206.200	-1.3703u	-1.1863u	-0.0590u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1422	ppb	0.2677	188.3	-56.1998	0.14219
Al 308.215	-3.1048	ppb	0.6751	21.7	247.410	-3.10477
As 188.980	-0.2924	ppb	2.2684	775.8	-0.5903	-0.29240
B 249.678	41.0636	ppb	5.2306	12.7	583.388	41.06360
Ba 389.178	-0.1524	ppb	0.5722	375.4	-33.7950	-0.15242
Be 313.042	0.0010	ppb	0.0084	844.1	-208.773	0.00100
Ca 370.602	-0.5262	ppb	5.916	1124.3	-7.433	-0.52617
Cd 226.502	-0.1079	ppb	0.0523	48.5	7.0261	-0.10795
Co 228.615	0.1477	ppb	0.2109	142.8	13.5928	0.14765
Cr 267.716	0.0475	ppb	0.1152	242.8	4.7261	0.04747
Cu 324.754	0.0544	ppb	0.3590	659.9	112.965	0.05441
Fe 271.441	-1.5656	ppb	1.7763	113.5	1.0545	-1.56556
K 766.491	0.0815	ppb	0.2973	364.9	209.920	0.08150
Mg 279.078	0.0536	ppb	0.7778	1451.7	25.4461	0.05358
Mn 257.610	0.1357	ppb	0.0318	23.5	89.9548	0.13566
Mo 202.032	0.7466	ppb	0.5625	75.3	14.1656	0.74662
Na 330.237	32.1974	ppb	82.9288	257.6	1.6591	32.19741
Ni 231.604	-0.4823	ppb	1.8631	386.3	1.0585	-0.48228
Pb 220.353	-0.8446	ppb	1.5333	181.6	2.1240	-0.84457
Sb 206.834	4.6833	ppb	2.5896	55.3	5.8260	4.68333
Se 196.026	2.5294	ppb	2.6062	103.0	0.1043	2.52942
Sn 189.925	1.1226	ppb	2.5789	229.7	-0.4483	1.12257
Sr 216.596	-0.2720	ppb	0.2691	98.9	5.7395	-0.27203
Ti 334.941	0.1420	ppb	0.0765	53.9	-54.3166	0.14204
Tl 190.794	2.3857	ppb	3.7099	155.5	0.4157	2.38574
V 292.401	0.1117	ppb	0.2686	240.4	6.9324	0.11171
Zn 206.200	-0.8719	ppb	0.7099	141.4	0.9835	-0.87186

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88510-a-17-b (Samp) 3/26/2013, 4:10:22 PM Rack 1, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1684	0.1037	0.2575
Al 308.215	13.3441	13.4637	9.4836
As 188.980	-1.4287u	-4.1589u	-5.2051u
B 249.678	75.9003	76.8673	73.6883
Ba 389.178	-0.8419u	0.3152	-0.1335u
Be 313.042	-0.0149u	-0.0045u	-0.0034u
Ca 370.602	434.8	432.6	435.5
Cd 226.502	-0.0429u	-0.0837u	-0.1861u
Co 228.615	0.0790	0.7999	-0.2867u
Cr 267.716	0.2388	0.0476	0.2999
Cu 324.754	1.3944	2.4852	1.5606
Fe 271.441	7.3783	4.8415	7.2855
K 766.491	89.5513	92.0864	90.7490
Mg 279.078	100.464	100.959	104.488
Mn 257.610	0.0572	0.0818	0.0775
Mo 202.032	0.3708	-0.5445u	0.1822
Na 330.237	3660.95	3860.18	3682.32
Ni 231.604	-0.1979u	0.4194	-0.2295u
Pb 220.353	-1.7948u	0.1492	4.6539
Sb 206.834	-1.8282u	2.7947	1.1817
Se 196.026	15.7518	-3.4268u	2.0306
Sn 189.925	4.2917	0.2108	0.4637
Sr 216.596	0.9833	1.1203	0.9468
Ti 334.941	0.2802	0.2135	0.2788
Tl 190.794	-3.7086u	0.6150	-0.0194u
V 292.401	0.1064	-0.5318u	-0.0274u
Zn 206.200	1.1553	0.9755	2.3264

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1765	ppb	0.0773	43.8	-53.8365
Al 308.215	12.0971	ppb	2.2642	18.7	335.851
As 188.980	-3.5976	ppb	1.9498	54.2	-2.6320
B 249.678	75.4853	ppb	1.6296	2.2	908.313
Ba 389.178	-0.2201	ppb	0.5834	265.1	-35.1685
Be 313.042	-0.0076	ppb	0.0064	83.7	-225.825
Ca 370.602	434.3	ppb	1.508	0.3	1426
Cd 226.502	-0.1042	ppb	0.0738	70.8	7.1673
Co 228.615	0.1974	ppb	0.5529	280.1	14.2018
Cr 267.716	0.1955	ppb	0.1316	67.3	11.2526
Cu 324.754	1.8134	ppb	0.5877	32.4	199.627
Fe 271.441	6.5018	ppb	1.4385	22.1	14.6927
K 766.491	90.7956	ppb	1.2682	1.4	4779.44
Mg 279.078	101.970	ppb	2.1948	2.2	237.766
Mn 257.610	0.0722	ppb	0.0131	18.2	75.9133
Mo 202.032	0.0029	ppb	0.4833	16935.2	9.2299
Na 330.237	3734.48	ppb	109.376	2.9	192.723
Ni 231.604	-0.0027	ppb	0.3659	13693.2	2.3130
Pb 220.353	1.0027	ppb	3.3080	329.9	5.1756
Sb 206.834	0.7161	ppb	2.3463	327.7	2.1349
Se 196.026	4.7852	ppb	9.8816	206.5	1.2135
Sn 189.925	1.6554	ppb	2.2866	138.1	-0.0328
Sr 216.596	1.0168	ppb	0.0915	9.0	18.3525
Ti 334.941	0.2575	ppb	0.0381	14.8	-23.5895
Tl 190.794	-1.0377	ppb	2.3347	225.0	-1.9363
V 292.401	-0.1509	ppb	0.3366	223.0	-0.3650
Zn 206.200	1.4857	ppb	0.7336	49.4	4.6702

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680-88510-a-17-bSD^5 (Samp) 3/26/2013, 4:15:46 PM Rack 1, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1583u	0.2257	0.4018
Al 308.215	1.2939	-1.1623u	0.2895
As 188.980	-2.3006u	-2.8163u	0.0873
B 249.678	10.0245	9.0045	8.1106
Ba 389.178	-0.3037u	0.5160	0.0187
Be 313.042	-0.0057u	-0.0199u	-0.0195u
Ca 370.602	96.05	92.36	89.41
Cd 226.502	0.0248	0.0296	-0.0262u
Co 228.615	0.3905	0.0842	0.9237
Cr 267.716	-0.5498u	0.2367	-0.0313u
Cu 324.754	0.0896	0.4181	0.8410
Fe 271.441	-0.7864u	-0.7562u	-1.5862u
K 766.491	19.0088	18.8209	18.5195
Mg 279.078	21.9588	23.0871	18.8729
Mn 257.610	0.0096	-0.0103u	0.0393
Mo 202.032	-0.1063u	-0.5563u	-0.5257u
Na 330.237	657.855	832.977	939.406
Ni 231.604	-2.1581u	-1.6197u	-0.2231u
Pb 220.353	-1.1123u	2.5709	-0.7492u
Sb 206.834	2.0721	0.2854	7.3683
Se 196.026	1.3074	-2.8536u	2.3326
Sn 189.925	1.7329	2.2952	1.1685
Sr 216.596	-0.1801u	0.3656	0.6661
Ti 334.941	0.0088	0.0360	0.0767
Tl 190.794	0.9705	-0.1390u	-0.6120u
V 292.401	-0.0152u	-0.3289u	0.1072
Zn 206.200	0.1320	-0.3985u	0.0079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1564	ppb	0.2864	183.1	-55.2164
Al 308.215	0.1403	ppb	1.2349	879.9	266.160
As 188.980	-1.6765	ppb	1.5491	92.4	-1.4459
B 249.678	9.0465	ppb	0.9577	10.6	281.149
Ba 389.178	0.0770	ppb	0.4130	536.5	-28.0669
Be 313.042	-0.0150	ppb	0.0081	53.8	-240.148
Ca 370.602	92.61	ppb	3.327	3.6	299.1
Cd 226.502	0.0094	ppb	0.0309	330.2	11.4476
Co 228.615	0.4661	ppb	0.4249	91.1	17.3687
Cr 267.716	-0.1148	ppb	0.3998	348.4	-2.3421
Cu 324.754	0.4495	ppb	0.3767	83.8	132.409
Fe 271.441	-1.0429	ppb	0.4707	45.1	1.8245
K 766.491	18.7830	ppb	0.2468	1.3	1151.97
Mg 279.078	21.3063	ppb	2.1816	10.2	69.7238
Mn 257.610	0.0129	ppb	0.0250	193.9	61.8129
Mo 202.032	-0.3961	ppb	0.2514	63.5	6.5823
Na 330.237	810.079	ppb	142.165	17.5	41.8050
Ni 231.604	-1.3337	ppb	0.9987	74.9	-1.1680
Pb 220.353	0.2364	ppb	2.0298	858.5	3.9110
Sb 206.834	3.2419	ppb	3.6835	113.6	4.4937
Se 196.026	0.2621	ppb	2.7466	1047.8	-1.0105
Sn 189.925	1.7322	ppb	0.5634	32.5	0.0258
Sr 216.596	0.2839	ppb	0.4290	151.1	11.2159
Ti 334.941	0.0405	ppb	0.0342	84.4	-81.1672
Tl 190.794	0.0732	ppb	0.8123	1110.3	-1.1730
V 292.401	-0.0790	ppb	0.2249	284.8	1.7963
Zn 206.200	-0.0862	ppb	0.2775	143.8	2.2128

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88510-a-17-bPDS (Samp) 3/26/2013, 4:21:21 PM Rack 1, Tube 17**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.2019	50.6525	51.7252
Al 308.215	1989.72	1993.70	1981.51
As 188.980	2190.80	2201.81	2186.42
B 249.678	1121.56	1132.89	1133.47
Ba 389.178	2095.05	2102.96	2092.05
Be 313.042	51.5336	51.7468	51.4841
Ca 370.602	5517	5536	5516
Cd 226.502	51.4274	51.8259	51.3622
Co 228.615	522.862	523.876	517.958
Cr 267.716	204.976	205.368	204.391
Cu 324.754	260.584	260.185	263.183
Fe 271.441	1032.34	1043.34	1033.51
K 766.491	5381.09	5401.42	5397.39
Mg 279.078	5304.63	5323.60	5283.91
Mn 257.610	525.219	527.200	524.519
Mo 202.032	522.179	525.036	522.303
Na 330.237	8808.66	8821.28	8637.41
Ni 231.604	511.489	518.390	514.163
Pb 220.353	507.005	515.708	511.450
Sb 206.834	499.726	507.277	502.612
Se 196.026	2043.29	2065.50	2046.15
Sn 189.925	1062.00	1054.87	1049.38
Sr 216.596	535.480	536.423	533.831
Ti 334.941	1036.67	1040.64	1035.50
Tl 190.794	2128.34	2130.53	2116.33
V 292.401	516.809	519.412	515.631
Zn 206.200	506.039	504.178	504.582

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1932	ppb	0.5364	1.0	3518.21
Al 308.215	1988.31	ppb	6.2155	0.3	11904.7
As 188.980	2193.01	ppb	7.9261	0.4	1356.61
B 249.678	1129.31	ppb	6.7150	0.6	10855.2
Ba 389.178	2096.69	ppb	5.6332	0.3	51760.7
Be 313.042	51.5882	ppb	0.1396	0.3	100950
Ca 370.602	5523	ppb	11.11	0.2	18335
Cd 226.502	51.5385	ppb	0.2510	0.5	1951.22
Co 228.615	521.565	ppb	3.1652	0.6	6149.19
Cr 267.716	204.912	ppb	0.4920	0.2	8947.69
Cu 324.754	261.317	ppb	1.6280	0.6	12996.2
Fe 271.441	1036.40	ppb	6.0398	0.6	1851.77
K 766.491	5393.30	ppb	10.7655	0.2	271881
Mg 279.078	5304.05	ppb	19.8494	0.4	11066.5
Mn 257.610	525.646	ppb	1.3903	0.3	121155
Mo 202.032	523.173	ppb	1.6146	0.3	3480.12
Na 330.237	8755.78	ppb	102.709	1.2	439.699
Ni 231.604	514.681	ppb	3.4796	0.7	1348.40
Pb 220.353	511.388	ppb	4.3519	0.9	846.724
Sb 206.834	503.205	ppb	3.8101	0.8	466.684
Se 196.026	2051.65	ppb	12.0817	0.6	1007.80
Sn 189.925	1055.42	ppb	6.3242	0.6	819.053
Sr 216.596	535.245	ppb	1.3122	0.2	5198.56
Ti 334.941	1037.60	ppb	2.6945	0.3	274625
Tl 190.794	2125.07	ppb	7.6441	0.4	1458.19
V 292.401	517.284	ppb	1.9350	0.4	14451.7
Zn 206.200	504.933	ppb	0.9791	0.2	791.421

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88468-a-1-e (Samp) 3/26/2013, 4:26:47 PM Rack 1, Tube 18
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3653u	-1.4058u	0.0683u
Al 308.215	5.4178	6.4323	4.0451
As 188.980	-4.9187u	-3.5879u	0.7452
B 249.678	92.9216	90.8867	87.6137
Ba 389.178	43.3899	44.0309	42.4392
Be 313.042	0.1895u	0.1972u	0.1962u
Ca 370.602	21723	21713	21674
Cd 226.502	0.4055u	0.4936u	0.2341u
Co 228.615	0.5223	-0.1743u	0.4134
Cr 267.716	-1.7936u	-2.2300u	-1.8129u
Cu 324.754	1.0177	0.7222	0.8456
Fe 271.441	17.6748	16.5680	21.5359
K 766.491	4239.72	4251.22	4247.52
Mg 279.078	2002.32	2003.50	2002.01
Mn 257.610	19.6871	19.6242	19.6053
Mo 202.032	2.4370	1.6255	2.3751
Na 330.237	3752300x	3756904x	3774358x
Ni 231.604	-1.1538u	0.8611	0.2933
Pb 220.353	-2.6747u	1.5857	0.0340
Sb 206.834	4.1168	1.2496	-3.9134u
Se 196.026	14.6669	4.9858	13.2473
Sn 189.925	0.1294	3.6409	-1.9994u
Sr 216.596	1679.78	1674.13	1674.96
Ti 334.941	1.1231	1.1773	1.1267
Tl 190.794	3.7737	0.1022	0.6776
V 292.401	1.4177	1.3527	1.4492
Zn 206.200	21.3550	22.5477	20.3178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3240b	ppb	0.9485	292.7	-159.830
Al 308.215	5.2984b	ppb	1.1980	22.6	296.593
As 188.980	-2.5872b	ppb	2.9616	114.5	-1.8308
B 249.678	90.4740b	ppb	2.6779	3.0	1049.80
Ba 389.178	43.2867b	ppb	0.8009	1.9	1044.43
Be 313.042	0.1943b	ppb	0.0042	2.2	-282.242
Ca 370.602	21703b	ppb	26.15	0.1	71564
Cd 226.502	0.3777b	ppb	0.1320	34.9	3.8799
Co 228.615	0.2538b	ppb	0.3747	147.6	14.7754
Cr 267.716	-1.9455b	ppb	0.2466	12.7	-20.4286
Cu 324.754	0.8618b	ppb	0.1484	17.2	152.806
Fe 271.441	18.5929b	ppb	2.6081	14.0	35.2980
K 766.491	4246.16b	ppb	5.8713	0.1	214096
Mg 279.078	2002.61b	ppb	0.7862	0.0	4197.03
Mn 257.610	19.6389b	ppb	0.0428	0.2	4572.65
Mo 202.032	2.1459b	ppb	0.4518	21.1	23.4498
Na 330.237	3761187xb	ppb	11635.9	0.3	194123
Ni 231.604	0.0002b	ppb	1.0389	530766.0	2.3208
Pb 220.353	-0.3517b	ppb	2.1562	613.2	2.9397
Sb 206.834	0.4843b	ppb	4.0694	840.2	1.8771
Se 196.026	10.9667b	ppb	5.2280	47.7	4.2579
Sn 189.925	0.5903b	ppb	2.8483	482.5	0.4133
Sr 216.596	1676.29b	ppb	3.0481	0.2	16340.7
Ti 334.941	1.1424b	ppb	0.0303	2.7	-61.9109
Tl 190.794	1.5178b	ppb	1.9747	130.1	-0.2015
V 292.401	1.4065b	ppb	0.0492	3.5	12.0784
Zn 206.200	21.4068b	ppb	1.1458	5.2	35.8288

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680-88468-a-1-f ms (Samp) **3/26/2013, 4:32:12 PM** **Rack 1, Tube 19****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	84.7823	85.1230	85.0668
Al 308.215	791.938	789.260	793.220
As 188.980	86.1941	91.5019	88.0090
B 249.678	211.793	212.201	213.137
Ba 389.178	106.492	106.103	107.691
Be 313.042	78.4879	78.3070	78.5019
Ca 370.602	23837	23790	23831
Cd 226.502	77.1942	77.2369	77.2972
Co 228.615	74.5460	74.4384	74.5407
Cr 267.716	73.6259	73.8105	73.3569
Cu 324.754	79.1170	78.7987	78.3150
Fe 271.441	7456.10	7434.85	7462.18
K 766.491	17370.4	17402.0	17454.0
Mg 279.078	8817.86	8793.65	8800.06
Mn 257.610	780.449	779.727	779.955
Mo 202.032	77.0068	77.0285	76.4558
Na 330.237	2935819x	2926136x	2935919x
Ni 231.604	73.3283	76.4835	73.3809
Pb 220.353	73.2389	74.7212	75.1478
Sb 206.834	75.5814	79.4008	83.7891
Se 196.026	103.860	91.2509	92.5807
Sn 189.925	70.0625	74.9151	75.1777
Sr 216.596	1361.71	1358.71	1359.25
Ti 334.941	75.4787	75.3939	75.5419
Tl 190.794	13.3199	16.0962	13.3854
V 292.401	77.5423	77.1841	77.6971
Zn 206.200	99.2143	97.4249	97.4277

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	84.9907b	ppb	0.1827	0.2	5859.90
Al 308.215	791.473b	ppb	2.0206	0.3	4883.15
As 188.980	88.5684b	ppb	2.6977	3.0	54.5018
B 249.678	212.377b	ppb	0.6888	0.3	2193.55
Ba 389.178	106.762b	ppb	0.8280	0.8	2642.55
Be 313.042	78.4323b	ppb	0.1087	0.1	153382
Ca 370.602	23819b	ppb	25.60	0.1	77952
Cd 226.502	77.2428b	ppb	0.0518	0.1	2916.46
Co 228.615	74.5084b	ppb	0.0606	0.1	886.571
Cr 267.716	73.5978b	ppb	0.2281	0.3	3267.28
Cu 324.754	78.7436b	ppb	0.4038	0.5	3993.86
Fe 271.441	7451.04b	ppb	14.3489	0.2	12687.2
K 766.491	17408.8b	ppb	42.2331	0.2	877134
Mg 279.078	8803.85b	ppb	12.5450	0.1	18355.0
Mn 257.610	780.044b	ppb	0.3688	0.0	179767
Mo 202.032	76.8304b	ppb	0.3246	0.4	518.594
Na 330.237	2932625xb	ppb	5619.50	0.2	151356
Ni 231.604	74.3975b	ppb	1.8067	2.4	197.048
Pb 220.353	74.3693b	ppb	1.0020	1.3	126.327
Sb 206.834	79.5904b	ppb	4.1071	5.2	76.1590
Se 196.026	95.8972b	ppb	6.9280	7.2	46.2489
Sn 189.925	73.3851b	ppb	2.8805	3.9	56.7174
Sr 216.596	1359.89b	ppb	1.5976	0.1	13257.7
Ti 334.941	75.4715b	ppb	0.0743	0.1	19707.9
Tl 190.794	14.2672b	ppb	1.5843	11.1	7.5593
V 292.401	77.4745b	ppb	0.2631	0.3	2140.03
Zn 206.200	98.0223b	ppb	1.0323	1.1	155.423

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680-88468-a-1-g msd (Samp) **3/26/2013, 4:37:37 PM** **Rack 1, Tube 20****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	87.1772	86.3779	87.2319
Al 308.215	809.977	808.554	804.796
As 188.980	88.5626	98.9252	88.8084
B 249.678	216.149	218.305	217.167
Ba 389.178	109.547	109.427	110.479
Be 313.042	80.1526	79.8798	80.0171
Ca 370.602	24698	24669	24668
Cd 226.502	79.2902	79.0383	79.0053
Co 228.615	75.5639	76.1715	76.5208
Cr 267.716	75.1976	74.6725	74.2464
Cu 324.754	80.4190	80.3003	80.1697
Fe 271.441	7618.68	7590.97	7588.18
K 766.491	18013.8	17984.9	18017.0
Mg 279.078	9022.69	9014.77	8997.35
Mn 257.610	797.865	795.505	796.436
Mo 202.032	79.3666	78.1875	78.0353
Na 330.237	3072327x	3064582x	3052240x
Ni 231.604	77.9146	77.1099	76.6909
Pb 220.353	73.5829	73.3776	74.6398
Sb 206.834	77.5572	86.2260	81.5097
Se 196.026	100.658	97.8681	96.0033
Sn 189.925	75.9305	76.0312	74.8042
Sr 216.596	1415.71	1414.16	1414.80
Ti 334.941	76.8401	76.9256	76.8508
Tl 190.794	16.6785	19.5026	15.6531
V 292.401	79.1048	78.9230	78.9887
Zn 206.200	97.3146	98.5698	100.554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	86.9290b	ppb	0.4781	0.5	5993.82
Al 308.215	807.776b	ppb	2.6767	0.3	4978.31
As 188.980	92.0987b	ppb	5.9132	6.4	56.6918
B 249.678	217.207b	ppb	1.0785	0.5	2239.00
Ba 389.178	109.818b	ppb	0.5758	0.5	2718.83
Be 313.042	80.0165b	ppb	0.1364	0.2	156476
Ca 370.602	24678b	ppb	17.16	0.1	80771
Cd 226.502	79.1113b	ppb	0.1558	0.2	2986.33
Co 228.615	76.0854b	ppb	0.4842	0.6	905.070
Cr 267.716	74.7055b	ppb	0.4765	0.6	3317.86
Cu 324.754	80.2963b	ppb	0.1247	0.2	4070.46
Fe 271.441	7599.28b	ppb	16.8624	0.2	12939.5
K 766.491	18005.2b	ppb	17.6868	0.1	907178
Mg 279.078	9011.60b	ppb	12.9604	0.1	18787.6
Mn 257.610	796.602b	ppb	1.1890	0.1	183582
Mo 202.032	78.5298b	ppb	0.7287	0.9	529.862
Na 330.237	3063049xb	ppb	10130.6	0.3	158087
Ni 231.604	77.2385b	ppb	0.6219	0.8	204.481
Pb 220.353	73.8668b	ppb	0.6773	0.9	125.496
Sb 206.834	81.7643b	ppb	4.3400	5.3	78.1910
Se 196.026	98.1764b	ppb	2.3424	2.4	47.3745
Sn 189.925	75.5886b	ppb	0.6812	0.9	58.4746
Sr 216.596	1414.89b	ppb	0.7746	0.1	13793.5
Ti 334.941	76.8721b	ppb	0.0466	0.1	20069.8
Tl 190.794	17.2781b	ppb	1.9936	11.5	9.6060
V 292.401	79.0055b	ppb	0.0921	0.1	2181.59
Zn 206.200	98.8127b	ppb	1.6332	1.7	156.655

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mb 680-270651/1-a (Samp) **3/26/2013, 4:43:02 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4119u	0.3387	-0.4351u
Al 308.215	-4.0895u	-3.0688u	-2.1405u
As 188.980	0.7186	0.5516	3.2663
B 249.678	-5.2245u	-7.4391u	-7.7279u
Ba 389.178	-0.6788u	-0.4746u	0.1927
Be 313.042	-0.0177u	-0.0169u	-0.0134u
Ca 370.602	-0.4205u	6.715	-1.957u
Cd 226.502	-0.1551u	0.0071	-0.0467u
Co 228.615	-0.3006u	0.2245	0.5061
Cr 267.716	-0.0995u	0.0236	0.1460
Cu 324.754	0.3739	0.3784	0.0948
Fe 271.441	2.0211	6.1870	-3.0507u
K 766.491	0.4158	0.0761	0.1524
Mg 279.078	0.3168	-2.9406u	-1.3575u
Mn 257.610	-0.1071u	-0.0866u	-0.0758u
Mo 202.032	-0.1643u	0.9002	-0.2398u
Na 330.237	164.981	-196.086u	11.1612
Ni 231.604	1.1358	0.2915	0.0442
Pb 220.353	-4.6139u	-3.2301u	-1.0199u
Sb 206.834	-0.3332u	-0.5172u	-4.1464u
Se 196.026	0.6151	2.3129	4.3691
Sn 189.925	4.5295	0.0176	1.2453
Sr 216.596	-0.2395u	0.4300	-0.1724u
Ti 334.941	0.1520	0.0644	-0.0009u
Tl 190.794	-0.2600u	-5.8570u	-3.4262u
V 292.401	-0.2708u	-0.2808u	-0.0489u
Zn 206.200	0.1506	0.1805	0.8885

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1694	ppb	0.4402	259.8	-78.1323
Al 308.215	-3.0996	ppb	0.9748	31.5	247.396
As 188.980	1.5122	ppb	1.5214	100.6	0.5265
B 249.678	-6.7972	ppb	1.3696	20.1	131.589
Ba 389.178	-0.3203	ppb	0.4558	142.3	-37.9371
Be 313.042	-0.0160	ppb	0.0023	14.5	-242.041
Ca 370.602	1.446	ppb	4.627	320.1	-1.390
Cd 226.502	-0.0649	ppb	0.0826	127.3	8.6572
Co 228.615	0.1433	ppb	0.4094	285.7	13.5511
Cr 267.716	0.0234	ppb	0.1227	524.8	3.6769
Cu 324.754	0.2824	ppb	0.1624	57.5	124.194
Fe 271.441	1.7191	ppb	4.6262	269.1	6.5221
K 766.491	0.2148	ppb	0.1782	83.0	216.633
Mg 279.078	-1.3271	ppb	1.6289	122.7	22.5743
Mn 257.610	-0.0898	ppb	0.0159	17.7	38.0354
Mo 202.032	0.1653	ppb	0.6375	385.6	10.3084
Na 330.237	-6.6480	ppb	181.191	2725.5	-0.3534
Ni 231.604	0.4905	ppb	0.5724	116.7	3.6027
Pb 220.353	-2.9546	ppb	1.8127	61.4	-1.3600
Sb 206.834	-1.6656	ppb	2.1504	129.1	-0.0931
Se 196.026	2.4324	ppb	1.8798	77.3	0.0566
Sn 189.925	1.9308	ppb	2.3328	120.8	0.1799
Sr 216.596	0.0060	ppb	0.3687	6097.6	8.4493
Ti 334.941	0.0718	ppb	0.0767	106.8	-72.9001
Tl 190.794	-3.1811	ppb	2.8066	88.2	-3.4085
V 292.401	-0.2002	ppb	0.1311	65.5	-1.7571
Zn 206.200	0.4066	ppb	0.4176	102.7	2.9833

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ics 680-270651/2-a (Samp) 3/26/2013, 4:48:27 PM Rack 1, Tube 22
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	117.795	117.284	117.349
Al 308.215	10008.9	9969.86	9993.86
As 188.980	207.283	192.065	193.534
B 249.678	400.508	400.991	406.435
Ba 389.178	205.899	203.889	205.768
Be 313.042	103.122	102.881	103.142
Ca 370.602	9855	9822	9850
Cd 226.502	105.028	104.039	104.431
Co 228.615	103.356	102.965	103.395
Cr 267.716	201.475	201.536	201.948
Cu 324.754	200.425	200.658	199.134
Fe 271.441	10069.0	10038.2	10091.7
K 766.491	10445.9	10398.7	10455.3
Mg 279.078	10280.3	10243.5	10280.9
Mn 257.610	1039.24	1035.53	1038.71
Mo 202.032	187.402	188.161	191.545
Na 330.237	9790.60	9887.97	10183.8
Ni 231.604	206.924	207.881	203.816
Pb 220.353	105.643	101.109	103.278
Sb 206.834	91.5146	92.2360	87.6923
Se 196.026	205.787	198.950	197.124
Sn 189.925	342.428	336.556	330.576
Sr 216.596	208.102	207.719	207.529
Ti 334.941	197.162	197.179	198.151
Tl 190.794	91.3145	89.4545	86.4949
V 292.401	200.320	200.745	200.767
Zn 206.200	206.381	206.758	205.083

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	117.476	ppb	0.2779	0.2	8195.96
Al 308.215	9990.87	ppb	19.6818	0.2	58464.7
As 188.980	197.627	ppb	8.3940	4.2	121.820
B 249.678	402.644	ppb	3.2912	0.8	3987.17
Ba 389.178	205.185	ppb	1.1246	0.5	5081.71
Be 313.042	103.048	ppb	0.1454	0.1	202034
Ca 370.602	9842	ppb	17.81	0.2	31673
Cd 226.502	104.499	ppb	0.4980	0.5	3964.18
Co 228.615	103.239	ppb	0.2376	0.2	1223.68
Cr 267.716	201.653	ppb	0.2574	0.1	8810.28
Cu 324.754	200.072	ppb	0.8206	0.4	9974.92
Fe 271.441	10066.3	ppb	26.8243	0.3	17140.4
K 766.491	10433.3	ppb	30.3338	0.3	525760
Mg 279.078	10268.2	ppb	21.4122	0.2	21399.3
Mn 257.610	1037.83	ppb	2.0071	0.2	239170
Mo 202.032	189.036	ppb	2.2060	1.2	1262.87
Na 330.237	9954.14	ppb	204.801	2.1	507.636
Ni 231.604	206.207	ppb	2.1250	1.0	541.830
Pb 220.353	103.343	ppb	2.2674	2.2	173.841
Sb 206.834	90.4810	ppb	2.4419	2.7	86.3367
Se 196.026	200.620	ppb	4.5665	2.3	97.8203
Sn 189.925	336.520	ppb	5.9260	1.8	260.261
Sr 216.596	207.783	ppb	0.2921	0.1	2027.87
Ti 334.941	197.497	ppb	0.5660	0.3	52238.3
Tl 190.794	89.0880	ppb	2.4306	2.7	58.6241
V 292.401	200.611	ppb	0.2518	0.1	5598.79
Zn 206.200	206.074	ppb	0.8786	0.4	324.023

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ics 680-270651/3-a (Samp) 3/26/2013, 4:53:53 PM Rack 1, Tube 23
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	339.084	336.189	338.514
Al 308.215	4005.04	4000.49	4006.19
As 188.980	407.885	405.337	408.698
B 249.678	804.915	812.188	817.867
Ba 389.178	397.655	396.523	397.100
Be 313.042	397.639	396.385	398.298
Ca 370.602	39264	39279	39384
Cd 226.502	401.995	401.716	401.964
Co 228.615	404.362	400.739	398.759
Cr 267.716	395.912	396.474	397.263
Cu 324.754	403.211	399.973	401.494
Fe 271.441	41694.7	41592.1	41694.0
K 766.491	42623.7x	42294.8x	42435.0x
Mg 279.078	40695.2	40636.9	40807.6
Mn 257.610	3987.21	3985.58	3990.25
Mo 202.032	360.485	363.914	365.871
Na 330.237	37659.9	37485.9	37802.3
Ni 231.604	405.139	402.795	402.616
Pb 220.353	403.287	403.674	402.712
Sb 206.834	218.062	226.426	243.517
Se 196.026	369.714	371.697	381.525
Sn 189.925	270.497	279.738	277.599
Sr 216.596	428.087	426.776	427.478
Ti 334.941	384.718	385.540	386.945
Tl 190.794	92.8960	89.9949	97.4403
V 292.401	398.469	397.515	398.880
Zn 206.200	381.885	381.811	385.359

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	337.929b	ppb	1.5335	0.5	23710.7
Al 308.215	4003.91b	ppb	3.0111	0.1	23622.0
As 188.980	407.307b	ppb	1.7538	0.4	251.456
B 249.678	811.657b	ppb	6.4923	0.8	7818.42
Ba 389.178	397.093b	ppb	0.5662	0.1	9954.61
Be 313.042	397.440b	ppb	0.9718	0.2	779882
Ca 370.602	39309b	ppb	65.55	0.2	126301
Cd 226.502	401.891b	ppb	0.1530	0.0	15221.5
Co 228.615	401.287b	ppb	2.8414	0.7	4724.13
Cr 267.716	396.550b	ppb	0.6788	0.2	17333.6
Cu 324.754	401.560b	ppb	1.6203	0.4	19915.2
Fe 271.441	41660.3b	ppb	59.0599	0.1	70917.4
K 766.491	42451.2xb	ppb	165.028	0.4	2138588
Mg 279.078	40713.2b	ppb	86.7447	0.2	84785.8
Mn 257.610	3987.68b	ppb	2.3691	0.1	918819
Mo 202.032	363.423b	ppb	2.7262	0.8	2418.34
Na 330.237	37649.4b	ppb	158.485	0.4	1924.73
Ni 231.604	403.517b	ppb	1.4080	0.3	1058.51
Pb 220.353	403.224b	ppb	0.4841	0.1	669.403
Sb 206.834	229.335b	ppb	12.9747	5.7	218.263
Se 196.026	374.312b	ppb	6.3251	1.7	184.134
Sn 189.925	275.945b	ppb	4.8374	1.8	213.196
Sr 216.596	427.447b	ppb	0.6556	0.2	4173.52
Ti 334.941	385.734b	ppb	1.1262	0.3	102204
Tl 190.794	93.4437b	ppb	3.7528	4.0	57.6558
V 292.401	398.288b	ppb	0.7000	0.2	11114.7
Zn 206.200	383.018b	ppb	2.0273	0.5	609.159

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lb 680-270112/21-c (Samp) 3/26/2013, 4:59:20 PM Rack 1, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.4250	2.2937	1.8027
Al 308.215	3.2845	-2.9548u	-1.0835u
As 188.980	0.1740	-3.2168u	1.3111
B 249.678	58.7042	57.1604	56.9540
Ba 389.178	0.4017	0.2854	0.7163
Be 313.042	0.0095	-0.0012u	-0.0007u
Ca 370.602	376.6	377.0	381.0
Cd 226.502	-0.0740u	-0.1089u	-0.1746u
Co 228.615	1.0007	0.2349	-0.3763u
Cr 267.716	-0.0064	0.2429	0.2981
Cu 324.754	0.9102	0.2883	0.7052
Fe 271.441	5.6496	11.8110	8.2865
K 766.491	94.6617	94.6800	96.6046
Mg 279.078	77.5308	73.5462	78.1149
Mn 257.610	0.0951	0.0884	0.1181
Mo 202.032	2.6992	3.3662	2.8832
Na 330.237	119186x	120830x	122670x
Ni 231.604	-0.0519u	0.0918	0.6529
Pb 220.353	0.1517	-1.2880u	0.3811
Sb 206.834	5.6453	4.8451	3.6722
Se 196.026	13.8872	2.5587	8.3285
Sn 189.925	8.0746	5.8053	3.7475
Sr 216.596	0.5960	0.3383	0.6712
Ti 334.941	0.7154	0.5719	0.6455
Tl 190.794	0.5781	2.2328	1.4381
V 292.401	0.3367	-0.0010u	0.2551
Zn 206.200	1.6829	1.6354	2.1358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8405b	ppb	0.4356	23.7	63.2618
Al 308.215	-0.2513b	ppb	3.2018	1274.2	264.324
As 188.980	-0.5772b	ppb	2.3556	408.1	-0.7642
B 249.678	57.6062b	ppb	0.9565	1.7	739.534
Ba 389.178	0.4678b	ppb	0.2229	47.7	-18.2324
Be 313.042	0.0026b	ppb	0.0061	237.6	-220.750
Ca 370.602	378.2b	ppb	2.447	0.6	1240
Cd 226.502	-0.1192b	ppb	0.0510	42.8	5.9476
Co 228.615	0.2864b	ppb	0.6899	240.9	15.1559
Cr 267.716	0.1782b	ppb	0.1622	91.0	12.4243
Cu 324.754	0.6346b	ppb	0.3169	49.9	141.618
Fe 271.441	8.5824b	ppb	3.0913	36.0	18.2296
K 766.491	95.3154b	ppb	1.1165	1.2	5007.11
Mg 279.078	76.3973b	ppb	2.4864	3.3	184.494
Mn 257.610	0.1005b	ppb	0.0156	15.5	81.6758
Mo 202.032	2.9829b	ppb	0.3445	11.5	29.0048
Na 330.237	120895xb	ppb	1743.04	1.4	6239.64
Ni 231.604	0.2309b	ppb	0.3724	161.3	2.9240
Pb 220.353	-0.2517b	ppb	0.9047	359.4	3.1000
Sb 206.834	4.7209b	ppb	0.9924	21.0	5.8340
Se 196.026	8.2581b	ppb	5.6646	68.6	2.9212
Sn 189.925	5.8758b	ppb	2.1644	36.8	3.2872
Sr 216.596	0.5352b	ppb	0.1746	32.6	13.5550
Ti 334.941	0.6443b	ppb	0.0717	11.1	69.9302
Tl 190.794	1.4163b	ppb	0.8275	58.4	-0.2515
V 292.401	0.1969b	ppb	0.1762	89.5	7.8946
Zn 206.200	1.8180b	ppb	0.2762	15.2	5.1903

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Cont Calib Verif (CCV) 3/26/2013, 5:04:44 PM Rack 1, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	513.596	512.754	508.535
Al 308.215	5069.11	5046.54	5043.41
As 188.980	465.413	473.101	464.473
B 249.678	2553.28	2561.19	2586.02
Ba 389.178	5038.50	5005.53	5002.84
Be 313.042	501.731	498.032	498.779
Ca 370.602	5032	4984	4989
Cd 226.502	496.391	494.613	495.258
Co 228.615	504.312	502.472	501.760
Cr 267.716	4957.40	4918.54	4931.80
Cu 324.754	4874.38	4904.07	4945.61
Fe 271.441	5066.02	5037.63	5046.88
K 766.491	10147.7	9904.55	10017.5
Mg 279.078	5011.21	4982.10	4987.74
Mn 257.610	5033.68	5013.61	5016.45
Mo 202.032	513.581	505.116	503.095
Na 330.237	6908.90	6852.35	7178.45
Ni 231.604	2527.31	2515.25	2517.07
Pb 220.353	497.883	496.580	491.064
Sb 206.834	983.899	984.152	967.308
Se 196.026	4995.43	4979.97	4971.52
Sn 189.925	5244.95	5171.64	5175.99
Sr 216.596	2508.03	2480.98	2482.83
Ti 334.941	507.617	501.509	500.857
Tl 190.794	5028.29	4992.81	4984.44
V 292.401	5027.45	5000.41	4996.91
Zn 206.200	2481.16	2485.57	2488.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	511.628	ppb	2.7116	0.5	35875.8	102.32567
Al 308.215	5053.02	ppb	14.0196	0.3	29667.7	101.06038
As 188.980	467.662	ppb	4.7332	1.0	288.854	93.53246
B 249.678	2566.83	ppb	17.0844	0.7	24421.2	102.67323
Ba 389.178	5015.62	ppb	19.8577	0.4	123849	100.31244
Be 313.042	499.514	ppb	1.9561	0.4	980047	99.90277
Ca 370.602	5002	ppb	26.60	0.5	16350	100.03613
Cd 226.502	495.421	ppb	0.9000	0.2	18647.6	99.08414
Co 228.615	502.848	ppb	1.3172	0.3	5928.27	100.56963
Cr 267.716	4935.91	ppb	19.7572	0.4	215461	98.71825
Cu 324.754	4908.02	ppb	35.7799	0.7	241918	98.16042
Fe 271.441	5050.18	ppb	14.4773	0.3	8716.06	101.00356
K 766.491	10023.3	ppb	121.681	1.2	505105	100.23257
Mg 279.078	4993.68	ppb	15.4382	0.3	10348.6	99.87367
Mn 257.610	5021.25	ppb	10.8630	0.2	1156564	100.42496
Mo 202.032	507.264	ppb	5.5629	1.1	3366.64	101.45277
Na 330.237	6979.90	ppb	174.257	2.5	336.210	93.06534
Ni 231.604	2519.88	ppb	6.4993	0.3	6592.72	100.79506
Pb 220.353	495.176	ppb	3.6198	0.7	821.173	99.03516
Sb 206.834	978.453	ppb	9.6528	1.0	957.719	97.84528
Se 196.026	4982.31	ppb	12.1260	0.2	2449.95	99.64619
Sn 189.925	5197.53	ppb	41.1263	0.8	4038.68	103.95051
Sr 216.596	2490.61	ppb	15.1154	0.6	24218.9	99.62447
Ti 334.941	503.328	ppb	3.7291	0.7	133181	100.66557
Tl 190.794	5001.85	ppb	23.2793	0.5	3431.21	100.03690
V 292.401	5008.25	ppb	16.7113	0.3	140462	100.16510
Zn 206.200	2484.94	ppb	3.5081	0.1	3873.56	99.39747

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Cont Calib Blank (CCB) 3/26/2013, 5:10:08 PM Rack 1, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.9689	0.2155	0.5407
Al 308.215	-1.3639u	1.0316	-3.6689u
As 188.980	0.0899	5.4432	1.8899
B 249.678	48.2464	43.2906	37.1806
Ba 389.178	-0.1541u	0.2786	1.3859
Be 313.042	0.0054	0.0121	0.0395
Ca 370.602	3.439	5.834	2.079
Cd 226.502	0.0593	0.1917	-0.0489u
Co 228.615	0.3204	0.0249	0.5088
Cr 267.716	0.2414	0.1549	0.3194
Cu 324.754	-0.5561u	0.0182	-0.3873u
Fe 271.441	0.6689	3.0072	-2.6596u
K 766.491	0.2993	0.5077	1.2049
Mg 279.078	-1.9814u	-2.1025u	2.7897
Mn 257.610	0.3010	0.2879	0.6121
Mo 202.032	-0.2776u	0.5626	0.2343
Na 330.237	-316.408u	-8.6040u	268.662
Ni 231.604	0.6985	-0.3164u	0.1191
Pb 220.353	-2.1126u	-1.9016u	-1.3580u
Sb 206.834	9.0834	4.5103	8.0543
Se 196.026	3.6579	5.1580	0.6696
Sn 189.925	2.3795	2.6500	2.9875
Sr 216.596	0.2224	0.2131	-0.2525u
Ti 334.941	0.2454	0.2224	0.1579
Tl 190.794	0.3131	0.8164	2.2513
V 292.401	0.1855	0.5957	0.4338
Zn 206.200	1.1658	-0.6220u	-0.1635u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5750	ppb	0.3779	65.7	-25.7613	0.57505
Al 308.215	-1.3338	ppb	2.3504	176.2	257.678	-1.33377
As 188.980	2.4743	ppb	2.7241	110.1	1.1219	2.47434
B 249.678	42.9059	ppb	5.5430	12.9	600.775	42.90586
Ba 389.178	0.5035	ppb	0.7942	157.7	-17.5951	0.50347
Be 313.042	0.0190	ppb	0.0181	94.9	-173.313	0.01904
Ca 370.602	3.784	ppb	1.901	50.2	6.432	3.78394
Cd 226.502	0.0674	ppb	0.1205	178.8	13.6282	0.06739
Co 228.615	0.2847	ppb	0.2439	85.7	15.2130	0.28471
Cr 267.716	0.2386	ppb	0.0823	34.5	13.0663	0.23857
Cu 324.754	-0.3084	ppb	0.2951	95.7	95.0785	-0.30840
Fe 271.441	0.3389	ppb	2.8478	840.4	4.3049	0.33885
K 766.491	0.6706	ppb	0.4743	70.7	239.594	0.67060
Mg 279.078	-0.4314	ppb	2.7902	646.8	24.4318	-0.43141
Mn 257.610	0.4003	ppb	0.1835	45.8	150.926	0.40034
Mo 202.032	0.1731	ppb	0.4234	244.6	10.3591	0.17312
Na 330.237	-18.7835	ppb	292.668	1558.1	-0.9753	-18.78347
Ni 231.604	0.1671	ppb	0.5092	304.8	2.7568	0.16708
Pb 220.353	-1.7908	ppb	0.3893	21.7	0.5618	-1.79076
Sb 206.834	7.2160	ppb	2.3990	33.2	8.1936	7.21598
Se 196.026	3.1618	ppb	2.2849	72.3	0.4153	3.16183
Sn 189.925	2.6723	ppb	0.3046	11.4	0.7562	2.67231
Sr 216.596	0.0610	ppb	0.2715	445.0	8.9903	0.06102
Ti 334.941	0.2086	ppb	0.0454	21.8	-36.6999	0.20857
Tl 190.794	1.1269	ppb	1.0057	89.2	-0.4492	1.12694
V 292.401	0.4050	ppb	0.2066	51.0	15.2392	0.40499
Zn 206.200	0.1268	ppb	0.9285	732.5	2.5451	0.12677

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680-88503-b-1-g (Samp) 3/26/2013, 5:15:32 PM Rack 1, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4166	-0.3012u	0.3709
Al 308.215	32.4896	35.4760	34.1932
As 188.980	6.2920	2.7276	-5.6327u
B 249.678	58.6500	55.7978	55.3719
Ba 389.178	16.0881	16.4622	15.9240
Be 313.042	-0.0179u	-0.0019u	-0.0078u
Ca 370.602	513.5	510.8	510.9
Cd 226.502	-0.0279u	-0.0483u	-0.0311u
Co 228.615	-0.6814u	0.3124	0.3318
Cr 267.716	0.1415	-0.0496u	0.5111
Cu 324.754	0.7998	0.3945	0.7015
Fe 271.441	5.4586	2.9713	7.0267
K 766.491	122.199	120.387	121.547
Mg 279.078	96.6083	96.9777	92.8157
Mn 257.610	4.5787	4.4848	4.5616
Mo 202.032	-0.0642u	-0.1136u	-0.1526u
Na 330.237	117444x	116761x	117402x
Ni 231.604	-0.2036u	-1.3844u	1.0219
Pb 220.353	0.6258	-1.9609u	1.1289
Sb 206.834	1.8919	-1.9876u	5.4081
Se 196.026	7.0891	-1.4190u	-0.2294u
Sn 189.925	3.7922	2.6550	-0.8677u
Sr 216.596	2.5249	2.6486	2.2540
Ti 334.941	0.1623	0.1759	0.1917
Tl 190.794	-1.9310u	5.0133	5.7265
V 292.401	0.0790	-0.2985u	-0.1175u
Zn 206.200	5.1774	4.2998	5.8519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1621b	ppb	0.4019	247.9	-54.8817
Al 308.215	34.0529b	ppb	1.4981	4.4	463.719
As 188.980	1.1290b	ppb	6.1210	542.2	0.2936
B 249.678	56.6066b	ppb	1.7824	3.1	730.103
Ba 389.178	16.1581b	ppb	0.2759	1.7	369.210
Be 313.042	-0.0092b	ppb	0.0081	88.3	-242.820
Ca 370.602	511.7b	ppb	1.560	0.3	1681
Cd 226.502	-0.0357b	ppb	0.0110	30.8	9.0902
Co 228.615	-0.0124b	ppb	0.5795	4674.1	11.7283
Cr 267.716	0.2010b	ppb	0.2850	141.8	13.3769
Cu 324.754	0.6320b	ppb	0.2114	33.4	141.415
Fe 271.441	5.1522b	ppb	2.0450	39.7	12.4447
K 766.491	121.378b	ppb	0.9181	0.8	6319.94
Mg 279.078	95.4672b	ppb	2.3037	2.4	224.140
Mn 257.610	4.5417b	ppb	0.0500	1.1	1104.64
Mo 202.032	-0.1101b	ppb	0.0443	40.2	8.4802
Na 330.237	117202xb	ppb	382.401	0.3	6049.02
Ni 231.604	-0.1887b	ppb	1.2032	637.6	1.8265
Pb 220.353	-0.0688b	ppb	1.6579	2410.9	3.4063
Sb 206.834	1.7708b	ppb	3.6994	208.9	3.1161
Se 196.026	1.8136b	ppb	4.6073	254.0	-0.2466
Sn 189.925	1.8598b	ppb	2.4296	130.6	0.1645
Sr 216.596	2.4758b	ppb	0.2018	8.2	32.5727
Ti 334.941	0.1766b	ppb	0.0147	8.3	-53.5175
Tl 190.794	2.9363b	ppb	4.2302	144.1	0.7892
V 292.401	-0.1123b	ppb	0.1888	168.1	-0.2379
Zn 206.200	5.1097b	ppb	0.7783	15.2	10.3383

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680-88503-b-1-gSD^5 (Samp) 3/26/2013, 5:20:56 PM Rack 1, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6270u	-0.4708u	-0.2928u
Al 308.215	5.3097	4.6999	4.7860
As 188.980	-1.4937u	-1.6487u	-4.1982u
B 249.678	5.0389	5.6608	4.2120
Ba 389.178	2.1972	3.3033	3.2893
Be 313.042	-0.0201u	-0.0323u	-0.0262u
Ca 370.602	103.9	109.2	103.7
Cd 226.502	-0.2337u	-0.1998u	-0.0556u
Co 228.615	0.2970	-0.0025u	0.0151
Cr 267.716	-0.1174u	-0.1102u	0.0260
Cu 324.754	0.2474	-0.5509u	-0.1270u
Fe 271.441	-2.7698u	-0.5913u	0.0650
K 766.491	24.4615	23.1768	23.5233
Mg 279.078	17.2777	22.7767	16.2407
Mn 257.610	0.8695	0.8878	0.8435
Mo 202.032	-0.0758u	0.2342	0.7765
Na 330.237	22986.8	23644.4	22261.5
Ni 231.604	0.6129	-0.2626u	-0.4208u
Pb 220.353	-0.2822u	-0.2042u	-1.3760u
Sb 206.834	5.2898	-4.0877u	2.5571
Se 196.026	4.7384	-6.1258u	-0.3223u
Sn 189.925	3.0385	-1.2486u	2.3468
Sr 216.596	-0.1887u	0.3572	0.5516
Ti 334.941	0.0099	-0.0108u	0.0937
Tl 190.794	5.1844	1.3553	3.1476
V 292.401	-0.0397u	-0.0359u	-0.4013u
Zn 206.200	0.3218	-0.1571u	1.6544

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4635	ppb	0.1672	36.1	-98.8451
Al 308.215	4.9319	ppb	0.3301	6.7	294.163
As 188.980	-2.4469	ppb	1.5187	62.1	-1.9227
B 249.678	4.9706	ppb	0.7268	14.6	242.674
Ba 389.178	2.9299	ppb	0.6346	21.7	42.3706
Be 313.042	-0.0262	ppb	0.0061	23.3	-264.807
Ca 370.602	105.6	ppb	3.125	3.0	342.2
Cd 226.502	-0.1631	ppb	0.0946	58.0	4.8357
Co 228.615	0.1032	ppb	0.1681	162.9	13.0800
Cr 267.716	-0.0672	ppb	0.0808	120.2	0.1045
Cu 324.754	-0.1435	ppb	0.3994	278.3	103.208
Fe 271.441	-1.0987	ppb	1.4840	135.1	1.7851
K 766.491	23.7206	ppb	0.6646	2.8	1400.68
Mg 279.078	18.7650	ppb	3.5127	18.7	64.4143
Mn 257.610	0.8669	ppb	0.0222	2.6	258.366
Mo 202.032	0.3116	ppb	0.4314	138.4	11.2792
Na 330.237	22964.2	ppb	691.718	3.0	1185.22
Ni 231.604	-0.0235	ppb	0.5568	2369.8	2.2584
Pb 220.353	-0.6208	ppb	0.6552	105.5	2.4943
Sb 206.834	1.2531	ppb	4.8228	384.9	2.6292
Se 196.026	-0.5699	ppb	5.4363	953.9	-1.4194
Sn 189.925	1.3789	ppb	2.3016	166.9	-0.2413
Sr 216.596	0.2400	ppb	0.3838	159.9	10.7436
Ti 334.941	0.0309	ppb	0.0553	178.9	-85.3663
Tl 190.794	3.2291	ppb	1.9159	59.3	0.9940
V 292.401	-0.1590	ppb	0.2099	132.1	-0.7858
Zn 206.200	0.6064	ppb	0.9387	154.8	3.2959

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.7790	50.5477	50.6754
Al 308.215	1980.44	1969.71	1968.44
As 188.980	2156.70	2146.39	2132.82
B 249.678	1070.95	1074.03	1079.56
Ba 389.178	2066.57	2053.02	2053.37
Be 313.042	50.8947	50.5369	50.4218
Ca 370.602	5500	5444	5434
Cd 226.502	50.2589	49.9643	50.0888
Co 228.615	510.536	509.424	506.234
Cr 267.716	200.535	199.010	197.776
Cu 324.754	254.652	254.636	252.083
Fe 271.441	1014.09	999.913	1013.65
K 766.491	5722.19	5695.95	5707.70
Mg 279.078	5110.29	5065.51	5052.23
Mn 257.610	516.203	512.401	512.120
Mo 202.032	513.203	509.380	507.829
Na 330.237	119288x	119308x	120332x
Ni 231.604	502.422	497.773	497.338
Pb 220.353	501.098	496.819	488.741
Sb 206.834	500.653	492.251	500.114
Se 196.026	2033.07	2007.66	2024.98
Sn 189.925	1036.80	1030.33	1022.60
Sr 216.596	522.470	519.331	517.410
Ti 334.941	1014.88	1005.53	1001.76
Tl 190.794	2034.03	2047.18	2040.53
V 292.401	508.260	505.345	505.144
Zn 206.200	497.987	497.970	495.056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6674b	ppb	0.1159	0.2	3481.76
Al 308.215	1972.87b	ppb	6.5891	0.3	11813.0
As 188.980	2145.30b	ppb	11.9766	0.6	1327.09
B 249.678	1074.84b	ppb	4.3649	0.4	10341.1
Ba 389.178	2057.65b	ppb	7.7247	0.4	50796.1
Be 313.042	50.6178b	ppb	0.2466	0.5	99034.3
Ca 370.602	5459b	ppb	35.56	0.7	18122
Cd 226.502	50.1040b	ppb	0.1479	0.3	1896.58
Co 228.615	508.732b	ppb	2.2330	0.4	5998.13
Cr 267.716	199.107b	ppb	1.3819	0.7	8696.10
Cu 324.754	253.791b	ppb	1.4784	0.6	12625.0
Fe 271.441	1009.22b	ppb	8.0594	0.8	1803.28
K 766.491	5708.61b	ppb	13.1403	0.2	287764
Mg 279.078	5076.01b	ppb	30.4212	0.6	10591.6
Mn 257.610	513.574b	ppb	2.2806	0.4	118373
Mo 202.032	510.137b	ppb	2.7661	0.5	3393.64
Na 330.237	119643xb	ppb	597.069	0.5	6163.12
Ni 231.604	499.178b	ppb	2.8178	0.6	1307.85
Pb 220.353	495.552b	ppb	6.2750	1.3	820.609
Sb 206.834	497.673b	ppb	4.7028	0.9	461.640
Se 196.026	2021.90b	ppb	12.9785	0.6	993.174
Sn 189.925	1029.91b	ppb	7.1079	0.7	799.265
Sr 216.596	519.737b	ppb	2.5542	0.5	5048.18
Ti 334.941	1007.39b	ppb	6.7550	0.7	266618
Tl 190.794	2040.58b	ppb	6.5722	0.3	1400.17
V 292.401	506.250b	ppb	1.7442	0.3	14143.3
Zn 206.200	497.005b	ppb	1.6874	0.3	779.039

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680-88503-b-1-h ms (Samp) 3/26/2013, 5:31:44 PM Rack 1, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	38.3123	39.1385	37.4401
Al 308.215	756.018	765.444	761.432
As 188.980	77.8758	77.5235	76.6213
B 249.678	198.301	199.517	198.323
Ba 389.178	84.6356	85.6701	86.0937
Be 313.042	74.6400	75.2118	75.1298
Ca 370.602	7523	7593	7577
Cd 226.502	72.6890	73.6305	73.1142
Co 228.615	73.4847	73.4548	74.6252
Cr 267.716	73.3529	73.8928	74.0914
Cu 324.754	76.1249	77.2859	75.3585
Fe 271.441	7331.85	7386.81	7377.22
K 766.491	7902.68	7980.62	7968.28
Mg 279.078	7255.48	7328.09	7298.57
Mn 257.610	754.348	760.952	758.807
Mo 202.032	73.9319	75.0929	74.5986
Na 330.237	95455.8x	96582.0x	96803.8x
Ni 231.604	73.4330	73.4582	75.1430
Pb 220.353	74.5585	73.0172	72.7789
Sb 206.834	69.7227	63.8442	76.7155
Se 196.026	71.8841	74.5672	82.6913
Sn 189.925	75.6036	78.6055	71.2783
Sr 216.596	76.2840	75.1458	75.8684
Ti 334.941	74.3950	74.8954	74.6534
Tl 190.794	18.5553	20.5643	10.4514
V 292.401	74.4135	75.1358	75.4722
Zn 206.200	75.7725	75.1321	76.0456

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.2969b	ppb	0.8493	2.2	2628.66
Al 308.215	760.965b	ppb	4.7304	0.6	4705.20
As 188.980	77.3402b	ppb	0.6471	0.8	47.4205
B 249.678	198.714b	ppb	0.6959	0.4	2064.64
Ba 389.178	85.4665b	ppb	0.7501	0.9	2112.41
Be 313.042	74.9939b	ppb	0.3092	0.4	146975
Ca 370.602	7564b	ppb	36.61	0.5	24355
Cd 226.502	73.1446b	ppb	0.4715	0.6	2778.36
Co 228.615	73.8549b	ppb	0.6672	0.9	878.975
Cr 267.716	73.7791b	ppb	0.3822	0.5	3228.57
Cu 324.754	76.2564b	ppb	0.9704	1.3	3871.23
Fe 271.441	7365.29b	ppb	29.3566	0.4	12541.3
K 766.491	7950.53b	ppb	41.8918	0.5	400696
Mg 279.078	7294.05b	ppb	36.5166	0.5	15210.0
Mn 257.610	758.036b	ppb	3.3692	0.4	174705
Mo 202.032	74.5411b	ppb	0.5826	0.8	503.410
Na 330.237	96280.5xb	ppb	722.789	0.8	4965.88
Ni 231.604	74.0114b	ppb	0.9801	1.3	196.036
Pb 220.353	73.4515b	ppb	0.9660	1.3	124.810
Sb 206.834	70.0941b	ppb	6.4437	9.2	67.2997
Se 196.026	76.3809b	ppb	5.6273	7.4	36.6466
Sn 189.925	75.1624b	ppb	3.6835	4.9	57.1376
Sr 216.596	75.7661b	ppb	0.5760	0.8	746.367
Ti 334.941	74.6479b	ppb	0.2502	0.3	19695.3
Tl 190.794	16.5237b	ppb	5.3538	32.4	9.1350
V 292.401	75.0072b	ppb	0.5409	0.7	2094.51
Zn 206.200	75.6501b	ppb	0.4689	0.6	129.436

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680-88503-b-1-i msd (Samp) 3/26/2013, 5:37:09 PM Rack 1, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	36.4108	37.2448	37.6741
Al 308.215	805.071	803.378	799.503
As 188.980	84.2531	81.9094	76.0091
B 249.678	196.911	198.177	197.107
Ba 389.178	90.3615	89.3122	89.1913
Be 313.042	79.2634	79.2865	79.3162
Ca 370.602	8000	7990	7996
Cd 226.502	77.6497	77.2017	77.2842
Co 228.615	77.0900	77.3026	79.0271
Cr 267.716	77.9451	77.8457	77.3787
Cu 324.754	78.9651	79.6209	80.2652
Fe 271.441	7787.81	7787.80	7787.36
K 766.491	8396.73	8418.99	8444.46
Mg 279.078	7707.76	7709.75	7692.05
Mn 257.610	800.545	800.882	800.532
Mo 202.032	77.7754	77.1274	77.0316
Na 330.237	101620x	101906x	101573x
Ni 231.604	78.8529	79.2095	79.2876
Pb 220.353	76.7823	73.8871	74.9237
Sb 206.834	72.8929	81.5009	78.8015
Se 196.026	82.6304	78.0346	87.1445
Sn 189.925	81.6545	82.2535	79.6947
Sr 216.596	81.5163	80.3480	79.9007
Ti 334.941	78.7187	78.6795	78.6683
Tl 190.794	13.8008	23.5931	18.2134
V 292.401	78.9905	79.3304	79.6349
Zn 206.200	80.8512	81.1206	79.6949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	37.1099b	ppb	0.6424	1.7	2545.14
Al 308.215	802.651b	ppb	2.8542	0.4	4948.27
As 188.980	80.7239b	ppb	4.2480	5.3	49.5129
B 249.678	197.398b	ppb	0.6817	0.3	2051.82
Ba 389.178	89.6216b	ppb	0.6436	0.7	2216.81
Be 313.042	79.2887b	ppb	0.0265	0.0	155404
Ca 370.602	7995b	ppb	5.178	0.1	25742
Cd 226.502	77.3785b	ppb	0.2384	0.3	2938.53
Co 228.615	77.8066b	ppb	1.0624	1.4	925.403
Cr 267.716	77.7232b	ppb	0.3024	0.4	3401.04
Cu 324.754	79.6171b	ppb	0.6501	0.8	4036.99
Fe 271.441	7787.66b	ppb	0.2548	0.0	13260.2
K 766.491	8420.06b	ppb	23.8819	0.3	424347
Mg 279.078	7703.19b	ppb	9.6930	0.1	16061.7
Mn 257.610	800.653b	ppb	0.1985	0.0	184524
Mo 202.032	77.3115b	ppb	0.4046	0.5	521.767
Na 330.237	101700xb	ppb	179.937	0.2	5245.38
Ni 231.604	79.1167b	ppb	0.2317	0.3	209.397
Pb 220.353	75.1977b	ppb	1.4669	2.0	127.695
Sb 206.834	77.7318b	ppb	4.4026	5.7	74.4625
Se 196.026	82.6032b	ppb	4.5550	5.5	39.7191
Sn 189.925	81.2009b	ppb	1.3383	1.6	61.8333
Sr 216.596	80.5883b	ppb	0.8342	1.0	793.366
Ti 334.941	78.6888b	ppb	0.0264	0.0	20766.4
Tl 190.794	18.5357b	ppb	4.9041	26.5	10.4612
V 292.401	79.3186b	ppb	0.3223	0.4	2214.95
Zn 206.200	80.5556b	ppb	0.7575	0.9	128.096

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88509-a-1-b (Samp) 3/26/2013, 5:42:34 PM Rack 1, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1368u	0.1479	-0.4584u
Al 308.215	77.5676	75.5214	76.7205
As 188.980	4.2835	0.6322	-7.9925u
B 249.678	50.3787	48.0026	48.8600
Ba 389.178	74.0592	73.8379	74.0165
Be 313.042	-0.0106u	-0.0046u	0.0015u
Ca 370.602	3474	3443	3442
Cd 226.502	65.5744	65.1776	64.4821
Co 228.615	3.6076	3.3788	4.2397
Cr 267.716	18.4654	18.6739	18.5856
Cu 324.754	8.2695	7.9361	7.8964
Fe 271.441	7946.80	7898.19	7863.63
K 766.491	266.342	264.931	264.568
Mg 279.078	917.414	912.578	904.974
Mn 257.610	74.7061	74.0176	73.8453
Mo 202.032	-0.2697u	0.0355u	-0.3065u
Na 330.237	120955x	121059x	120112x
Ni 231.604	24.9885	21.5968	23.8900
Pb 220.353	9.0461	12.0783	9.1286
Sb 206.834	3.3128	-5.5069u	-0.1428
Se 196.026	6.2394	1.8907	2.2277
Sn 189.925	1.0082	4.2617	-0.9006u
Sr 216.596	139.183	137.843	137.260
Ti 334.941	0.0882	0.0580	0.0995
Tl 190.794	0.2281u	-3.8295u	-0.8016u
V 292.401	-0.6971u	-0.3344u	-0.3740u
Zn 206.200	1862.42	1841.25	1845.50

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1491b	ppb	0.3033	203.5	-82.2700
Al 308.215	76.6032b	ppb	1.0281	1.3	711.485
As 188.980	-1.0256b	ppb	6.3037	614.6	-1.0953
B 249.678	49.0804b	ppb	1.2033	2.5	651.633
Ba 389.178	73.9712b	ppb	0.1174	0.2	1810.91
Be 313.042	-0.0046b	ppb	0.0060	131.7	-233.172
Ca 370.602	3453b	ppb	18.11	0.5	10717
Cd 226.502	65.0780b	ppb	0.5529	0.8	2476.17
Co 228.615	3.7420b	ppb	0.4459	11.9	55.6257
Cr 267.716	18.5750b	ppb	0.1047	0.6	816.940
Cu 324.754	8.0340b	ppb	0.2049	2.6	508.453
Fe 271.441	7902.87b	ppb	41.7790	0.5	13443.9
K 766.491	265.280b	ppb	0.9370	0.4	13568.7
Mg 279.078	911.655b	ppb	6.2708	0.7	1924.79
Mn 257.610	74.1897b	ppb	0.4555	0.6	17171.7
Mo 202.032	-0.1802b	ppb	0.1877	104.2	7.6539
Na 330.237	120709xb	ppb	519.229	0.4	6213.79
Ni 231.604	23.4918b	ppb	1.7306	7.4	63.9232
Pb 220.353	10.0843b	ppb	1.7273	17.1	20.1874
Sb 206.834	-0.7790b	ppb	4.4441	570.5	1.0741
Se 196.026	3.4526b	ppb	2.4193	70.1	0.6224
Sn 189.925	1.4564b	ppb	2.6102	179.2	-0.1471
Sr 216.596	138.095b	ppb	0.9858	0.7	1356.61
Ti 334.941	0.0819b	ppb	0.0214	26.2	-74.4692
Tl 190.794	-1.4676b	ppb	2.1092	143.7	-2.5833
V 292.401	-0.4685b	ppb	0.1990	42.5	-11.4100
Zn 206.200	1849.72b	ppb	11.1977	0.6	2895.21

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680-88510-a-1-b (Samp) 3/26/2013, 5:48:00 PM Rack 1, Tube 33

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2986u	-0.2546u	-0.0627u
Al 308.215	36.2379	36.5182	37.9471
As 188.980	-2.7282u	-6.6660u	-4.0956u
B 249.678	48.7230	49.1438	47.7073
Ba 389.178	39.2191	40.1127	40.7329
Be 313.042	0.0037u	0.0015u	-0.0021u
Ca 370.602	794.4	796.2	801.0
Cd 226.502	-0.0643u	-0.0353u	0.1745
Co 228.615	0.3769	0.2779	1.1866
Cr 267.716	0.1259	0.0927	-0.1104u
Cu 324.754	0.9519	0.7061	0.7827
Fe 271.441	-1.3842u	-3.0196u	-2.4514u
K 766.491	209.563	212.103	209.661
Mg 279.078	197.227	204.006	199.512
Mn 257.610	5.2165	5.2916	5.2416
Mo 202.032	0.0445	0.1940	-0.1377u
Na 330.237	115370x	116174x	115483x
Ni 231.604	0.4406	-0.3560u	-0.0496u
Pb 220.353	5.9114	6.7456	5.3336
Sb 206.834	3.5991	2.9029	0.6921
Se 196.026	-3.8446u	8.4559	5.5899
Sn 189.925	2.0522	3.3869	0.7843
Sr 216.596	1.1704	1.6703	1.4609
Ti 334.941	0.1090	0.0724	0.0495
Tl 190.794	0.5161	-1.3530u	2.8291
V 292.401	-0.0881u	-0.1720u	-0.2679u
Zn 206.200	3.0441	4.9493	4.8676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2053b	ppb	0.1254	61.1	-80.7056
Al 308.215	36.9011b	ppb	0.9167	2.5	480.294
As 188.980	-4.4966b	ppb	1.9993	44.5	-3.1853
B 249.678	48.5247b	ppb	0.7385	1.5	653.818
Ba 389.178	40.0216b	ppb	0.7610	1.9	958.720
Be 313.042	0.0010b	ppb	0.0029	280.5	-222.465
Ca 370.602	797.2b	ppb	3.416	0.4	2623
Cd 226.502	0.0250b	ppb	0.1303	521.9	11.3705
Co 228.615	0.6138b	ppb	0.4985	81.2	19.0859
Cr 267.716	0.0360b	ppb	0.1279	355.1	6.1502
Cu 324.754	0.8135b	ppb	0.1258	15.5	150.359
Fe 271.441	-2.2851b	ppb	0.8303	36.3	-0.1395
K 766.491	210.442b	ppb	1.4394	0.7	10806.4
Mg 279.078	200.249b	ppb	3.4489	1.7	442.417
Mn 257.610	5.2499b	ppb	0.0382	0.7	1268.33
Mo 202.032	0.0336b	ppb	0.1661	494.0	9.4345
Na 330.237	115675xb	ppb	435.218	0.4	5970.23
Ni 231.604	0.0116b	ppb	0.4018	3449.6	2.3503
Pb 220.353	5.9968b	ppb	0.7099	11.8	13.4237
Sb 206.834	2.3981b	ppb	1.5178	63.3	3.7019
Se 196.026	3.4004b	ppb	6.4359	189.3	0.5338
Sn 189.925	2.0745b	ppb	1.3014	62.7	0.3309
Sr 216.596	1.4339b	ppb	0.2510	17.5	22.4485
Ti 334.941	0.0770b	ppb	0.0300	39.0	-79.3324
Tl 190.794	0.6641b	ppb	2.0950	315.5	-0.7721
V 292.401	-0.1760b	ppb	0.0900	51.1	-1.9973
Zn 206.200	4.2870b	ppb	1.0772	25.1	0.0517

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680-88510-a-2-b (Samp) 3/26/2013, 5:53:25 PM Rack 1, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7492u	-0.1187u	0.5628
Al 308.215	21.5430	21.0517	23.9853
As 188.980	-1.9000u	0.1848	0.5828
B 249.678	38.4639	38.6532	37.7256
Ba 389.178	35.4486	35.1632	35.2689
Be 313.042	-0.0106u	-0.0035u	-0.0088u
Ca 370.602	890.9	887.6	887.3
Cd 226.502	0.1340	-0.1786u	-0.0715u
Co 228.615	0.2125	1.0283	0.8882
Cr 267.716	-0.2136u	0.0121	-0.0362
Cu 324.754	0.6992	0.0717	0.8211
Fe 271.441	6.6892	-1.0855u	4.5797
K 766.491	249.366	249.060	248.700
Mg 279.078	219.236	215.829	218.293
Mn 257.610	7.5734	7.5504	7.5813
Mo 202.032	0.5659	0.8027	-0.4449u
Na 330.237	116102x	116685x	116650x
Ni 231.604	0.7657	1.7543	1.3636
Pb 220.353	363.420	364.005	362.560
Sb 206.834	2.1908	-1.6043u	0.1866
Se 196.026	9.4223	-0.5541u	9.9383
Sn 189.925	-0.6243u	0.7599	-2.0720u
Sr 216.596	2.2720	1.5306	2.2683
Ti 334.941	-0.0142u	0.0225u	0.0153u
Tl 190.794	-0.3292u	4.2070	1.8021
V 292.401	-0.2238u	-0.3071u	0.0805
Zn 206.200	2.7393	2.0843	1.1117

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1017b	ppb	0.6562	645.1	-73.4036
Al 308.215	22.1933b	ppb	1.5712	7.1	394.684
As 188.980	-0.3774b	ppb	1.3335	353.3	-0.6355
B 249.678	38.2809b	ppb	0.4901	1.3	557.115
Ba 389.178	35.2936b	ppb	0.1443	0.4	842.035
Be 313.042	-0.0076b	ppb	0.0037	48.9	-239.738
Ca 370.602	888.6b	ppb	1.988	0.2	2924
Cd 226.502	-0.0387b	ppb	0.1589	410.7	8.9870
Co 228.615	0.7097b	ppb	0.4362	61.5	20.2026
Cr 267.716	-0.0792b	ppb	0.1188	150.0	1.1428
Cu 324.754	0.5306b	ppb	0.4021	75.8	136.427
Fe 271.441	3.3945b	ppb	4.0206	118.4	9.5353
K 766.491	249.042b	ppb	0.3335	0.1	12750.7
Mg 279.078	217.786b	ppb	1.7592	0.8	478.921
Mn 257.610	7.5684b	ppb	0.0160	0.2	1802.42
Mo 202.032	0.3079b	ppb	0.6626	215.2	11.2542
Na 330.237	116479xb	ppb	326.976	0.3	6011.70
Ni 231.604	1.2946b	ppb	0.4979	38.5	5.7056
Pb 220.353	363.328b	ppb	0.7269	0.2	603.555
Sb 206.834	0.2577b	ppb	1.8986	736.8	1.7013
Se 196.026	6.2688b	ppb	5.9144	94.3	1.9448
Sn 189.925	-0.6455b	ppb	1.4160	219.4	-1.7830
Sr 216.596	2.0237b	ppb	0.4270	21.1	28.1781
Ti 334.941	0.0079b	ppb	0.0194	246.9	-97.6132
Tl 190.794	1.8933b	ppb	2.2694	119.9	0.0698
V 292.401	-0.1501b	ppb	0.2041	135.9	-1.3257
Zn 206.200	1.9784b	ppb	0.8190	161.4	5.4413

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680-88510-a-3-b (Samp) 3/26/2013, 5:58:51 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4290	-0.5039u	-0.1520u
Al 308.215	53.8210	50.9267	53.5748
As 188.980	-5.1503u	-0.1748u	4.1679
B 249.678	40.4408	40.8752	41.2971
Ba 389.178	77.0758	77.2467	77.4142
Be 313.042	-0.0158u	0.0018u	-0.0148u
Ca 370.602	626.3	629.4	626.9
Cd 226.502	-0.2177u	-0.0192u	-0.0119u
Co 228.615	0.9068	0.5236	0.4293
Cr 267.716	0.2906	0.2395	0.2455
Cu 324.754	0.1672	0.3415	0.3418
Fe 271.441	3.1934	-4.4827u	4.3297
K 766.491	198.023	197.792	197.144
Mg 279.078	138.645	134.518	135.062
Mn 257.610	3.4819	3.4717	3.3929
Mo 202.032	0.2701	0.0029	0.1121
Na 330.237	115462x	114850x	114185x
Ni 231.604	-0.2031u	-0.5126u	0.8981
Pb 220.353	3.0682	6.0303	2.3746
Sb 206.834	0.4880	-0.5665u	-1.1683u
Se 196.026	8.2083	-2.6267u	5.3792
Sn 189.925	2.4426	3.5334	-1.3834u
Sr 216.596	1.4923	1.0075	1.5667
Ti 334.941	-0.0314u	0.0285u	0.0222u
Tl 190.794	0.0404	1.8959	2.0953
V 292.401	0.0428	-0.4017u	0.1336
Zn 206.200	2.4113	0.6059	0.1477

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0757b	ppb	0.4711	622.7	-71.5932
Al 308.215	52.7742b	ppb	1.6047	3.0	572.750
As 188.980	-0.3857b	ppb	4.6627	1208.9	-0.6428
B 249.678	40.8710b	ppb	0.4282	1.0	581.566
Ba 389.178	77.2455b	ppb	0.1692	0.2	1877.66
Be 313.042	-0.0096b	ppb	0.0099	103.1	-243.383
Ca 370.602	627.6b	ppb	1.662	0.3	2063
Cd 226.502	-0.0829b	ppb	0.1168	140.8	7.3251
Co 228.615	0.6199b	ppb	0.2529	40.8	19.1503
Cr 267.716	0.2585b	ppb	0.0279	10.8	15.8450
Cu 324.754	0.2835b	ppb	0.1007	35.5	124.248
Fe 271.441	1.0135b	ppb	4.7936	473.0	5.4606
K 766.491	197.653b	ppb	0.4557	0.2	10162.1
Mg 279.078	136.075b	ppb	2.2422	1.6	308.750
Mn 257.610	3.4488b	ppb	0.0487	1.4	853.174
Mo 202.032	0.1284b	ppb	0.1343	104.6	10.0629
Na 330.237	114832xb	ppb	638.733	0.6	5926.73
Ni 231.604	0.0608b	ppb	0.7414	1219.0	2.4790
Pb 220.353	3.8243b	ppb	1.9416	50.8	9.8350
Sb 206.834	-0.4156b	ppb	0.8384	201.7	1.0756
Se 196.026	3.6536b	ppb	5.6198	153.8	0.6579
Sn 189.925	1.5309b	ppb	2.5821	168.7	-0.0920
Sr 216.596	1.3555b	ppb	0.3037	22.4	21.6558
Ti 334.941	0.0065b	ppb	0.0329	508.6	-98.2081
Tl 190.794	1.3438b	ppb	1.1332	84.3	-0.3034
V 292.401	-0.0751b	ppb	0.2865	381.5	0.7942
Zn 206.200	1.0550b	ppb	1.1967	113.4	3.9964

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680-88510-a-4-b (Samp) 3/26/2013, 6:04:18 PM Rack 1, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7022u	-0.6448u	-0.1856u
Al 308.215	31.0826	30.5112	31.3562
As 188.980	-0.3932u	3.5611	-3.3752u
B 249.678	36.0167	35.5109	35.2072
Ba 389.178	56.4487	56.5024	55.8135
Be 313.042	-0.0060u	-0.0018u	0.0029u
Ca 370.602	1954	1943	1942
Cd 226.502	-0.1520u	-0.0506u	-0.0375u
Co 228.615	0.2713	0.3269	0.0938
Cr 267.716	-0.2308u	-0.1041u	0.0612
Cu 324.754	0.7499	0.5254	0.2409
Fe 271.441	-6.9167u	-3.9829u	5.7575
K 766.491	229.252	227.757	227.601
Mg 279.078	225.190	221.602	225.585
Mn 257.610	13.1389	13.0572	13.0453
Mo 202.032	-0.4726u	-0.5462u	-0.8042u
Na 330.237	114128x	113640x	113957x
Ni 231.604	0.6831	1.0957	1.7956
Pb 220.353	5.6858	8.1107	7.0348
Sb 206.834	-1.9282u	-0.5401u	-0.4698u
Se 196.026	4.8972	9.1017	7.5178
Sn 189.925	0.9318	-1.7698u	2.1492
Sr 216.596	3.7830	3.0175	2.0897
Ti 334.941	-0.0436u	0.0029u	-0.0340u
Tl 190.794	2.5837	-3.3482u	-1.4907u
V 292.401	-0.3303u	-0.0546u	0.0004u
Zn 206.200	0.8003	1.2344	0.6431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5109b	ppb	0.2832	55.4	-102.228
Al 308.215	30.9833b	ppb	0.4312	1.4	445.787
As 188.980	-0.0691b	ppb	3.4795	5035.3	-0.4356
B 249.678	35.5782b	ppb	0.4089	1.1	531.607
Ba 389.178	56.2549b	ppb	0.3832	0.7	1359.61
Be 313.042	-0.0016b	ppb	0.0044	273.7	-227.060
Ca 370.602	1947b	ppb	6.728	0.3	6414
Cd 226.502	-0.0800b	ppb	0.0627	78.3	7.4294
Co 228.615	0.2306b	ppb	0.1217	52.8	14.5949
Cr 267.716	-0.0912b	ppb	0.1465	160.5	0.5980
Cu 324.754	0.5054b	ppb	0.2551	50.5	135.167
Fe 271.441	-1.7140b	ppb	6.6347	387.1	0.7458
K 766.491	228.203b	ppb	0.9114	0.4	11701.0
Mg 279.078	224.126b	ppb	2.1948	1.0	492.038
Mn 257.610	13.0804b	ppb	0.0510	0.4	3071.97
Mo 202.032	-0.6077b	ppb	0.1742	28.7	5.1787
Na 330.237	113908xb	ppb	247.219	0.2	5879.04
Ni 231.604	1.1915b	ppb	0.5624	47.2	5.4359
Pb 220.353	6.9438b	ppb	1.2150	17.5	14.9900
Sb 206.834	-0.9794b	ppb	0.8225	84.0	0.5543
Se 196.026	7.1722b	ppb	2.1235	29.6	2.3904
Sn 189.925	0.4371b	ppb	2.0058	458.9	-0.9420
Sr 216.596	2.9634b	ppb	0.8479	28.6	37.4425
Ti 334.941	-0.0249b	ppb	0.0246	98.7	-106.076
Tl 190.794	-0.7518b	ppb	3.0342	403.6	-1.7525
V 292.401	-0.1282b	ppb	0.1772	138.3	-0.5630
Zn 206.200	0.8926b	ppb	0.3063	34.3	3.7433

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Cont Calib Verif (CCV) 3/26/2013, 6:09:43 PM Rack 1, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.124	491.825	498.452
Al 308.215	5037.71	4994.78	4980.66
As 188.980	476.361	472.539	461.637
B 249.678	2528.84	2530.96	2535.46
Ba 389.178	4990.74	4958.06	4938.65
Be 313.042	496.365	493.982	492.322
Ca 370.602	4970	4941	4935
Cd 226.502	492.628	489.370	487.039
Co 228.615	502.283	495.893	496.444
Cr 267.716	4890.06	4868.58	4852.60
Cu 324.754	4991.36	4796.42	4807.74
Fe 271.441	5012.40	4983.15	4955.98
K 766.491	10117.5	10159.7	10120.1
Mg 279.078	4964.41	4932.35	4920.49
Mn 257.610	4997.50	4967.20	4951.36
Mo 202.032	488.006	489.838	485.953
Na 330.237	7405.77	7294.57	7231.25
Ni 231.604	2502.52	2490.67	2476.14
Pb 220.353	486.890	489.271	486.793
Sb 206.834	936.841	941.217	941.853
Se 196.026	4936.02	4928.25	4889.44
Sn 189.925	5020.32	5054.51	4986.64
Sr 216.596	2466.09	2459.90	2452.68
Ti 334.941	493.329	491.483	490.087
Tl 190.794	4971.17	4917.83	4923.97
V 292.401	4996.37	4957.99	4935.82
Zn 206.200	2476.93	2454.23	2442.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.800	ppb	5.6778	1.1	34903.5	99.56007
Al 308.215	5004.38	ppb	29.7121	0.6	29382.7	100.08762
As 188.980	470.179	ppb	7.6405	1.6	290.417	94.03582
B 249.678	2531.75	ppb	3.3785	0.1	24090.2	101.27016
Ba 389.178	4962.48	ppb	26.3205	0.5	122537	99.24969
Be 313.042	494.223	ppb	2.0325	0.4	969666	98.84459
Ca 370.602	4948	ppb	18.51	0.4	16176	98.96980
Cd 226.502	489.679	ppb	2.8072	0.6	18431.5	97.93576
Co 228.615	498.206	ppb	3.5407	0.7	5874.10	99.64129
Cr 267.716	4870.41	ppb	18.7991	0.4	212601	97.40825
Cu 324.754	4865.17	ppb	109.428	2.2	239807	97.30342
Fe 271.441	4983.84	ppb	28.2183	0.6	8601.92	99.67683
K 766.491	10132.4	ppb	23.6564	0.2	510604	101.32425
Mg 279.078	4939.08	ppb	22.7198	0.5	10235.7	98.78164
Mn 257.610	4972.02	ppb	23.4411	0.5	1145226	99.44042
Mo 202.032	487.932	ppb	1.9435	0.4	3238.44	97.58647
Na 330.237	7310.53	ppb	88.3490	1.2	353.550	97.47372
Ni 231.604	2489.78	ppb	13.2124	0.5	6514.01	99.59121
Pb 220.353	487.651	ppb	1.4038	0.3	808.769	97.53029
Sb 206.834	939.970	ppb	2.7289	0.3	921.532	93.99705
Se 196.026	4917.91	ppb	24.9523	0.5	2418.27	98.35811
Sn 189.925	5020.49	ppb	33.9351	0.7	3901.07	100.40977
Sr 216.596	2459.55	ppb	6.7117	0.3	23917.4	98.38207
Ti 334.941	491.633	ppb	1.6263	0.3	130084	98.32656
Tl 190.794	4937.66	ppb	29.1853	0.6	3387.16	98.75314
V 292.401	4963.39	ppb	30.6332	0.6	139207	99.26783
Zn 206.200	2457.91	ppb	17.4675	0.7	3831.45	98.31644

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Cont Calib Blank (CCB) 3/26/2013, 6:15:07 PM Rack 1, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2429	0.4999	0.2625
Al 308.215	-2.9961u	-5.2915u	-3.0585u
As 188.980	-0.8160u	5.5116	0.1032
B 249.678	44.3713	39.8142	34.7853
Ba 389.178	0.1218	0.2877	0.3912
Be 313.042	0.0127	0.0134	0.0019
Ca 370.602	1.464	-2.310u	6.152
Cd 226.502	0.0203	-0.0781u	-0.0607u
Co 228.615	-0.9105u	0.2006	-0.0555u
Cr 267.716	0.0946	0.1107	0.2454
Cu 324.754	0.7516	0.7067	-0.4370u
Fe 271.441	5.1480	6.0222	-0.2539u
K 766.491	0.8503	0.2593	-0.3666u
Mg 279.078	-4.4741u	-2.2018u	0.3564
Mn 257.610	0.2300	0.2018	0.1632
Mo 202.032	0.1743	0.6366	0.3758
Na 330.237	120.593	22.1875	-30.8059u
Ni 231.604	-0.1075u	-0.3970u	-2.5886u
Pb 220.353	-1.7402u	-2.9493u	0.0198
Sb 206.834	3.6472	3.1813	4.9257
Se 196.026	4.0070	-1.0054u	9.4386
Sn 189.925	0.2534	4.1609	0.1368
Sr 216.596	0.6132	0.0532	-0.2605u
Ti 334.941	0.1050	0.1320	0.1067
Tl 190.794	2.1305	5.4433	0.3024
V 292.401	0.2479	0.1715	0.0583
Zn 206.200	-1.1142u	-0.4135u	0.2416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3351	ppb	0.1430	42.7	-42.6215	0.33509
Al 308.215	-3.7820	ppb	1.3076	34.6	243.454	-3.78201
As 188.980	1.5996	ppb	3.4189	213.7	0.5805	1.59962
B 249.678	39.6569	ppb	4.7949	12.1	570.107	39.65694
Ba 389.178	0.2669	ppb	0.1359	50.9	-23.4430	0.26690
Be 313.042	0.0093	ppb	0.0064	68.7	-192.413	0.00933
Ca 370.602	1.768	ppb	4.239	239.7	-0.1348	1.76824
Cd 226.502	-0.0395	ppb	0.0525	132.8	9.6057	-0.03952
Co 228.615	-0.2551	ppb	0.5818	228.0	8.8627	-0.25515
Cr 267.716	0.1502	ppb	0.0828	55.1	9.2133	0.15024
Cu 324.754	0.3404	ppb	0.6736	197.9	127.057	0.34043
Fe 271.441	3.6388	ppb	3.3994	93.4	9.7961	3.63876
K 766.491	0.2477	ppb	0.6085	245.7	218.290	0.24766
Mg 279.078	-2.1065	ppb	2.4167	114.7	20.9459	-2.10647
Mn 257.610	0.1983	ppb	0.0335	16.9	104.385	0.19833
Mo 202.032	0.3956	ppb	0.2318	58.6	11.8356	0.39555
Na 330.237	37.3248	ppb	76.8261	205.8	1.9205	37.32480
Ni 231.604	-1.0310	ppb	1.3566	131.6	-0.3767	-1.03104
Pb 220.353	-1.5566	ppb	1.4930	95.9	0.9486	-1.55658
Sb 206.834	3.9180	ppb	0.9032	23.1	5.1138	3.91805
Se 196.026	4.1467	ppb	5.2234	126.0	0.8996	4.14674
Sn 189.925	1.5170	ppb	2.2904	151.0	-0.1417	1.51702
Sr 216.596	0.1353	ppb	0.4426	327.1	9.7207	0.13530
Ti 334.941	0.1146	ppb	0.0151	13.2	-61.6039	0.11456
Tl 190.794	2.6254	ppb	2.6059	99.3	0.5799	2.62539
V 292.401	0.1592	ppb	0.0954	59.9	8.2844	0.15924
Zn 206.200	-0.4287	ppb	0.6780	158.2	1.6765	-0.42868

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680-88510-a-5-b (Samp) 3/26/2013, 6:20:31 PM Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4763u	-0.7086u	-0.1451u
Al 308.215	43.6683	42.4921	45.3858
As 188.980	0.3246	-3.2360u	-1.5627u
B 249.678	54.1143	53.5748	53.3220
Ba 389.178	69.6452	70.2044	69.6513
Be 313.042	0.0001u	0.0059u	-0.0086u
Ca 370.602	623.4	635.1	616.5
Cd 226.502	0.0072u	-0.0358u	-0.1311u
Co 228.615	1.1924	-0.4549u	0.1733
Cr 267.716	0.2114	-0.0237	-0.0424
Cu 324.754	2.0143	2.1848	1.4442
Fe 271.441	-2.6811u	2.0350	4.6657
K 766.491	199.527	203.163	196.862
Mg 279.078	182.293	182.745	183.219
Mn 257.610	5.0768	5.1487	5.1081
Mo 202.032	-0.2238u	-0.5621u	0.8654
Na 330.237	113493x	115584x	113121x
Ni 231.604	-0.0087u	0.5308	1.3422
Pb 220.353	7.7430	6.8989	7.1684
Sb 206.834	0.7693	0.4903	-1.9540u
Se 196.026	7.6193	7.0959	4.4448
Sn 189.925	1.1461	1.3526	2.6162
Sr 216.596	2.2808	2.2925	1.6661
Ti 334.941	0.0042u	0.1611	0.0876
Tl 190.794	6.0403	-6.3134u	-1.5537u
V 292.401	-0.4850u	0.0086u	0.6329
Zn 206.200	1.1920	2.9160	2.7115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4433b	ppb	0.2832	63.9	-97.4827
Al 308.215	43.8487b	ppb	1.4553	3.3	520.748
As 188.980	-1.4914b	ppb	1.7814	119.4	-1.3269
B 249.678	53.6704b	ppb	0.4047	0.8	702.389
Ba 389.178	69.8336b	ppb	0.3211	0.5	1694.78
Be 313.042	-0.0009b	ppb	0.0073	857.7	-226.089
Ca 370.602	625.0b	ppb	9.397	1.5	2055
Cd 226.502	-0.0532b	ppb	0.0708	133.0	8.4441
Co 228.615	0.3036b	ppb	0.8313	273.9	15.4414
Cr 267.716	0.0484b	ppb	0.1415	292.1	6.6651
Cu 324.754	1.8811b	ppb	0.3879	20.6	202.962
Fe 271.441	1.3399b	ppb	3.7224	277.8	5.9331
K 766.491	199.850b	ppb	3.1630	1.6	10272.8
Mg 279.078	182.752b	ppb	0.4630	0.3	405.968
Mn 257.610	5.1112b	ppb	0.0361	0.7	1236.30
Mo 202.032	0.0265b	ppb	0.7459	2817.2	9.3866
Na 330.237	114066xb	ppb	1327.50	1.2	5887.18
Ni 231.604	0.6215b	ppb	0.6800	109.4	3.9452
Pb 220.353	7.2701b	ppb	0.4311	5.9	15.5265
Sb 206.834	-0.2314b	ppb	1.4983	647.4	1.2478
Se 196.026	6.3866b	ppb	1.7019	26.6	2.0022
Sn 189.925	1.7050b	ppb	0.7959	46.7	0.0431
Sr 216.596	2.0798b	ppb	0.3583	17.2	28.7150
Ti 334.941	0.0843b	ppb	0.0785	93.1	-77.3483
Tl 190.794	-0.6090b	ppb	6.2308	1023.2	-1.6466
V 292.401	0.0522b	ppb	0.5602	1074.1	4.4372
Zn 206.200	2.2732b	ppb	0.9419	41.4	5.9024

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680-88510-a-6-b (Samp) 3/26/2013, 6:25:55 PM Rack 1, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5636u	0.0441	-0.4326u
Al 308.215	24.7146	21.9538	23.8596
As 188.980	0.0604	-0.8640u	-7.7043u
B 249.678	50.2182	50.5635	50.8246
Ba 389.178	43.1936	42.6518	43.4728
Be 313.042	0.0212	0.0124	0.0131
Ca 370.602	2702	2677	2701
Cd 226.502	-0.1434u	-0.0375u	-0.0381u
Co 228.615	0.7152	-0.2832u	0.1449
Cr 267.716	0.4781	0.6088	0.6534
Cu 324.754	0.9357	0.8374	0.8964
Fe 271.441	5.5776	3.1330	4.6778
K 766.491	501.566	495.478	494.929
Mg 279.078	743.532	736.368	741.924
Mn 257.610	22.6903	22.5214	22.5892
Mo 202.032	0.2694	0.2891	0.2810
Na 330.237	117193x	115961x	116555x
Ni 231.604	1.4136	0.4509	2.1788
Pb 220.353	2.9657	3.7914	5.2310
Sb 206.834	0.0490	-4.0700u	0.3177
Se 196.026	4.2079	2.9491	2.3083
Sn 189.925	0.5190	-0.1296u	0.5286
Sr 216.596	8.7282	8.3693	7.9544
Ti 334.941	0.0610	0.1274	0.1075
Tl 190.794	-1.4783u	-1.0828u	-1.4364u
V 292.401	-0.0278u	-0.1757u	-0.1049u
Zn 206.200	2.3288	3.9709	3.3538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3174b	ppb	0.3198	100.8	-88.8086
Al 308.215	23.5093b	ppb	1.4133	6.0	402.346
As 188.980	-2.8359b	ppb	4.2414	149.6	-2.1418
B 249.678	50.5354b	ppb	0.3042	0.6	672.789
Ba 389.178	43.1061b	ppb	0.4174	1.0	1036.41
Be 313.042	0.0156b	ppb	0.0049	31.3	-193.437
Ca 370.602	2693b	ppb	14.26	0.5	8876
Cd 226.502	-0.0730b	ppb	0.0610	83.5	7.7132
Co 228.615	0.1923b	ppb	0.5009	260.4	14.1280
Cr 267.716	0.5801b	ppb	0.0911	15.7	29.9893
Cu 324.754	0.8898b	ppb	0.0494	5.6	154.128
Fe 271.441	4.4628b	ppb	1.2364	27.7	11.2397
K 766.491	497.325b	ppb	3.6835	0.7	25257.4
Mg 279.078	740.608b	ppb	3.7592	0.5	1567.87
Mn 257.610	22.6003b	ppb	0.0850	0.4	5267.44
Mo 202.032	0.2798b	ppb	0.0099	3.5	11.0678
Na 330.237	116570xb	ppb	615.992	0.5	6016.38
Ni 231.604	1.3478b	ppb	0.8658	64.2	5.8449
Pb 220.353	3.9961b	ppb	1.1464	28.7	10.1233
Sb 206.834	-1.2344b	ppb	2.4594	199.2	0.3135
Se 196.026	3.1551b	ppb	0.9664	30.6	0.4176
Sn 189.925	0.3060b	ppb	0.3773	123.3	-1.0427
Sr 216.596	8.3506b	ppb	0.3872	4.6	89.9770
Ti 334.941	0.0986b	ppb	0.0341	34.5	-71.3524
Tl 190.794	-1.3325b	ppb	0.2173	16.3	-2.1617
V 292.401	-0.1028b	ppb	0.0740	72.0	-0.0119
Zn 206.200	3.2178b	ppb	0.8294	25.8	7.3785

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680-88510-a-7-b (Samp) 3/26/2013, 6:32:21 PM Rack 1, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3924	0.3124	-0.8468u
Al 308.215	17.7128	14.2888	18.9874
As 188.980	-4.6537u	0.1024	-1.9209u
B 249.678	45.7763	45.6081	46.1229
Ba 389.178	33.5648	33.7868	34.4300
Be 313.042	-0.0112u	-0.0043u	0.0059u
Ca 370.602	1092	1089	1097
Cd 226.502	-0.1607u	-0.2133u	-0.0047u
Co 228.615	0.7159	0.0308	-0.0216u
Cr 267.716	0.0696	-0.0095	-0.0537u
Cu 324.754	0.7344	0.4188	0.5972
Fe 271.441	-4.3624u	1.3808	-8.7330u
K 766.491	343.301	342.851	345.193
Mg 279.078	285.129	280.914	284.946
Mn 257.610	10.5340	10.5885	10.5602
Mo 202.032	0.7160	-0.1348u	-0.1637u
Na 330.237	104608x	105323x	105527x
Ni 231.604	1.3462	1.5031	0.6024
Pb 220.353	2.1323	-0.9071u	-1.5832u
Sb 206.834	-2.0590u	0.5678	2.6306
Se 196.026	7.4784	2.1086	9.0875
Sn 189.925	2.6811	0.9680	1.5310
Sr 216.596	4.8859	4.4879	4.7083
Ti 334.941	0.0683	0.0499	0.0349
Tl 190.794	6.7734	-1.3833u	8.4927
V 292.401	-0.3598u	-0.2600u	-0.1030u
Zn 206.200	0.9824	3.7857	-0.3149u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0473b	ppb	0.6935	1464.7	-69.7106
Al 308.215	16.9963b	ppb	2.4299	14.3	364.388
As 188.980	-2.1574b	ppb	2.3868	110.6	-1.7352
B 249.678	45.8357b	ppb	0.2625	0.6	628.433
Ba 389.178	33.9272b	ppb	0.4494	1.3	808.476
Be 313.042	-0.0032b	ppb	0.0086	268.2	-229.434
Ca 370.602	1093b	ppb	3.928	0.4	3598
Cd 226.502	-0.1262b	ppb	0.1085	85.9	5.7508
Co 228.615	0.2417b	ppb	0.4115	170.2	14.7163
Cr 267.716	0.0021b	ppb	0.0625	2943.8	4.5205
Cu 324.754	0.5835b	ppb	0.1582	27.1	139.024
Fe 271.441	-3.9049b	ppb	5.0724	129.9	-2.9697
K 766.491	343.782b	ppb	1.2429	0.4	17523.0
Mg 279.078	283.663b	ppb	2.3825	0.8	616.115
Mn 257.610	10.5609b	ppb	0.0273	0.3	2492.07
Mo 202.032	0.1391b	ppb	0.4997	359.1	10.1348
Na 330.237	105153xb	ppb	482.271	0.5	5427.14
Ni 231.604	1.1505b	ppb	0.4811	41.8	5.3289
Pb 220.353	-0.1193b	ppb	1.9791	1658.4	3.3246
Sb 206.834	0.3798b	ppb	2.3505	618.9	1.8178
Se 196.026	6.2248b	ppb	3.6544	58.7	1.9239
Sn 189.925	1.7267b	ppb	0.8732	50.6	0.0571
Sr 216.596	4.6940b	ppb	0.1993	4.2	54.2132
Ti 334.941	0.0510b	ppb	0.0167	32.8	-85.0532
Tl 190.794	4.6276b	ppb	5.2761	114.0	1.9450
V 292.401	-0.2410b	ppb	0.1294	53.7	-3.7301
Zn 206.200	1.4844b	ppb	2.0959	141.2	4.6688

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680-88510-a-8-b (Samp) 3/26/2013, 6:37:45 PM Rack 1, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3802u	-0.3710u	0.0123
Al 308.215	61.2132	60.9215	60.8043
As 188.980	-4.3283u	-5.6032u	-3.1271u
B 249.678	42.0823	41.4600	42.4520
Ba 389.178	48.7994	48.3002	48.2501
Be 313.042	0.0154	0.0205	0.0194
Ca 370.602	911.9	907.6	899.4
Cd 226.502	-0.1338u	0.0134u	-0.0570u
Co 228.615	0.9461	1.0265	-0.0207u
Cr 267.716	0.0038	0.1878	-0.0192
Cu 324.754	1.3248	1.4836	1.3643
Fe 271.441	-4.9145u	2.7414	0.0632
K 766.491	307.387	306.484	304.582
Mg 279.078	285.567	286.510	280.511
Mn 257.610	6.8181	6.8137	6.7790
Mo 202.032	0.0356	-0.5088u	1.0045
Na 330.237	114237x	113966x	113604x
Ni 231.604	0.8910	2.1559	1.0478
Pb 220.353	3.4821	4.7756	6.1929
Sb 206.834	-1.5556u	0.2187	-1.2876u
Se 196.026	3.2874	-0.9671u	7.6227
Sn 189.925	-1.8552u	-1.6422u	-1.2420u
Sr 216.596	2.0473	2.6298	3.0529
Ti 334.941	0.0732	0.0896	0.0822
Tl 190.794	3.8573	5.1145	-3.2381u
V 292.401	-0.1534u	-0.5581u	0.4444
Zn 206.200	3.5228	1.2635	3.4690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2463b	ppb	0.2240	90.9	-83.6393
Al 308.215	60.9797b	ppb	0.2106	0.3	620.563
As 188.980	-4.3528b	ppb	1.2382	28.4	-3.0955
B 249.678	41.9981b	ppb	0.5014	1.2	592.205
Ba 389.178	48.4499b	ppb	0.3037	0.6	1167.07
Be 313.042	0.0184b	ppb	0.0027	14.5	-188.208
Ca 370.602	906.3b	ppb	6.359	0.7	2983
Cd 226.502	-0.0591b	ppb	0.0736	124.5	8.2256
Co 228.615	0.6506b	ppb	0.5828	89.6	19.5043
Cr 267.716	0.0574b	ppb	0.1135	197.5	7.0663
Cu 324.754	1.3909b	ppb	0.0827	5.9	178.821
Fe 271.441	-0.7033b	ppb	3.8851	552.4	2.4961
K 766.491	306.151b	ppb	1.4319	0.5	15627.5
Mg 279.078	284.196b	ppb	3.2259	1.1	617.272
Mn 257.610	6.8036b	ppb	0.0214	0.3	1626.67
Mo 202.032	0.1771b	ppb	0.7665	432.8	10.3864
Na 330.237	113936xb	ppb	317.450	0.3	5880.45
Ni 231.604	1.3649b	ppb	0.6895	50.5	5.8896
Pb 220.353	4.8169b	ppb	1.3559	28.1	11.4745
Sb 206.834	-0.8749b	ppb	0.9565	109.3	0.6431
Se 196.026	3.3143b	ppb	4.2950	129.6	0.4919
Sn 189.925	-1.5798b	ppb	0.3113	19.7	-2.5100
Sr 216.596	2.5767b	ppb	0.5049	19.6	33.5551
Ti 334.941	0.0817b	ppb	0.0082	10.1	-77.6098
Tl 190.794	1.9112b	ppb	4.5036	235.6	0.0827
V 292.401	-0.0890b	ppb	0.5043	566.6	0.3737
Zn 206.200	2.7518b	ppb	1.2891	46.8	6.6506

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680-88510-a-9-b (Samp) 3/26/2013, 6:43:10 PM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4557u	-0.4335u	-0.1266u
Al 308.215	49.3660	51.9526	51.8690
As 188.980	4.2782	-2.7234u	-6.7386u
B 249.678	39.3921	39.8139	39.2359
Ba 389.178	37.2655	37.3247	37.2630
Be 313.042	-0.0020u	0.0051u	-0.0018u
Ca 370.602	1140	1139	1145
Cd 226.502	-0.0330u	-0.0765u	-0.1347u
Co 228.615	0.3410	0.4980	0.3641
Cr 267.716	0.0079	-0.1051u	0.1229
Cu 324.754	0.5211	0.9967	0.4107
Fe 271.441	-0.1622u	1.7427	-3.3479u
K 766.491	339.301	338.505	339.812
Mg 279.078	277.617	279.652	278.084
Mn 257.610	10.2725	10.2737	10.2470
Mo 202.032	0.7374	-0.6294u	0.5087
Na 330.237	114581x	113981x	114438x
Ni 231.604	1.4511	0.6733	1.6514
Pb 220.353	1.9762	5.4021	2.4200
Sb 206.834	-0.9341u	1.6336	2.1652
Se 196.026	-1.0209u	-0.4248u	4.7065
Sn 189.925	1.1544	-3.4343u	1.7189
Sr 216.596	2.7240	3.1655	2.4478
Ti 334.941	0.0614	0.0558	0.0767
Tl 190.794	2.0654	-1.6307u	-1.7259u
V 292.401	-0.1632u	0.1111	-0.3574u
Zn 206.200	2.8215	3.4942	2.0604

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3386b	ppb	0.1839	54.3	-90.1077
Al 308.215	51.0625b	ppb	1.4698	2.9	562.771
As 188.980	-1.7279b	ppb	5.5754	322.7	-1.4690
B 249.678	39.4807b	ppb	0.2990	0.8	568.441
Ba 389.178	37.2844b	ppb	0.0349	0.1	891.360
Be 313.042	0.0004b	ppb	0.0041	925.1	-223.408
Ca 370.602	1141b	ppb	2.748	0.2	3758
Cd 226.502	-0.0814b	ppb	0.0510	62.7	7.3880
Co 228.615	0.4010b	ppb	0.0848	21.1	16.5814
Cr 267.716	0.0086b	ppb	0.1140	1329.6	4.9524
Cu 324.754	0.6428b	ppb	0.3114	48.4	141.952
Fe 271.441	-0.5891b	ppb	2.5720	436.6	2.6838
K 766.491	339.206b	ppb	0.6585	0.2	17292.5
Mg 279.078	278.451b	ppb	1.0661	0.4	605.253
Mn 257.610	10.2644b	ppb	0.0151	0.1	2423.71
Mo 202.032	0.2056b	ppb	0.7321	356.2	10.5752
Na 330.237	114333xb	ppb	313.320	0.3	5900.96
Ni 231.604	1.2586b	ppb	0.5167	41.1	5.6115
Pb 220.353	3.2661b	ppb	1.8631	57.0	8.9147
Sb 206.834	0.9549b	ppb	1.6574	173.6	2.3531
Se 196.026	1.0869b	ppb	3.1488	289.7	-0.6025
Sn 189.925	-0.1870b	ppb	2.8264	1511.2	-1.4273
Sr 216.596	2.7791b	ppb	0.3620	13.0	35.5611
Ti 334.941	0.0647b	ppb	0.0108	16.7	-82.1585
Tl 190.794	-0.4304b	ppb	2.1620	502.3	-1.5292
V 292.401	-0.1365b	ppb	0.2354	172.5	-0.8865
Zn 206.200	2.7920b	ppb	0.7173	25.7	67140

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680-88510-a-10-b (Samp) **3/26/2013, 6:48:35 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0519	0.0368	0.1156
Al 308.215	35.3034	35.2740	33.7524
As 188.980	-0.2267u	-1.9128u	-4.3815u
B 249.678	33.6698	35.5406	35.3819
Ba 389.178	61.3345	61.1780	60.1515
Be 313.042	0.0237	0.0266	0.0200
Ca 370.602	2578	2603	2581
Cd 226.502	0.0030u	-0.1562u	0.1052
Co 228.615	-0.0476u	0.7026	-0.2130u
Cr 267.716	0.0708	-0.2441u	-0.2903u
Cu 324.754	0.3965	0.3482	-0.0174u
Fe 271.441	-3.9710u	4.2367	-6.1688u
K 766.491	541.659	543.554	537.583
Mg 279.078	462.291	461.117	458.472
Mn 257.610	12.6710	12.7674	12.6266
Mo 202.032	-0.1572u	-0.5988u	-0.9803u
Na 330.237	113195x	113723x	112846x
Ni 231.604	0.7241	2.3368	1.2729
Pb 220.353	-0.1572u	4.3079	0.8459
Sb 206.834	-2.0365u	-1.8212u	0.4256
Se 196.026	-3.8293u	5.7864	2.6788
Sn 189.925	-0.7822u	-0.9214u	-2.2513u
Sr 216.596	7.4033	8.4516	7.2678
Ti 334.941	-0.0306u	0.0035u	0.0294
Tl 190.794	-4.7869u	5.4884	-0.2187u
V 292.401	-0.1647u	-0.5021u	-0.4947u
Zn 206.200	0.5299	2.9267	1.3327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0681b	ppb	0.0418	61.4	-61.6974
Al 308.215	34.7766b	ppb	0.8871	2.6	467.887
As 188.980	-2.1737b	ppb	2.0897	96.1	-1.7327
B 249.678	34.8641b	ppb	1.0373	3.0	524.862
Ba 389.178	60.8880b	ppb	0.6426	1.1	1474.68
Be 313.042	0.0234b	ppb	0.0033	14.2	-177.591
Ca 370.602	2587b	ppb	13.30	0.5	8526
Cd 226.502	-0.0160b	ppb	0.1317	822.7	9.8547
Co 228.615	0.1474b	ppb	0.4880	331.1	13.6159
Cr 267.716	-0.1546b	ppb	0.1965	127.1	-2.1769
Cu 324.754	0.2424b	ppb	0.2263	93.4	122.211
Fe 271.441	-1.9677b	ppb	5.4844	278.7	0.3314
K 766.491	540.932b	ppb	3.0511	0.6	27454.0
Mg 279.078	460.627b	ppb	1.9559	0.4	984.742
Mn 257.610	12.6883b	ppb	0.0720	0.6	2983.02
Mo 202.032	-0.5788b	ppb	0.4119	71.2	5.3705
Na 330.237	113255xb	ppb	441.220	0.4	5845.31
Ni 231.604	1.4446b	ppb	0.8199	56.8	6.0979
Pb 220.353	1.6655b	ppb	2.3427	140.7	6.2728
Sb 206.834	-1.1440b	ppb	1.3636	119.2	0.3993
Se 196.026	1.5453b	ppb	4.9070	317.5	-0.3765
Sn 189.925	-1.3183b	ppb	0.8110	61.5	-2.3064
Sr 216.596	7.7076b	ppb	0.6479	8.4	83.7185
Ti 334.941	0.0008b	ppb	0.0301	3727.5	-98.2009
Tl 190.794	0.1610b	ppb	5.1482	3198.4	-1.1254
V 292.401	-0.3872b	ppb	0.1927	49.8	-7.8422
Zn 206.200	1.5964b	ppb	1.2199	171.6	4.8444

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680-88510-a-11-b (Samp) 3/26/2013, 6:54:01 PM Rack 1, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5127u	-0.3973u	0.0559
Al 308.215	13.3414	9.3312	12.0706
As 188.980	3.7991	-1.7080u	-13.6934u
B 249.678	37.1252	38.3421	39.1792
Ba 389.178	43.8126	43.2686	43.3746
Be 313.042	-0.0034u	-0.0105u	-0.0027u
Ca 370.602	2072	2062	2082
Cd 226.502	-0.1299u	-0.0593u	-0.1290u
Co 228.615	0.0234	0.3265	0.1890
Cr 267.716	-0.2046u	0.2149	0.1070
Cu 324.754	1.2691	1.3949	1.6160
Fe 271.441	-1.1653u	-5.1992u	-6.2071u
K 766.491	503.231	499.015	502.666
Mg 279.078	476.505	479.497	480.575
Mn 257.610	13.3253	13.2769	13.4124
Mo 202.032	-0.0651u	-0.2410u	-0.0787u
Na 330.237	116877x	116664x	117356x
Ni 231.604	0.8860	1.8311	0.6287
Pb 220.353	2.5923	0.3006	3.6008
Sb 206.834	5.2070	2.4176	-0.2770u
Se 196.026	0.2858	10.6546	6.3226
Sn 189.925	3.6903	1.1089	1.1507
Sr 216.596	6.6605	6.4396	6.1837
Ti 334.941	0.0110u	0.0432	0.0022u
Tl 190.794	0.9136	-0.0102u	2.9494
V 292.401	0.0609	-0.2950u	0.1559
Zn 206.200	2.6690	1.4116	2.2818

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2847b	ppb	0.3006	105.6	-86.4575
Al 308.215	11.5811b	ppb	2.0494	17.7	332.830
As 188.980	-3.8674b	ppb	8.9439	231.3	-2.7851
B 249.678	38.2155b	ppb	1.0329	2.7	556.503
Ba 389.178	43.4852b	ppb	0.2884	0.7	1045.02
Be 313.042	-0.0056b	ppb	0.0043	78.1	-235.146
Ca 370.602	2072b	ppb	10.38	0.5	6828
Cd 226.502	-0.1061b	ppb	0.0405	38.2	6.4356
Co 228.615	0.1797b	ppb	0.1518	84.5	13.9906
Cr 267.716	0.0391b	ppb	0.2179	556.9	6.3393
Cu 324.754	1.4267b	ppb	0.1756	12.3	180.565
Fe 271.441	-4.1905b	ppb	2.6679	63.7	-3.4813
K 766.491	501.638b	ppb	2.2887	0.5	25474.7
Mg 279.078	478.859b	ppb	2.1087	0.4	1022.72
Mn 257.610	13.3382b	ppb	0.0687	0.5	3132.74
Mo 202.032	-0.1283b	ppb	0.0979	76.3	8.3600
Na 330.237	116966xb	ppb	354.294	0.3	6036.85
Ni 231.604	1.1152b	ppb	0.6331	56.8	5.2365
Pb 220.353	2.1646b	ppb	1.6912	78.1	7.0974
Sb 206.834	2.4492b	ppb	2.7422	112.0	3.7505
Se 196.026	5.7544b	ppb	5.2077	90.5	1.6933
Sn 189.925	1.9833b	ppb	1.4785	74.5	0.2609
Sr 216.596	6.4279b	ppb	0.2386	3.7	71.1998
Ti 334.941	0.0188b	ppb	0.0216	115.0	-93.6533
Tl 190.794	1.2843b	ppb	1.5142	117.9	-0.3542
V 292.401	-0.0261b	ppb	0.2377	911.2	2.2516
Zn 206.200	2.1208b	ppb	0.6439	30.4	5.6641

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680-88510-a-12-b (Samp) 3/26/2013, 6:59:26 PM Rack 1, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1861u	0.3471	-0.3265u
Al 308.215	14.8034	16.3509	14.3581
As 188.980	-2.9113u	-3.4252u	-5.6324u
B 249.678	32.2244	32.4530	34.6590
Ba 389.178	47.8440	47.0869	47.0221
Be 313.042	0.0063u	0.0069	0.0071
Ca 370.602	1717	1726	1714
Cd 226.502	0.0665	-0.1651u	0.1159
Co 228.615	0.0089	0.4343	-0.2272u
Cr 267.716	0.3070	0.0652	0.4425
Cu 324.754	1.3670	1.3259	1.4133
Fe 271.441	8.5633	2.1267	-0.3799u
K 766.491	382.020	379.436	379.289
Mg 279.078	499.349	501.750	494.011
Mn 257.610	5.2834	5.2808	5.2493
Mo 202.032	-0.3357u	0.4027	0.1895
Na 330.237	113410x	113784x	112987x
Ni 231.604	1.2736	1.3061	2.2022
Pb 220.353	6.1045	6.7613	7.9611
Sb 206.834	3.0221	-4.1386u	-2.7179u
Se 196.026	6.9559	5.0408	4.1323
Sn 189.925	1.1107	4.2029	-0.1904u
Sr 216.596	6.5602	6.6842	6.1597
Ti 334.941	-0.0337u	-0.0023u	0.0104u
Tl 190.794	-4.3209u	-0.7235u	6.2659
V 292.401	0.0385	0.2842	0.0836
Zn 206.200	0.8227	3.4344	3.8383

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0552b	ppb	0.3554	644.0	-70.3631
Al 308.215	15.1708b	ppb	1.0460	6.9	353.751
As 188.980	-3.9896b	ppb	1.4457	36.2	-2.8638
B 249.678	33.1121b	ppb	1.3445	4.1	508.325
Ba 389.178	47.3177b	ppb	0.4569	1.0	1139.71
Be 313.042	0.0068b	ppb	0.0004	5.9	-210.715
Ca 370.602	1719b	ppb	6.648	0.4	5663
Cd 226.502	0.0058b	ppb	0.1500	2605.1	10.6671
Co 228.615	0.0720b	ppb	0.3353	465.5	12.7209
Cr 267.716	0.2716b	ppb	0.1912	70.4	16.3963
Cu 324.754	1.3687b	ppb	0.0437	3.2	177.713
Fe 271.441	3.4367b	ppb	4.6132	134.2	9.4334
K 766.491	380.248b	ppb	1.5361	0.4	19360.0
Mg 279.078	498.370b	ppb	3.9610	0.8	1063.49
Mn 257.610	5.2712b	ppb	0.0190	0.4	1274.93
Mo 202.032	0.0855b	ppb	0.3800	444.7	9.7780
Na 330.237	113394xb	ppb	399.003	0.4	5852.46
Ni 231.604	1.5940b	ppb	0.5270	33.1	6.4887
Pb 220.353	6.9423b	ppb	0.9415	13.6	14.9859
Sb 206.834	-1.2781b	ppb	3.7913	296.6	0.2739
Se 196.026	5.3763b	ppb	1.4414	26.8	1.5054
Sn 189.925	1.7077b	ppb	2.2566	132.1	0.0454
Sr 216.596	6.4680b	ppb	0.2742	4.2	71.5517
Ti 334.941	-0.0085b	ppb	0.0227	266.5	-100.528
Tl 190.794	0.4072b	ppb	5.3832	1322.2	-0.9489
V 292.401	0.1354b	ppb	0.1308	96.6	6.7747
Zn 206.200	2.6985b	ppb	1.6370	60.7	6.5668

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88510-a-13-b (Samp) 3/26/2013, 7:04:52 PM Rack 1, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7156	-0.0662u	-0.0961u
Al 308.215	25.7860	25.3019	24.3088
As 188.980	1.5395	1.4333	-1.2400u
B 249.678	42.9449	44.4594	43.4017
Ba 389.178	25.8972	25.3709	25.7738
Be 313.042	-0.0088u	-0.0089u	0.0003u
Ca 370.602	2369	2385	2379
Cd 226.502	0.0269	-0.1072u	-0.1190u
Co 228.615	0.0547	-0.2561u	-0.2218u
Cr 267.716	-0.1399u	0.0106	0.1279
Cu 324.754	0.7743	0.4806	1.1405
Fe 271.441	-3.2968u	1.0537	5.5363
K 766.491	433.099	434.707	430.260
Mg 279.078	467.270	471.424	468.986
Mn 257.610	17.2570	17.4691	17.2666
Mo 202.032	0.6173	0.4365	-0.1987u
Na 330.237	113454x	114212x	113593x
Ni 231.604	1.2514	1.0011	0.0770
Pb 220.353	1.0764	0.6773	3.0813
Sb 206.834	2.7651	-2.2179u	2.2025
Se 196.026	6.7388	3.9323	2.3392
Sn 189.925	-1.4647u	0.3759	1.9389
Sr 216.596	6.0786	5.3912	5.8367
Ti 334.941	0.1619	0.0139u	0.2047
Tl 190.794	4.7851	-0.1143u	-0.0905u
V 292.401	-0.1704u	-0.3366u	0.1604
Zn 206.200	2.6998	2.9597	2.7279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1844b	ppb	0.4602	249.5	-53.4128
Al 308.215	25.1322b	ppb	0.7531	3.0	411.792
As 188.980	0.5776b	ppb	1.5750	272.7	-0.0320
B 249.678	43.6020b	ppb	0.7768	1.8	607.341
Ba 389.178	25.6806b	ppb	0.2752	1.1	605.386
Be 313.042	-0.0058b	ppb	0.0053	91.8	-235.136
Ca 370.602	2378b	ppb	8.125	0.3	7835
Cd 226.502	-0.0664b	ppb	0.0810	122.0	7.9666
Co 228.615	-0.1411b	ppb	0.1704	120.8	10.2118
Cr 267.716	-0.0004b	ppb	0.1342	30056.7	4.5781
Cu 324.754	0.7985b	ppb	0.3306	41.4	149.624
Fe 271.441	1.0978b	ppb	4.4167	402.3	5.4758
K 766.491	432.689b	ppb	2.2520	0.5	22001.5
Mg 279.078	469.226b	ppb	2.0875	0.4	1002.59
Mn 257.610	17.3309b	ppb	0.1198	0.7	4052.32
Mo 202.032	0.2850b	ppb	0.4285	150.3	11.1024
Na 330.237	113753xb	ppb	403.516	0.4	5871.03
Ni 231.604	0.7765b	ppb	0.6186	79.7	4.3508
Pb 220.353	1.6117b	ppb	1.2883	79.9	6.1844
Sb 206.834	0.9166b	ppb	2.7290	297.7	2.3162
Se 196.026	4.3368b	ppb	2.2275	51.4	0.9973
Sn 189.925	0.2833b	ppb	1.7037	601.3	-1.0614
Sr 216.596	5.7688b	ppb	0.3487	6.0	64.8021
Ti 334.941	0.1268b	ppb	0.1001	79.0	-64.8423
Tl 190.794	1.5268b	ppb	2.8218	184.8	-0.1922
V 292.401	-0.1155b	ppb	0.2530	219.1	-0.3143
Zn 206.200	2.7958b	ppb	0.1426	5.1	67198

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680-88510-a-14-b (Samp) 3/26/2013, 7:10:18 PM Rack 1, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1369	0.0298	-0.5196u
Al 308.215	11.8041	12.4029	14.8839
As 188.980	1.6447	1.5395	-1.3660u
B 249.678	13.0099	13.3735	15.0552
Ba 389.178	36.7744	36.5475	36.7493
Be 313.042	-0.0086u	-0.0139u	-0.0139u
Ca 370.602	1585	1593	1598
Cd 226.502	0.2073	0.0719	-0.0659u
Co 228.615	0.4426	0.1536	0.3632
Cr 267.716	0.1349	-0.0245	-0.1031u
Cu 324.754	0.1291	0.3065	0.7414
Fe 271.441	-0.0730u	0.1358	2.5217
K 766.491	461.292	459.403	462.649
Mg 279.078	268.366	268.452	271.699
Mn 257.610	2.2212	2.2180	2.2282
Mo 202.032	0.0472	-0.3912u	0.2203
Na 330.237	113001x	113232x	114022x
Ni 231.604	1.5724	2.1841	0.9300
Pb 220.353	3.9854	3.9570	7.7213
Sb 206.834	0.4733	1.2661	-6.3555u
Se 196.026	7.5537	8.8019	4.5546
Sn 189.925	1.1997	3.6083	0.9251
Sr 216.596	5.7663	6.1575	6.4557
Ti 334.941	0.0110u	0.1112	0.1021
Tl 190.794	-5.8187u	4.4882	-0.0557u
V 292.401	0.0373	0.2822	-0.1056u
Zn 206.200	2.9530	-0.0213u	1.4326

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2157b	ppb	0.8437	391.2	-51.2906
Al 308.215	13.0303b	ppb	1.6330	12.5	341.286
As 188.980	0.6060b	ppb	1.7087	281.9	-0.0209
B 249.678	13.8129b	ppb	1.0912	7.9	326.143
Ba 389.178	36.6904b	ppb	0.1244	0.3	876.669
Be 313.042	-0.0121b	ppb	0.0031	25.2	-247.798
Ca 370.602	1592b	ppb	6.668	0.4	5243
Cd 226.502	0.0711b	ppb	0.1366	192.1	13.1265
Co 228.615	0.3198b	ppb	0.1493	46.7	15.6326
Cr 267.716	0.0024b	ppb	0.1213	5004.4	4.6341
Cu 324.754	0.3923b	ppb	0.3150	80.3	129.601
Fe 271.441	0.8615b	ppb	1.4416	167.3	5.1219
K 766.491	461.115b	ppb	1.6303	0.4	23433.4
Mg 279.078	269.506b	ppb	1.8998	0.7	586.754
Mn 257.610	2.2225b	ppb	0.0052	0.2	571.496
Mo 202.032	-0.0412b	ppb	0.3152	765.0	8.9373
Na 330.237	113418xb	ppb	535.548	0.5	5853.75
Ni 231.604	1.5621b	ppb	0.6271	40.1	6.4054
Pb 220.353	5.2212b	ppb	2.1652	41.5	12.1428
Sb 206.834	-1.5387b	ppb	4.1903	272.3	0.0289
Se 196.026	6.9701b	ppb	2.1830	31.3	2.2883
Sn 189.925	1.9110b	ppb	1.4763	77.3	0.2034
Sr 216.596	6.1265b	ppb	0.3458	5.6	68.2119
Ti 334.941	0.0748b	ppb	0.0554	74.1	-79.4563
Tl 190.794	-0.4621b	ppb	5.1654	1117.9	-1.5429
V 292.401	0.0713b	ppb	0.1961	275.0	4.9866
Zn 206.200	1.4548b	ppb	1.4873	102.3	4.6224

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Cont Calib Verif (CCV) 3/26/2013, 7:15:44 PM Rack 1, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	505.590	503.666	508.586
Al 308.215	4997.03	4946.61	4969.06
As 188.980	455.337	460.963	462.336
B 249.678	2496.94	2498.69	2524.93
Ba 389.178	4983.44	4928.39	4950.12
Be 313.042	493.341	487.512	490.323
Ca 370.602	4941	4887	4909
Cd 226.502	486.212	480.833	483.602
Co 228.615	500.028	493.223	493.463
Cr 267.716	4817.11	4768.33	4811.50
Cu 324.754	4815.76	4892.63	4864.44
Fe 271.441	4974.11	4921.23	4925.53
K 766.491	10268.3	10039.7	9918.73
Mg 279.078	4902.31	4865.37	4898.45
Mn 257.610	4958.58	4918.58	4932.15
Mo 202.032	483.811	479.972	484.526
Na 330.237	7251.59	7204.97	7201.40
Ni 231.604	2482.25	2452.78	2470.72
Pb 220.353	489.382	483.489	487.455
Sb 206.834	928.321	932.794	933.632
Se 196.026	4909.49	4845.54	4870.86
Sn 189.925	5069.75	4921.14	4980.09
Sr 216.596	2442.21	2423.15	2439.95
Ti 334.941	489.018	483.728	487.853
Tl 190.794	4923.89	4892.39	4907.04
V 292.401	4961.41	4901.17	4916.40
Zn 206.200	2453.62	2413.44	2446.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	505.948	ppb	2.4795	0.5	35476.8	101.18950
Al 308.215	4970.90	ppb	25.2607	0.5	29187.7	99.41806
As 188.980	459.545	ppb	3.7087	0.8	283.837	91.90907
B 249.678	2506.85	ppb	15.6777	0.6	23855.2	100.27408
Ba 389.178	4953.99	ppb	27.7269	0.6	122326	99.07970
Be 313.042	490.392	ppb	2.9154	0.6	962148	98.07842
Ca 370.602	4912	ppb	27.18	0.6	16060	98.24985
Cd 226.502	483.549	ppb	2.6902	0.6	18201.0	96.70983
Co 228.615	495.571	ppb	3.8614	0.8	5843.12	99.11427
Cr 267.716	4798.98	ppb	26.6894	0.6	209483	95.97967
Cu 324.754	4857.61	ppb	38.8875	0.8	239435	97.15227
Fe 271.441	4940.29	ppb	29.3657	0.6	8526.84	98.80576
K 766.491	10075.6	ppb	177.528	1.8	507740	100.75571
Mg 279.078	4888.71	ppb	20.3032	0.4	10131.4	97.77417
Mn 257.610	4936.44	ppb	20.3406	0.4	1137030	98.72873
Mo 202.032	482.770	ppb	2.4492	0.5	3204.24	96.55390
Na 330.237	7219.32	ppb	28.0031	0.4	349.008	96.25761
Ni 231.604	2468.58	ppb	14.8481	0.6	6458.57	98.74334
Pb 220.353	486.775	ppb	3.0049	0.6	807.322	97.35504
Sb 206.834	931.583	ppb	2.8554	0.3	913.228	93.15827
Se 196.026	4875.30	ppb	32.2057	0.7	2397.31	97.50599
Sn 189.925	4990.33	ppb	74.8353	1.5	3877.63	99.80653
Sr 216.596	2435.10	ppb	10.4134	0.4	23679.6	97.40402
Ti 334.941	486.866	ppb	2.7799	0.6	128822	97.37328
Tl 190.794	4907.78	ppb	15.7630	0.3	3366.67	98.15556
V 292.401	4926.32	ppb	31.3229	0.6	138169	98.52650
Zn 206.200	2437.82	ppb	21.4211	0.8	3890.20	97.51296

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Cont Calib Blank (CCB) 3/26/2013, 7:21:08 PM Rack 1, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0122u	-0.3212u	0.1097
Al 308.215	-2.6124u	-2.5459u	-5.7906u
As 188.980	1.1404	-4.1684u	-4.7559u
B 249.678	42.7506	38.0790	35.1699
Ba 389.178	-0.0856u	0.2706	0.5067
Be 313.042	0.0153	0.0095	0.0032
Ca 370.602	-2.497u	-2.243u	1.570
Cd 226.502	0.1223	-0.0929u	-0.2026u
Co 228.615	0.4653	-0.1112u	-0.0103u
Cr 267.716	-0.0400u	0.4571	-0.0870u
Cu 324.754	0.5001	0.7531	0.4073
Fe 271.441	0.7754	0.3824	9.2586
K 766.491	0.2283	0.6429	-0.1070u
Mg 279.078	0.4654	3.1037	1.8786
Mn 257.610	0.2175	0.1549	0.0636
Mo 202.032	0.9548	0.7898	0.9097
Na 330.237	84.2525	-121.571u	-48.9951u
Ni 231.604	0.2689	-0.0845u	-1.3259u
Pb 220.353	-1.5461u	-6.2249u	-0.9068u
Sb 206.834	2.2782	1.8391	9.2520
Se 196.026	10.9516	1.3439	2.6507
Sn 189.925	4.1760	3.5291	0.1417
Sr 216.596	0.1547	0.0138	-0.3840u
Ti 334.941	0.0912	0.0731	0.1188
Tl 190.794	-2.3463u	-0.3447u	-0.0943u
V 292.401	0.3262	-0.0308u	0.0634
Zn 206.200	-0.3554u	0.0529	-0.7593u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0746	ppb	0.2221	297.7	-71.4528	-0.07459
Al 308.215	-3.6496	ppb	1.8544	50.8	244.257	-3.64964
As 188.980	-2.5946	ppb	3.2480	125.2	-2.0152	-2.59463
B 249.678	38.6665	ppb	3.8244	9.9	560.754	38.66652
Ba 389.178	0.2305	ppb	0.2981	129.3	-24.3249	0.23054
Be 313.042	0.0093	ppb	0.0060	64.9	-192.468	0.00931
Ca 370.602	-1.056	ppb	2.278	215.6	-9.757	-1.05649
Cd 226.502	-0.0577	ppb	0.1653	286.2	8.9298	-0.05774
Co 228.615	0.1146	ppb	0.3079	268.7	13.1970	0.11459
Cr 267.716	0.1100	ppb	0.3015	274.0	7.4591	0.11004
Cu 324.754	0.5535	ppb	0.1790	32.3	137.565	0.55353
Fe 271.441	3.4721	ppb	5.0151	144.4	9.5955	3.47213
K 766.491	0.2548	ppb	0.3757	147.5	218.647	0.25476
Mg 279.078	1.8159	ppb	1.3203	72.7	29.1188	1.81588
Mn 257.610	0.1453	ppb	0.0774	53.2	92.2075	0.14533
Mo 202.032	0.8848	ppb	0.0853	9.6	15.0819	0.88476
Na 330.237	-28.7713	ppb	104.392	362.8	-1.4919	-28.77128
Ni 231.604	-0.3805	ppb	0.8376	220.1	1.3247	-0.38054
Pb 220.353	-2.8926	ppb	2.9035	100.4	-1.2584	-2.89261
Sb 206.834	4.4564	ppb	4.1589	93.3	5.6133	4.45643
Se 196.026	4.9821	ppb	5.2109	104.6	1.3103	4.98208
Sn 189.925	2.6156	ppb	2.1668	82.8	0.7122	2.61560
Sr 216.596	-0.0718	ppb	0.2794	389.0	7.6868	-0.07183
Ti 334.941	0.0944	ppb	0.0230	24.4	-66.9351	0.09436
Tl 190.794	-0.9284	ppb	1.2343	132.9	-1.8613	-0.92844
V 292.401	0.1196	ppb	0.1850	154.7	7.1220	0.11961
Zn 206.200	-0.3539	ppb	0.4061	114.7	893.7934	-0.35394

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9670u	-0.2040u	0.2861
Al 308.215	8.1108	7.4849	6.9227
As 188.980	0.1667	-3.1986u	-4.3488u
B 249.678	57.2781	55.0805	55.3627
Ba 389.178	28.3032	28.4852	29.0421
Be 313.042	-0.0022u	-0.0016u	0.0025u
Ca 370.602	1514	1505	1510
Cd 226.502	-0.0862u	-0.1236u	-0.0022u
Co 228.615	0.0388	0.7710	0.3565
Cr 267.716	0.0304	-0.1138u	0.2220
Cu 324.754	0.6505	1.0623	0.7357
Fe 271.441	7.6777	-4.6386u	3.4870
K 766.491	542.465	539.535	533.090
Mg 279.078	368.337	365.995	368.058
Mn 257.610	15.9555	15.9286	15.8531
Mo 202.032	0.4113	-0.5783u	0.8764
Na 330.237	108524x	107946x	107879x
Ni 231.604	0.6426	1.4113	0.8091
Pb 220.353	1.4346	2.6181	3.4352
Sb 206.834	3.6162	0.9549	6.0160
Se 196.026	6.3022	8.2630	-2.2406u
Sn 189.925	1.1784	-0.9269u	-1.0690u
Sr 216.596	5.3903	4.5193	4.9828
Ti 334.941	0.0153u	0.0395	0.1303
Tl 190.794	3.5453	-1.1888u	-3.4235u
V 292.401	-0.3498u	-0.2209u	0.2072
Zn 206.200	2.3331	2.4876	2.2659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2950b	ppb	0.6315	214.1	-87.1071
Al 308.215	7.5061b	ppb	0.5943	7.9	309.170
As 188.980	-2.4602b	ppb	2.3465	95.4	-1.9191
B 249.678	55.9071b	ppb	1.1956	2.1	723.504
Ba 389.178	28.6102b	ppb	0.3850	1.3	677.429
Be 313.042	-0.0004b	ppb	0.0026	578.4	-224.315
Ca 370.602	1510b	ppb	4.144	0.3	4973
Cd 226.502	-0.0707b	ppb	0.0622	88.0	7.8272
Co 228.615	0.3888b	ppb	0.3672	94.4	16.4314
Cr 267.716	0.0462b	ppb	0.1685	364.5	6.5153
Cu 324.754	0.8162b	ppb	0.2174	26.6	150.499
Fe 271.441	2.1754b	ppb	6.2620	287.9	7.3957
K 766.491	538.364b	ppb	4.7962	0.9	27324.7
Mg 279.078	367.464b	ppb	1.2792	0.3	790.614
Mn 257.610	15.9124b	ppb	0.0531	0.3	3725.04
Mo 202.032	0.2364b	ppb	0.7429	314.2	10.7802
Na 330.237	108116xb	ppb	354.933	0.3	5580.10
Ni 231.604	0.9543b	ppb	0.4044	42.4	4.8158
Pb 220.353	2.4960b	ppb	1.0059	40.3	7.6445
Sb 206.834	3.5290b	ppb	2.5317	71.7	4.7528
Se 196.026	4.1082b	ppb	5.5850	135.9	0.8845
Sn 189.925	-0.2725b	ppb	1.2585	461.9	-1.4956
Sr 216.596	4.9641b	ppb	0.4358	8.8	56.8761
Ti 334.941	0.0617b	ppb	0.0606	98.3	-82.1115
Tl 190.794	-0.3557b	ppb	3.5583	1000.5	-1.4836
V 292.401	-0.1212b	ppb	0.2916	240.7	-0.4598
Zn 206.200	2.3622b	ppb	0.137	178.8	6.0413

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680-88510-a-16-b (Samp) 3/26/2013, 7:31:55 PM Rack 1, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3581	0.1822	-0.3934u
Al 308.215	25.5578	28.9360	28.5789
As 188.980	-0.1197u	-4.9914u	2.6814
B 249.678	28.6861	31.4055	30.2937
Ba 389.178	33.6528	35.3523	34.6727
Be 313.042	0.0246	0.0347	0.0306
Ca 370.602	1952	2025	2022
Cd 226.502	-0.2494u	0.0981	-0.1058u
Co 228.615	1.0070	0.6625	0.7822
Cr 267.716	0.1781	-0.0269	-0.0326
Cu 324.754	0.7176	0.7099	0.4618
Fe 271.441	5.2894	1.6293	-1.2586u
K 766.491	555.159	570.830	568.731
Mg 279.078	429.314	445.233	441.407
Mn 257.610	45.9534	47.6701	47.6448
Mo 202.032	-0.4973u	-0.4951u	0.6166
Na 330.237	89778.3	92654.7x	92551.8x
Ni 231.604	0.5489	1.1448	2.6119
Pb 220.353	1.1589	2.7602	2.5244
Sb 206.834	-1.6918u	0.4166	0.0649
Se 196.026	7.9674	1.5536	4.4088
Sn 189.925	1.7780	3.5742	0.1413
Sr 216.596	5.6386	5.8596	5.9486
Ti 334.941	0.0616	0.1251	0.0861
Tl 190.794	-1.2515u	-4.8338u	0.2712
V 292.401	-0.2549u	0.2758	-0.2048u
Zn 206.200	4.9542	3.8390	4.9682

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0490b	ppb	0.3931	802.8	-62.8121
Al 308.215	27.6909b	ppb	1.8559	6.7	426.625
As 188.980	-0.8099b	ppb	3.8827	479.4	-0.8936
B 249.678	30.1284b	ppb	1.3672	4.5	480.160
Ba 389.178	34.5593b	ppb	0.8554	2.5	824.514
Be 313.042	0.0299b	ppb	0.0051	16.9	-162.402
Ca 370.602	2000b	ppb	41.12	2.1	6589
Cd 226.502	-0.0857b	ppb	0.1746	203.7	7.3521
Co 228.615	0.8172b	ppb	0.1749	21.4	21.4874
Cr 267.716	0.0395b	ppb	0.1200	303.7	6.0750
Cu 324.754	0.6298b	ppb	0.1455	23.1	141.296
Fe 271.441	1.8867b	ppb	3.2816	173.9	6.9795
K 766.491	564.907b	ppb	8.5068	1.5	28661.7
Mg 279.078	438.651b	ppb	8.3096	1.9	938.420
Mn 257.610	47.0894b	ppb	0.9839	2.1	10906.0
Mo 202.032	-0.1253b	ppb	0.6425	512.8	8.3797
Na 330.237	91661.6xb	ppb	1631.82	1.8	4730.82
Ni 231.604	1.4352b	ppb	1.0617	74.0	6.0734
Pb 220.353	2.1478b	ppb	0.8646	40.3	7.0765
Sb 206.834	-0.4035b	ppb	1.1295	280.0	1.0919
Se 196.026	4.6433b	ppb	3.2133	69.2	1.1552
Sn 189.925	1.8312b	ppb	1.7171	93.8	0.1342
Sr 216.596	5.8156b	ppb	0.1597	2.7	65.2296
Ti 334.941	0.0909b	ppb	0.0320	35.2	-72.8320
Tl 190.794	-1.9380b	ppb	2.6208	135.2	-2.6014
V 292.401	-0.0613b	ppb	0.2930	477.9	1.4810
Zn 206.200	4.5871b	ppb	0.6479	14.1	9.5211

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680-88510-a-18-b (Samp) 3/26/2013, 7:37:20 PM Rack 1, Tube 53
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2506u	-0.4997u	-0.1327u
Al 308.215	34.3367	35.5313	34.2773
As 188.980	1.9461	-2.0320u	-3.6433u
B 249.678	37.2093	35.9677	37.5092
Ba 389.178	27.3415	27.0093	26.0058
Be 313.042	0.0308	0.0121	0.0214
Ca 370.602	3266	3238	3263
Cd 226.502	-0.2908u	-0.0659u	0.1591
Co 228.615	0.9791	0.8120	1.0437
Cr 267.716	-0.0129	0.2701	-0.0071
Cu 324.754	0.4150	0.4656	0.5539
Fe 271.441	-3.6209u	-0.1302u	-4.8718u
K 766.491	667.007	663.578	663.342
Mg 279.078	574.119	569.466	577.893
Mn 257.610	34.1349	33.8701	34.1603
Mo 202.032	-0.5130u	-0.4267u	-0.3621u
Na 330.237	119027x	118575x	118758x
Ni 231.604	0.3212	0.7873	1.3266
Pb 220.353	1.4822	0.8454	-0.9418u
Sb 206.834	-2.0991u	1.5954	2.7095
Se 196.026	-2.4629u	6.7765	1.2829
Sn 189.925	-1.3024u	2.0847	-0.7476u
Sr 216.596	5.5322	5.1559	5.7192
Ti 334.941	-0.0408u	0.0434	0.0177u
Tl 190.794	2.4387	0.3764	5.7298
V 292.401	-0.1282u	0.0488	0.1270
Zn 206.200	8.6149	6.5342	9.1230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2943b	ppb	0.1873	63.7	-87.0255
Al 308.215	34.7151b	ppb	0.7075	2.0	467.524
As 188.980	-1.2431b	ppb	2.8770	231.4	-1.1511
B 249.678	36.8954b	ppb	0.8173	2.2	544.039
Ba 389.178	26.7855b	ppb	0.6954	2.6	632.943
Be 313.042	0.0214b	ppb	0.0094	43.7	-181.989
Ca 370.602	3256b	ppb	15.39	0.5	10731
Cd 226.502	-0.0659b	ppb	0.2249	341.6	7.9442
Co 228.615	0.9449b	ppb	0.1196	12.7	22.9853
Cr 267.716	0.0834b	ppb	0.1617	194.0	8.3826
Cu 324.754	0.4782b	ppb	0.0703	14.7	133.825
Fe 271.441	-2.8743b	ppb	2.4574	85.5	-1.1524
K 766.491	664.642b	ppb	2.0511	0.3	33685.7
Mg 279.078	573.826b	ppb	4.2210	0.7	1220.23
Mn 257.610	34.0551b	ppb	0.1607	0.5	7904.67
Mo 202.032	-0.4339b	ppb	0.0757	17.5	6.3312
Na 330.237	118787xb	ppb	227.143	0.2	6130.77
Ni 231.604	0.8117b	ppb	0.5031	62.0	4.4428
Pb 220.353	0.4619b	ppb	1.2567	272.0	4.2895
Sb 206.834	0.7352b	ppb	2.5170	342.3	2.1546
Se 196.026	1.8655b	ppb	4.6471	249.1	-0.2138
Sn 189.925	0.0116b	ppb	1.8167	15685.8	-1.2705
Sr 216.596	5.4691b	ppb	0.2869	5.2	61.9768
Ti 334.941	0.0068b	ppb	0.0432	637.3	-96.5657
Tl 190.794	2.8483b	ppb	2.7001	94.8	0.6995
V 292.401	0.0159b	ppb	0.1307	824.5	3.4317
Zn 206.200	8.0907b	ppb	1.3717	17.0	15.0005

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680-88486-b-1-d (Samp) 3/26/2013, 7:42:55 PM Rack 1, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8211u	-0.1035u	0.0404
Al 308.215	74.9980	76.8891	73.8152
As 188.980	-0.3520u	-3.4240u	-4.1526u
B 249.678	3.8145	2.6736	4.0118
Ba 389.178	57.8120	57.0116	54.9933
Be 313.042	-0.0069u	-0.0184u	-0.0089u
Ca 370.602	7759	7757	7521
Cd 226.502	-0.0448u	0.0961	-0.1331u
Co 228.615	0.5392	-0.2924u	0.5787
Cr 267.716	-0.1216u	-0.0583u	-0.0437
Cu 324.754	0.7406	0.4199	0.0560
Fe 271.441	138.151	146.307	135.784
K 766.491	954.358	950.736	920.520
Mg 279.078	510.511	503.101	483.428
Mn 257.610	25.5410	25.4802	24.7008
Mo 202.032	0.0624	0.0153	-0.3845u
Na 330.237	115500x	115068x	111736x
Ni 231.604	1.2341	1.7041	0.3006
Pb 220.353	-0.2829u	-1.3568u	-0.2764u
Sb 206.834	0.5330	-1.0740u	-2.5298u
Se 196.026	1.9065	3.7226	6.1451
Sn 189.925	1.0633	-1.2527u	2.4345
Sr 216.596	19.7738	19.9622	19.3285
Ti 334.941	0.9113	0.8600	0.9065
Tl 190.794	-0.5966u	-0.6999u	-4.2302u
V 292.401	-0.4608u	0.0608	-0.2028u
Zn 206.200	9.9597	10.6846	10.4828

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2948b	ppb	0.4615	156.6	-87.7080
Al 308.215	75.2341b	ppb	1.5505	2.1	703.513
As 188.980	-2.6428b	ppb	2.0171	76.3	-1.9817
B 249.678	3.5000b	ppb	0.7225	20.6	228.667
Ba 389.178	56.6057b	ppb	1.4525	2.6	1369.24
Be 313.042	-0.0114b	ppb	0.0061	53.9	-244.275
Ca 370.602	7679b	ppb	137.0	1.8	25308
Cd 226.502	-0.0273b	ppb	0.1156	423.7	9.7517
Co 228.615	0.2752b	ppb	0.4919	178.8	15.1261
Cr 267.716	-0.0745b	ppb	0.0414	55.5	1.4120
Cu 324.754	0.4055b	ppb	0.3426	84.5	130.294
Fe 271.441	140.081b	ppb	5.5206	3.9	241.850
K 766.491	941.871b	ppb	18.5789	2.0	47650.5
Mg 279.078	499.013b	ppb	13.9964	2.8	1064.53
Mn 257.610	25.2407b	ppb	0.4685	1.9	5874.62
Mo 202.032	-0.1023b	ppb	0.2455	240.0	8.5263
Na 330.237	114101xb	ppb	2059.82	1.8	5888.89
Ni 231.604	1.0796b	ppb	0.7144	66.2	5.1462
Pb 220.353	-0.6387b	ppb	0.6219	97.4	2.4685
Sb 206.834	-1.0236b	ppb	1.5320	149.7	0.5110
Se 196.026	3.9247b	ppb	2.1265	54.2	0.7973
Sn 189.925	0.7484b	ppb	1.8636	249.0	-0.6977
Sr 216.596	19.6882b	ppb	0.3254	1.7	200.943
Ti 334.941	0.8926b	ppb	0.0283	3.2	137.998
Tl 190.794	-1.8423b	ppb	2.0687	112.3	-2.5189
V 292.401	-0.2009b	ppb	0.2608	129.8	-2.6641
Zn 206.200	10.3757b	ppb	0.3741	3.6	18.5747

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mb 680-270736/1-a (Samp) 3/26/2013, 7:48:20 PM Rack 1, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8149	-0.2470u	-0.3275u
Al 308.215	1.1581	1.0483	1.7180
As 188.980	-4.9214u	-5.1942u	-0.7192u
B 249.678	-10.7577u	-11.2503u	-12.0056u
Ba 389.178	-0.6430u	0.4745	0.6848
Be 313.042	-0.0288u	-0.0214u	-0.0193u
Ca 370.602	17.58	15.76	11.75
Cd 226.502	-0.0858u	-0.0961u	-0.0216u
Co 228.615	-0.1737u	-0.3332u	-0.4500u
Cr 267.716	0.2381	0.2476	0.2361
Cu 324.754	-0.0136u	-0.0723u	0.1335
Fe 271.441	11.6875	19.8427	12.2844
K 766.491	11.4205	11.7081	12.0720
Mg 279.078	3.4927	5.6460	2.4393
Mn 257.610	0.1177	0.0594	0.0306
Mo 202.032	-0.0046u	0.4606	0.1129
Na 330.237	106.904	100.542	-129.372u
Ni 231.604	0.0947	1.8248	1.4975
Pb 220.353	1.2077	-1.7270u	-1.6408u
Sb 206.834	-1.9115u	-8.1877u	-6.6936u
Se 196.026	-5.0893u	-3.8345u	5.8991
Sn 189.925	14.4018	15.3991	15.8707
Sr 216.596	0.1969	0.2532	0.2918
Ti 334.941	0.2126	0.1865	0.1939
Tl 190.794	1.6062	1.9306	-7.2231u
V 292.401	-0.3136u	-0.2893u	-0.2053u
Zn 206.200	3.5409	2.1807	3.2600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0801	ppb	0.6376	795.6	-60.5743
Al 308.215	1.3081	ppb	0.3592	27.5	273.083
As 188.980	-3.6116	ppb	2.5086	69.5	-2.6444
B 249.678	-11.3378	ppb	0.6285	5.5	88.7129
Ba 389.178	0.1721	ppb	0.7137	414.8	-25.7436
Be 313.042	-0.0232	ppb	0.0050	21.4	-256.196
Ca 370.602	15.03	ppb	2.986	19.9	42.26
Cd 226.502	-0.0679	ppb	0.0404	59.5	8.5801
Co 228.615	-0.3189	ppb	0.1387	43.5	8.1095
Cr 267.716	0.2406	ppb	0.0061	2.5	13.1655
Cu 324.754	0.0159	ppb	0.1060	667.7	111.070
Fe 271.441	14.6049	ppb	4.5459	31.1	28.4247
K 766.491	11.7335	ppb	0.3265	2.8	796.865
Mg 279.078	3.8594	ppb	1.6344	42.4	33.3778
Mn 257.610	0.0692	ppb	0.0444	64.1	74.7352
Mo 202.032	0.1896	ppb	0.2419	127.6	10.4690
Na 330.237	26.0248	ppb	134.615	517.3	1.3091
Ni 231.604	1.1390	ppb	0.9191	80.7	5.2991
Pb 220.353	-0.7200	ppb	1.6700	231.9	2.3302
Sb 206.834	-5.5976	ppb	3.2785	58.6	-3.7577
Se 196.026	-1.0082	ppb	6.0148	596.6	-1.6351
Sn 189.925	15.2239	ppb	0.7500	4.9	10.5125
Sr 216.596	0.2473	ppb	0.0477	19.3	10.7943
Ti 334.941	0.1977	ppb	0.0134	6.8	-39.5687
Tl 190.794	-1.2288	ppb	5.1938	422.7	-2.0682
V 292.401	-0.2694	ppb	0.0568	21.1	-3.7491
Zn 206.200	2.9939	ppb	0.7181	24.0	7.0290

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ics 680-270736/2-a (Samp) 3/26/2013, 7:53:46 PM Rack 1, Tube 56
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	13.0292	12.3356	12.9408
Al 308.215	4914.39	4872.51	4922.63
As 188.980	104.404	97.8821	103.035
B 249.678	182.717	183.350	185.645
Ba 389.178	102.747	101.835	102.562
Be 313.042	51.2508	50.7451	51.3733
Ca 370.602	4912	4853	4916
Cd 226.502	50.8374	50.0595	50.6890
Co 228.615	51.5518	51.2756	51.3656
Cr 267.716	99.1398	98.5666	100.017
Cu 324.754	101.048	98.9480	103.042
Fe 271.441	5054.17	5009.09	5071.15
K 766.491	5127.87	5072.75	5111.34
Mg 279.078	4961.70	4921.11	4971.05
Mn 257.610	515.505	511.266	517.471
Mo 202.032	99.1265	97.3897	99.5062
Na 330.237	4548.38	4740.55	4602.18
Ni 231.604	102.239	98.3832	102.215
Pb 220.353	49.9728	49.1553	52.4234
Sb 206.834	42.5611	47.3635	51.8417
Se 196.026	102.789	98.4023	111.282
Sn 189.925	216.920	213.379	217.679
Sr 216.596	101.282	100.095	102.445
Ti 334.941	100.156	98.9442	100.341
Tl 190.794	41.8798	42.1765	36.4749
V 292.401	101.878	101.148	102.569
Zn 206.200	99.5539	99.2284	98.5273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.7686	ppb	0.3775	3.0	830.545
Al 308.215	4903.18	ppb	26.8750	0.5	28828.4
As 188.980	101.774	ppb	3.4389	3.4	62.5358
B 249.678	183.904	ppb	1.5405	0.8	1927.04
Ba 389.178	102.381	ppb	0.4822	0.5	2520.10
Be 313.042	51.1231	ppb	0.3330	0.7	100123
Ca 370.602	4894	ppb	35.26	0.7	15743
Cd 226.502	50.5286	ppb	0.4130	0.8	1922.94
Co 228.615	51.3977	ppb	0.1409	0.3	615.057
Cr 267.716	99.2412	ppb	0.7306	0.7	4337.23
Cu 324.754	101.012	ppb	2.0471	2.0	5090.81
Fe 271.441	5044.80	ppb	32.0749	0.6	8591.73
K 766.491	5103.99	ppb	28.2854	0.6	257308
Mg 279.078	4951.29	ppb	26.5479	0.5	10331.6
Mn 257.610	514.747	ppb	3.1709	0.6	118654
Mo 202.032	98.6741	ppb	1.1284	1.1	663.620
Na 330.237	4630.37	ppb	99.1349	2.1	235.927
Ni 231.604	100.946	ppb	2.2193	2.2	266.432
Pb 220.353	50.5172	ppb	1.7007	3.4	86.7673
Sb 206.834	47.2554	ppb	4.6413	9.8	45.7194
Se 196.026	104.158	ppb	6.5478	6.3	50.2309
Sn 189.925	215.993	ppb	2.2948	1.1	166.572
Sr 216.596	101.274	ppb	1.1746	1.2	992.533
Ti 334.941	99.8138	ppb	0.7586	0.8	26354.3
Tl 190.794	40.1771	ppb	3.2096	8.0	25.7046
V 292.401	101.865	ppb	0.7106	0.7	2844.42
Zn 206.200	99.1032	ppb	0.5246	0.5	157.035

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

ics 680-270736/3-a (Samp) 3/26/2013, 7:59:11 PM Rack 1, Tube 57
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	210.640	212.131	207.381
Al 308.215	2091.50	2098.66	2093.73
As 188.980	215.220	213.633	215.761
B 249.678	384.663	390.268	391.794
Ba 389.178	201.546	201.385	201.334
Be 313.042	203.987	205.272	204.730
Ca 370.602	19728	19826	19809
Cd 226.502	195.032	196.036	195.476
Co 228.615	199.144	199.553	201.339
Cr 267.716	196.321	197.935	198.146
Cu 324.754	205.695	205.889	199.900
Fe 271.441	20759.5	20925.2	20866.0
K 766.491	20202.0	20259.1	20138.5
Mg 279.078	19859.0	19986.9	19955.3
Mn 257.610	2054.03	2068.06	2060.84
Mo 202.032	199.174	199.968	200.479
Na 330.237	17408.4	17851.0	17579.1
Ni 231.604	202.749	203.461	203.484
Pb 220.353	195.006	197.641	200.147
Sb 206.834	181.365	184.175	183.872
Se 196.026	205.574	204.573	206.734
Sn 189.925	216.430	224.984	218.966
Sr 216.596	212.914	213.514	214.915
Ti 334.941	200.810	201.986	201.921
Tl 190.794	51.7434	42.5731	44.5037
V 292.401	203.490	204.401	203.228
Zn 206.200	188.043	187.712	189.107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	210.050	ppb	2.4291	1.2	14713.2
Al 308.215	2094.63	ppb	3.6640	0.2	12485.9
As 188.980	214.871	ppb	1.1061	0.5	132.463
B 249.678	388.909	ppb	3.7551	1.0	3847.38
Ba 389.178	201.422	ppb	0.1108	0.1	5032.05
Be 313.042	204.663	ppb	0.6448	0.3	401499
Ca 370.602	19788	ppb	52.41	0.3	63594
Cd 226.502	195.515	ppb	0.5031	0.3	7412.12
Co 228.615	200.012	ppb	1.1670	0.6	2360.19
Cr 267.716	197.468	ppb	0.9981	0.5	8633.12
Cu 324.754	203.828	ppb	3.4029	1.7	10163.4
Fe 271.441	20850.3	ppb	83.9510	0.4	35494.6
K 766.491	20199.9	ppb	60.3194	0.3	1017729
Mg 279.078	19933.7	ppb	66.6265	0.3	41523.5
Mn 257.610	2060.98	ppb	7.0190	0.3	474899
Mo 202.032	199.874	ppb	0.6576	0.3	1334.29
Na 330.237	17612.8	ppb	223.195	1.3	899.756
Ni 231.604	203.231	ppb	0.4181	0.2	534.267
Pb 220.353	197.598	ppb	2.5710	1.3	329.813
Sb 206.834	183.137	ppb	1.5425	0.8	173.550
Se 196.026	205.627	ppb	1.0815	0.5	100.595
Sn 189.925	220.127	ppb	4.3937	2.0	169.795
Sr 216.596	213.781	ppb	1.0265	0.5	2090.90
Ti 334.941	201.572	ppb	0.6610	0.3	53358.5
Tl 190.794	46.2734	ppb	4.8345	10.4	27.8402
V 292.401	203.706	ppb	0.6157	0.3	5683.95
Zn 206.200	188.287	ppb	0.7291	0.4	296.211

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-1-d (Samp) 3/26/2013, 8:04:37 PM Rack 1, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5390u	-1.1261u	-0.0651u
Al 308.215	89017.3	88590.5	88763.7
As 188.980	71.0590	65.4052	72.5504
B 249.678	-4.7510u	-5.5703u	-4.5530u
Ba 389.178	197.871	196.688	196.873
Be 313.042	1.1905	1.1798	1.1760
Ca 370.602	4111	4097	4099
Cd 226.502	0.0195	-0.0890	0.0019
Co 228.615	6.9942	7.0819	7.5386
Cr 267.716	137.136	136.511	137.149
Cu 324.754	114.348	112.423	110.688
Fe 271.441	106974	106470	106530
K 766.491	1218.46	1203.14	1206.79
Mg 279.078	1194.38	1180.79	1194.11
Mn 257.610	279.524	278.516	278.942
Mo 202.032	9.3850	9.8546	9.8807
Na 330.237	100.558u	-8.1895u	81.1348u
Ni 231.604	36.6177	37.1247	34.3912
Pb 220.353	322.599	322.155	328.067
Sb 206.834	1.9955	6.1912	12.4833
Se 196.026	-5.9732u	1.9541	2.7019
Sn 189.925	34.3275	31.0262	33.1633
Sr 216.596	97.9715	97.0715	98.7553
Ti 334.941	867.660	867.776	868.680
Tl 190.794	6.2508	1.9275u	7.2575
V 292.401	264.842	262.766	262.725
Zn 206.200	236.380	234.104	236.691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5767	ppb	0.5315	92.2	-108.201
Al 308.215	88790.5	ppb	214.649	0.2	517294
As 188.980	69.6715	ppb	3.7693	5.4	41.6554
B 249.678	-4.9581	ppb	0.5394	10.9	48.8282
Ba 389.178	197.144	ppb	0.6362	0.3	5002.50
Be 313.042	1.1821	ppb	0.0075	0.6	2106.54
Ca 370.602	4102	ppb	7.559	0.2	4736
Cd 226.502	-0.0225	ppb	0.0582	258.5	270.827
Co 228.615	7.2049	ppb	0.2923	4.1	116.347
Cr 267.716	136.932	ppb	0.3647	0.3	6004.60
Cu 324.754	112.486	ppb	1.8309	1.6	5681.72
Fe 271.441	106658	ppb	275.678	0.3	181390
K 766.491	1209.46	ppb	7.9992	0.7	61129.7
Mg 279.078	1189.76	ppb	7.7704	0.7	2492.39
Mn 257.610	278.994	ppb	0.5061	0.2	64611.8
Mo 202.032	9.7068	ppb	0.2789	2.9	68.2933
Na 330.237	57.8342	ppb	57.9971	100.3	-37.6691
Ni 231.604	36.0445	ppb	1.4541	4.0	98.8184
Pb 220.353	324.274	ppb	3.2926	1.0	537.018
Sb 206.834	6.8900	ppb	5.2787	76.6	11.3045
Se 196.026	-0.4391	ppb	4.8073	1094.9	-0.6670
Sn 189.925	32.8390	ppb	1.6744	5.1	24.2039
Sr 216.596	97.9328	ppb	0.8426	0.9	1001.38
Ti 334.941	868.039	ppb	0.5584	0.1	229733
Tl 190.794	5.1453	ppb	2.8318	55.0	-1.6309
V 292.401	263.444	ppb	1.2104	0.5	7416.70
Zn 206.200	235.725	ppb	1.4123	0.6	379.590

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-2-j (Samp) 3/26/2013, 8:10:03 PM Rack 1, Tube 59

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0766u	-0.4432u	0.0872u
Al 308.215	20184.0	20203.7	20184.0
As 188.980	170.958	168.353	168.724
B 249.678	3.1509u	4.7959u	3.8923u
Ba 389.178	674.330	676.008	674.872
Be 313.042	3.0109	3.0285	3.0106
Ca 370.602	41424	41514	41500
Cd 226.502	1.0624	0.9044	0.8000
Co 228.615	28.3795	28.5708	29.6497
Cr 267.716	92.7694	92.7834	92.9818
Cu 324.754	485.576	484.263	482.007
Fe 271.441	100711	100607	100550
K 766.491	2972.55	2952.04	2951.43
Mg 279.078	14181.3	14244.6	14249.7
Mn 257.610	830.104	830.331	829.861
Mo 202.032	10.8007	11.4652	11.4469
Na 330.237	398.708u	38.7545u	88.7491u
Ni 231.604	69.8161	65.9489	67.6270
Pb 220.353	589.712	596.192	593.135
Sb 206.834	18.0888	22.4722	14.4189
Se 196.026	10.7771	11.6365	1.6632
Sn 189.925	134.151	134.461	130.847
Sr 216.596	1057.48	1058.29	1060.01
Ti 334.941	1236.50	1238.65	1238.35
Tl 190.794	6.6796	4.4273u	4.7148u
V 292.401	82.2669	82.4297	81.6030
Zn 206.200	233.718	235.622	235.381

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4776	ppb	0.5827	122.0	-141.348
Al 308.215	20190.6	ppb	11.3266	0.1	117836
As 188.980	169.345	ppb	1.4092	0.8	103.712
B 249.678	3.9464	ppb	0.8238	20.9	138.554
Ba 389.178	675.070	ppb	0.8562	0.1	16830.1
Be 313.042	3.0167	ppb	0.0103	0.3	5719.90
Ca 370.602	41479	ppb	48.15	0.1	128588
Cd 226.502	0.9223	ppb	0.1321	14.3	291.767
Co 228.615	28.8667	ppb	0.6848	2.4	380.692
Cr 267.716	92.8449	ppb	0.1188	0.1	4082.38
Cu 324.754	483.949	ppb	1.8051	0.4	23985.5
Fe 271.441	100623	ppb	81.6883	0.1	171129
K 766.491	2958.67	ppb	12.0215	0.4	149242
Mg 279.078	14225.2	ppb	38.0935	0.3	29659.3
Mn 257.610	830.099	ppb	0.2351	0.0	191596
Mo 202.032	11.2376	ppb	0.3785	3.4	79.0404
Na 330.237	175.404	ppb	194.996	111.2	-32.6986
Ni 231.604	67.7973	ppb	1.9392	2.9	181.712
Pb 220.353	593.013	ppb	3.2414	0.5	981.989
Sb 206.834	18.3267	ppb	4.0319	22.0	21.4545
Se 196.026	8.0256	ppb	5.5267	68.9	3.5952
Sn 189.925	133.153	ppb	2.0028	1.5	102.192
Sr 216.596	1058.59	ppb	1.2903	0.1	10360.8
Ti 334.941	1237.83	ppb	1.1676	0.1	327685
Tl 190.794	5.2739	ppb	1.2258	23.2	-1.9381
V 292.401	82.0999	ppb	0.4379	0.5	2325.39
Zn 206.200	234.907	ppb	1.0359	0.4	269.447

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-2-jSD^5 (Samp) 3/26/2013, 8:15:29 PM Rack 1, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3505	-0.3279u	-0.8240u
Al 308.215	4148.21	4141.76	4137.01
As 188.980	31.8360	34.5711	29.8832
B 249.678	-10.4906u	-10.6888u	-10.5650u
Ba 389.178	138.488	137.618	137.599
Be 313.042	0.5900	0.5981	0.5930
Ca 370.602	8470	8455	8457
Cd 226.502	0.0488	0.1706	0.1751
Co 228.615	6.0464	5.7995	7.1769
Cr 267.716	18.6421	19.0183	18.6636
Cu 324.754	97.5861	96.2757	98.2533
Fe 271.441	20717.7	20635.8	20657.8
K 766.491	592.074	587.350	588.184
Mg 279.078	2944.88	2932.86	2926.78
Mn 257.610	170.751	170.214	170.335
Mo 202.032	2.0300	2.1636	1.2267
Na 330.237	331.384	-314.502u	-27.5374u
Ni 231.604	13.4377	14.0491	14.0836
Pb 220.353	119.969	121.966	121.672
Sb 206.834	-2.0750u	7.3627	3.1221
Se 196.026	10.5464	-3.5576u	-3.1334u
Sn 189.925	27.3090	26.2614	27.1480
Sr 216.596	216.373	217.805	216.624
Ti 334.941	250.191	249.719	249.892
Tl 190.794	5.0374	-4.1874u	0.9165u
V 292.401	16.5261	16.3726	16.1756
Zn 206.200	48.3546	46.4135	46.1266

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2672	ppb	0.5896	220.7	-93.5787
Al 308.215	4142.32	ppb	5.6208	0.1	24386.3
As 188.980	32.0968	ppb	2.3548	7.3	19.3143
B 249.678	-10.5815	ppb	0.1001	0.9	76.4687
Ba 389.178	137.902	ppb	0.5076	0.4	3414.36
Be 313.042	0.5937	ppb	0.0041	0.7	956.687
Ca 370.602	8461	ppb	7.836	0.1	26211
Cd 226.502	0.1315	ppb	0.0717	54.5	66.5607
Co 228.615	6.3409	ppb	0.7344	11.6	92.3777
Cr 267.716	18.7747	ppb	0.2112	1.1	827.718
Cu 324.754	97.3717	ppb	1.0061	1.0	4914.15
Fe 271.441	20670.4	ppb	42.4082	0.2	35157.1
K 766.491	589.202	ppb	2.5212	0.4	29885.6
Mg 279.078	2934.84	ppb	9.2074	0.3	6139.21
Mn 257.610	170.433	ppb	0.2817	0.2	39384.6
Mo 202.032	1.8068	ppb	0.5068	28.0	20.2272
Na 330.237	-3.5518	ppb	323.611	9111.3	-8.7201
Ni 231.604	13.8568	ppb	0.3633	2.6	38.9872
Pb 220.353	121.202	ppb	1.0783	0.9	203.505
Sb 206.834	2.8032	ppb	4.7269	168.6	4.6781
Se 196.026	1.2851	ppb	8.0233	624.3	-0.3456
Sn 189.925	26.9061	ppb	0.5641	2.1	19.5959
Sr 216.596	216.934	ppb	0.7647	0.4	2129.92
Ti 334.941	249.934	ppb	0.2390	0.1	66090.5
Tl 190.794	0.5888	ppb	4.6211	784.8	-1.7095
V 292.401	16.3581	ppb	0.1757	1.1	466.598
Zn 206.200	46.9649	ppb	1.2120	2.6	75.7407

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Verif (CCV) 3/26/2013, 8:20:55 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	499.095	499.982	497.057
Al 308.215	4973.73	4951.57	4966.96
As 188.980	462.333	470.552	458.662
B 249.678	2484.74	2498.55	2522.12
Ba 389.178	4962.93	4938.09	4956.72
Be 313.042	492.867	491.733	492.582
Ca 370.602	4928	4913	4927
Cd 226.502	483.149	480.969	483.044
Co 228.615	494.189	492.448	493.496
Cr 267.716	4791.86	4790.10	4804.09
Cu 324.754	4804.04	4808.52	4807.54
Fe 271.441	4965.32	4929.69	4956.33
K 766.491	10212.6	9909.67	10087.6
Mg 279.078	4884.39	4880.17	4904.49
Mn 257.610	4942.99	4924.89	4931.11
Mo 202.032	481.598	483.155	482.446
Na 330.237	7559.97	7148.19	7381.17
Ni 231.604	2465.15	2463.25	2477.49
Pb 220.353	489.885	479.691	486.027
Sb 206.834	922.919	921.022	927.582
Se 196.026	4864.17	4845.46	4866.42
Sn 189.925	4982.86	4988.57	4978.41
Sr 216.596	2438.01	2437.90	2446.36
Ti 334.941	486.935	486.305	487.688
Tl 190.794	4875.07	4873.90	4914.19
V 292.401	4933.66	4907.96	4912.41
Zn 206.200	2433.72	2424.65	2434.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.711	ppb	1.4998	0.3	34968.2	99.74223
Al 308.215	4964.09	ppb	11.3550	0.2	29147.9	99.28173
As 188.980	463.849	ppb	6.0886	1.3	286.501	92.76983
B 249.678	2501.80	ppb	18.9010	0.8	23807.5	100.07220
Ba 389.178	4952.58	ppb	12.9308	0.3	122292	99.05162
Be 313.042	492.394	ppb	0.5901	0.1	966079	98.47885
Ca 370.602	4922	ppb	8.440	0.2	16091	98.44963
Cd 226.502	482.387	ppb	1.2298	0.3	18157.4	96.47747
Co 228.615	493.378	ppb	0.8764	0.2	5817.41	98.67554
Cr 267.716	4795.35	ppb	7.6197	0.2	209325	95.90698
Cu 324.754	4806.70	ppb	2.3555	0.0	236926	96.13392
Fe 271.441	4950.45	ppb	18.5273	0.4	8543.91	99.00900
K 766.491	10070.0	ppb	152.215	1.5	507457	100.69952
Mg 279.078	4889.68	ppb	12.9926	0.3	10133.5	97.79368
Mn 257.610	4933.00	ppb	9.1963	0.2	1136238	98.65993
Mo 202.032	482.400	ppb	0.7797	0.2	3201.80	96.47994
Na 330.237	7363.11	ppb	206.484	2.8	356.494	98.17477
Ni 231.604	2468.63	ppb	7.7346	0.3	6458.70	98.74522
Pb 220.353	485.201	ppb	5.1468	1.1	804.724	97.04024
Sb 206.834	923.841	ppb	3.3761	0.4	905.908	92.38411
Se 196.026	4858.68	ppb	11.5039	0.2	2389.14	97.17369
Sn 189.925	4983.28	ppb	5.0940	0.1	3872.15	99.66559
Sr 216.596	2440.76	ppb	4.8549	0.2	23734.9	97.63020
Ti 334.941	486.976	ppb	0.6927	0.1	128851	97.39522
Tl 190.794	4887.72	ppb	22.9360	0.5	3352.89	97.75439
V 292.401	4918.01	ppb	13.7337	0.3	137936	98.36015
Zn 206.200	2430.95	ppb	5.4692	0.2	3789.49	97.23817

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (CCB) 3/26/2013, 8:26:19 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3654	-1.0449u	-0.9094u
Al 308.215	-4.1125u	-0.6910u	-4.9454u
As 188.980	-1.0135u	-2.6356u	5.5858
B 249.678	43.0710	37.2601	32.5931
Ba 389.178	0.7534	1.1908	0.6303
Be 313.042	0.0145	0.0126	0.0203
Ca 370.602	-1.248u	-3.050u	-1.221u
Cd 226.502	-0.0564u	0.0532	-0.1093u
Co 228.615	-0.2586u	0.3285	-0.3031u
Cr 267.716	0.3623	0.3995	0.0694
Cu 324.754	-0.0953u	-0.1523u	0.1029
Fe 271.441	0.5833	-3.5880u	10.6085
K 766.491	0.1335	0.6083	0.9197
Mg 279.078	-1.3956u	-3.8613u	-4.9079u
Mn 257.610	0.3166	0.3208	0.2437
Mo 202.032	0.2560	1.0836	0.1721
Na 330.237	270.980	-52.2510u	-23.8517u
Ni 231.604	-0.3413u	1.2502	-1.0585u
Pb 220.353	-3.4157u	-0.4245u	3.8887
Sb 206.834	6.0372	0.2404	0.3663
Se 196.026	2.0757	3.6717	-9.1736u
Sn 189.925	1.0871	0.5304	3.2086
Sr 216.596	0.1834	0.0800	0.5538
Ti 334.941	0.1749	0.1439	0.0973
Tl 190.794	1.8438	-3.3238u	5.1499
V 292.401	0.7431	-0.5400u	0.0509
Zn 206.200	0.0242	-0.0976u	-2.3049u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5296	ppb	0.7781	146.9	-103.495	-0.52962
Al 308.215	-3.2497	ppb	2.2547	69.4	246.569	-3.24965
As 188.980	0.6456	ppb	4.3545	674.5	-0.0099	0.64560
B 249.678	37.6414	ppb	5.2493	13.9	551.082	37.64142
Ba 389.178	0.8582	ppb	0.2946	34.3	-8.8461	0.85819
Be 313.042	0.0158	ppb	0.0040	25.3	-179.723	0.01580
Ca 370.602	-1.840	ppb	1.048	57.0	-11.95	-1.83990
Cd 226.502	-0.0375	ppb	0.0829	221.1	9.6791	-0.03751
Co 228.615	-0.0778	ppb	0.3525	453.3	10.9435	-0.07776
Cr 267.716	0.2771	ppb	0.1808	65.3	14.7511	0.27706
Cu 324.754	-0.0482	ppb	0.1340	277.8	107.909	-0.04822
Fe 271.441	2.5346	ppb	7.2967	287.9	7.9671	2.53459
K 766.491	0.5539	ppb	0.3959	71.5	233.714	0.55386
Mg 279.078	-3.3883	ppb	1.8033	53.2	18.2737	-3.38828
Mn 257.610	0.2937	ppb	0.0433	14.8	126.348	0.29372
Mo 202.032	0.5039	ppb	0.5038	100.0	12.5549	0.50391
Na 330.237	64.9592	ppb	178.984	275.5	3.3540	64.95924
Ni 231.604	-0.0499	ppb	1.1816	2370.2	2.1895	-0.04985
Pb 220.353	0.0162	ppb	3.6721	22722.8	3.5457	0.01616
Sb 206.834	2.2146	ppb	3.3110	149.5	3.5252	2.21463
Se 196.026	-1.1421	ppb	7.0012	613.0	-1.7009	-1.14207
Sn 189.925	1.6087	ppb	1.4132	87.9	-0.0705	1.60867
Sr 216.596	0.2724	ppb	0.2491	91.4	11.0361	0.27242
Ti 334.941	0.1387	ppb	0.0391	28.2	-55.2161	0.13870
Tl 190.794	1.2233	ppb	4.2708	349.1	-0.3832	1.22327
V 292.401	0.0847	ppb	0.6422	758.4	6.1576	0.08468
Zn 206.200	-0.7928	ppb	1.3109	165.4	893.1066	-0.79278

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-2-jPDS (Samp) 3/26/2013, 8:31:54 PM Rack 2, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	95.6137	101.334	101.373
Al 308.215	22327.3	23580.7	23582.7
As 188.980	4249.49	4462.24	4479.24
B 249.678	18.4437	17.7217	17.8810
Ba 389.178	4463.88	4706.99	4709.86
Be 313.042	98.5729	104.037	104.115
Ca 370.602	38358	40375	40419
Cd 226.502	93.9880	99.6881	99.6703
Co 228.615	982.941	1027.30	1042.24
Cr 267.716	456.971	484.577	484.255
Cu 324.754	918.787	975.842	978.560
Fe 271.441	94641.5	100102	100103
K 766.491	2767.10	2887.78	2887.28
Mg 279.078	13195.0	13948.3	13958.6
Mn 257.610	1743.70	1840.08	1841.01
Mo 202.032	10.2440	11.4231	11.6986
Na 330.237	390.739u	234.383u	392.227u
Ni 231.604	1009.96	1071.26	1080.24
Pb 220.353	1487.88	1577.21	1568.42
Sb 206.834	954.126	1011.16	1000.95
Se 196.026	3838.76	4037.99	4043.45
Sn 189.925	118.391	128.359	129.232
Sr 216.596	979.051	1036.55	1038.55
Ti 334.941	1140.67	1208.52	1210.53
Tl 190.794	3866.07	4083.89	4037.97
V 292.401	1027.30	1084.49	1084.69
Zn 206.200	1142.75	1206.65	1197.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	99.4402	ppb	3.3139	3.3	6900.38
Al 308.215	23163.6	ppb	724.207	3.1	135130
As 188.980	4396.99	ppb	128.021	2.9	2719.96
B 249.678	18.0154	ppb	0.3793	2.1	273.467
Ba 389.178	4626.91	ppb	141.198	3.1	114404
Be 313.042	102.242	ppb	3.1775	3.1	200454
Ca 370.602	39717	ppb	1177	3.0	122994
Cd 226.502	97.7822	ppb	3.2858	3.4	3927.45
Co 228.615	1017.49	ppb	30.8397	3.0	11995.9
Cr 267.716	475.268	ppb	15.8461	3.3	20771.4
Cu 324.754	957.730	ppb	33.7528	3.5	47320.7
Fe 271.441	98282.3	ppb	3153.09	3.2	167309
K 766.491	2847.39	ppb	69.5340	2.4	143636
Mg 279.078	13700.6	ppb	437.895	3.2	28549.8
Mn 257.610	1808.26	ppb	55.9158	3.1	416871
Mo 202.032	11.1219	ppb	0.7727	6.9	76.6814
Na 330.237	339.116	ppb	90.7047	26.7	-30.2558
Ni 231.604	1053.82	ppb	38.2479	3.6	2760.43
Pb 220.353	1544.50	ppb	49.2365	3.2	2553.23
Sb 206.834	988.746	ppb	30.4130	3.1	930.913
Se 196.026	3973.40	ppb	116.632	2.9	1953.62
Sn 189.925	125.327	ppb	6.0227	4.8	96.1085
Sr 216.596	1018.05	ppb	33.7890	3.3	9949.68
Ti 334.941	1186.57	ppb	39.7685	3.4	314111
Tl 190.794	3995.98	ppb	114.821	2.9	2739.19
V 292.401	1065.49	ppb	33.0765	3.1	29959.6
Zn 206.200	1182.34	ppb	34.5833	2.9	1850.03

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-2-k ms (Samp) 3/26/2013, 8:37:20 PM Rack 2, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.3538	12.6256	12.8663
Al 308.215	22650.1	22644.7	22703.8
As 188.980	235.517	227.094	230.923
B 249.678	198.684	198.741	202.805
Ba 389.178	798.158	796.967	800.710
Be 313.042	53.6558	53.7149	53.9477
Ca 370.602	18402	18436	18505
Cd 226.502	50.6318	50.4282	50.9714
Co 228.615	77.3901	76.7805	76.5397
Cr 267.716	162.438	162.731	163.599
Cu 324.754	502.365	490.630	493.599
Fe 271.441	83943.9	84103.2	84200.6
K 766.491	8172.11	8167.60	8203.34
Mg 279.078	6825.59	6847.88	6862.87
Mn 257.610	1061.86	1062.26	1065.62
Mo 202.032	105.695	107.052	108.426
Na 330.237	5171.34	5194.55	5191.91
Ni 231.604	156.670	155.692	154.708
Pb 220.353	445.622	452.754	454.600
Sb 206.834	56.4420	56.6939	45.0879
Se 196.026	108.357	110.583	100.883
Sn 189.925	300.438	300.188	301.653
Sr 216.596	1286.66	1290.39	1299.96
Ti 334.941	1537.07	1542.64	1551.71
Tl 190.794	41.9078	42.7612	43.0191
V 292.401	187.154	186.807	187.284
Zn 206.200	250.673	251.717	250.390

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.6152	ppb	0.2564	2.0	771.835
Al 308.215	22666.2	ppb	32.6783	0.1	132263
As 188.980	231.178	ppb	4.2175	1.8	141.926
B 249.678	200.077	ppb	2.3629	1.2	2005.50
Ba 389.178	798.612	ppb	1.9119	0.2	19835.7
Be 313.042	53.7728	ppb	0.1543	0.3	105325
Ca 370.602	18448	ppb	52.83	0.3	54093
Cd 226.502	50.6771	ppb	0.2744	0.5	2121.66
Co 228.615	76.9034	ppb	0.4384	0.6	950.685
Cr 267.716	162.923	ppb	0.6040	0.4	7138.39
Cu 324.754	495.532	ppb	6.1015	1.2	24553.1
Fe 271.441	84082.6	ppb	129.576	0.2	143009
K 766.491	8181.02	ppb	19.4661	0.2	412306
Mg 279.078	6845.45	ppb	18.7610	0.3	14277.9
Mn 257.610	1063.25	ppb	2.0676	0.2	245207
Mo 202.032	107.058	ppb	1.3653	1.3	715.492
Na 330.237	5185.93	ppb	12.7081	0.2	228.331
Ni 231.604	155.690	ppb	0.9810	0.6	411.240
Pb 220.353	450.992	ppb	4.7413	1.1	747.137
Sb 206.834	52.7413	ppb	6.6292	12.6	53.0316
Se 196.026	106.608	ppb	5.0808	4.8	52.0296
Sn 189.925	300.760	ppb	0.7835	0.3	232.464
Sr 216.596	1292.34	ppb	6.8583	0.5	12625.2
Ti 334.941	1543.81	ppb	7.3892	0.5	408654
Tl 190.794	42.5627	ppb	0.5816	1.4	24.0491
V 292.401	187.081	ppb	0.2465	0.1	5259.23
Zn 206.200	250.927	ppb	0.6988	0.3	294.285

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-2-1 msd (Samp) 3/26/2013, 8:42:45 PM Rack 2, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	33.9445	32.7930	33.1441
Al 308.215	28411.1	28405.1	28451.4
As 188.980	246.725	235.592	248.270
B 249.678	196.885	196.544	198.806
Ba 389.178	1114.19	1112.30	1115.86
Be 313.042	53.1505	53.1869	53.3153
Ca 370.602	22340	22354	22396
Cd 226.502	50.4146	49.9361	50.5464
Co 228.615	76.9628	78.3783	77.6264
Cr 267.716	172.243	173.151	173.267
Cu 324.754	549.822	560.702	551.952
Fe 271.441	113058	112937	113100
K 766.491	9246.47	9223.83	9243.69
Mg 279.078	7514.89	7500.00	7521.79
Mn 257.610	1440.94	1441.11	1443.00
Mo 202.032	105.628	105.281	106.273
Na 330.237	5022.44	5272.95	5130.06
Ni 231.604	163.527	162.152	163.552
Pb 220.353	574.215	576.362	577.374
Sb 206.834	51.0929	53.7888	60.4321
Se 196.026	103.550	108.243	95.2928
Sn 189.925	312.482	317.340	320.452
Sr 216.596	1650.52	1657.82	1663.90
Ti 334.941	1640.63	1643.87	1650.05
Tl 190.794	41.1158	48.4198	37.1183
V 292.401	207.778	208.589	209.054
Zn 206.200	302.718	302.008	300.375

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	33.2939	ppb	0.5902	1.8	2212.78
Al 308.215	28422.5	ppb	25.2130	0.1	165782
As 188.980	243.529	ppb	6.9170	2.8	149.309
B 249.678	197.412	ppb	1.2192	0.6	1953.18
Ba 389.178	1114.12	ppb	1.7808	0.2	27671.6
Be 313.042	53.2176	ppb	0.0866	0.2	104235
Ca 370.602	22363	ppb	29.38	0.1	64605
Cd 226.502	50.2991	ppb	0.3211	0.6	2178.15
Co 228.615	77.6558	ppb	0.7082	0.9	961.361
Cr 267.716	172.887	ppb	0.5607	0.3	7581.14
Cu 324.754	554.159	ppb	5.7662	1.0	27450.1
Fe 271.441	113032	ppb	84.4893	0.1	192240
K 766.491	9238.00	ppb	12.3473	0.1	465549
Mg 279.078	7512.23	ppb	11.1325	0.1	15664.4
Mn 257.610	1441.68	ppb	1.1400	0.1	332448
Mo 202.032	105.727	ppb	0.5033	0.5	705.301
Na 330.237	5141.82	ppb	125.669	2.4	216.170
Ni 231.604	163.077	ppb	0.8010	0.5	431.158
Pb 220.353	575.984	ppb	1.6132	0.3	953.482
Sb 206.834	55.1046	ppb	4.8066	8.7	55.9594
Se 196.026	102.362	ppb	6.5564	6.4	50.2029
Sn 189.925	316.758	ppb	4.0170	1.3	244.901
Sr 216.596	1657.41	ppb	6.6982	0.4	16192.7
Ti 334.941	1644.85	ppb	4.7855	0.3	435411
Tl 190.794	42.2180	ppb	5.7308	13.6	22.4220
V 292.401	208.474	ppb	0.6454	0.3	5862.25
Zn 206.200	301.700	ppb	1.2015	0.4	473.663

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-3-d (Samp) 3/26/2013, 8:48:10 PM Rack 2, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5064u	-0.3306u	0.0097
Al 308.215	69863.4	69703.3	69899.8
As 188.980	23.9547	25.3529	24.5476
B 249.678	-4.9476u	-6.4639u	-6.3965u
Ba 389.178	210.826	210.081	210.590
Be 313.042	1.1370	1.1392	1.1376
Ca 370.602	2210u	2190u	2187u
Cd 226.502	-0.5615	-0.7126	-0.4178
Co 228.615	3.4723	3.7572	4.6347
Cr 267.716	129.850	130.433	130.294
Cu 324.754	70.5917	69.9797	69.4433
Fe 271.441	121333	120970	121375
K 766.491	1463.54	1457.29	1463.65
Mg 279.078	989.802	990.842	994.635
Mn 257.610	492.609	491.380	493.515
Mo 202.032	5.1799	4.4344	5.2526
Na 330.237	-62.5540u	-163.213u	-2.3876u
Ni 231.604	23.8748	24.7688	22.2423
Pb 220.353	92.3393	93.7162	90.7959
Sb 206.834	-0.1509	-5.9397u	-2.8405
Se 196.026	-1.0731	9.7789	-5.3951u
Sn 189.925	28.1306	25.4428	24.1854
Sr 216.596	62.5834	63.9270	63.9854
Ti 334.941	1286.45	1289.13	1294.96
Tl 190.794	6.9353	3.9981u	5.5531u
V 292.401	337.519	337.635	338.138
Zn 206.200	76.5426	75.5143	77.7951

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2758	ppb	0.2624	95.1	-84.3779
Al 308.215	69822.2	ppb	104.511	0.1	406838
As 188.980	24.6184	ppb	0.7018	2.9	13.6124
B 249.678	-5.9360	ppb	0.8567	14.4	25.9229
Ba 389.178	210.499	ppb	0.3810	0.2	5353.80
Be 313.042	1.1379	ppb	0.0011	0.1	2015.00
Ca 370.602	2196	ppb	12.83	0.6	-2686
Cd 226.502	-0.5640	ppb	0.1474	26.1	286.053
Co 228.615	3.9547	ppb	0.6059	15.3	89.2027
Cr 267.716	130.192	ppb	0.3044	0.2	5714.24
Cu 324.754	70.0049	ppb	0.5746	0.8	3591.82
Fe 271.441	121226	ppb	222.898	0.2	206165
K 766.491	1461.49	ppb	3.6366	0.2	73825.2
Mg 279.078	991.759	ppb	2.5439	0.3	2084.71
Mn 257.610	492.501	ppb	1.0717	0.2	113824
Mo 202.032	4.9557	ppb	0.4529	9.1	35.9693
Na 330.237	-76.0515	ppb	81.2578	106.8	-51.1094
Ni 231.604	23.6286	ppb	1.2811	5.4	66.6397
Pb 220.353	92.2838	ppb	1.4609	1.6	154.054
Sb 206.834	-2.9770	ppb	2.8968	97.3	2.4116
Se 196.026	1.1036	ppb	7.8177	708.4	0.2285
Sn 189.925	25.9196	ppb	2.0154	7.8	18.8244
Sr 216.596	63.4986	ppb	0.7931	1.2	671.509
Ti 334.941	1290.18	ppb	4.3486	0.3	341491
Tl 190.794	5.4955	ppb	1.4694	26.7	-2.0907
V 292.401	337.764	ppb	0.3290	0.1	9515.63
Zn 206.200	76.6173	ppb	1.1422	1.5	121.771

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-4-d (Samp) 3/26/2013, 8:53:34 PM Rack 2, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.4325u	-1.3722u	-2.6403u
Al 308.215	63295.7	63211.3	63283.8
As 188.980	11.8757	22.5167	16.2486
B 249.678	-9.8301u	-10.9445u	-10.7644u
Ba 389.178	281.244	281.940	281.459
Be 313.042	1.4197	1.4305	1.4357
Ca 370.602	983.6u	981.5u	979.8u
Cd 226.502	-0.4774	-0.5395	-0.4380
Co 228.615	9.4266	8.7850	8.9890
Cr 267.716	89.4958	89.2732	89.8567
Cu 324.754	84.2709	84.5342	83.5074
Fe 271.441	89381.2	89356.9	89602.5
K 766.491	1561.42	1558.41	1565.72
Mg 279.078	949.978	955.373	953.418
Mn 257.610	562.847	562.336	563.139
Mo 202.032	3.7707	3.8944	3.7706
Na 330.237	121.630u	-220.276u	-23.8771u
Ni 231.604	19.0340	21.1107	21.2171
Pb 220.353	54.8922	55.0756	52.0495
Sb 206.834	-2.4071	-2.0992	-1.3743
Se 196.026	1.7307	6.4006	3.6414
Sn 189.925	14.6317	20.0461	16.8603
Sr 216.596	30.5512	31.4242	31.3725
Ti 334.941	1124.85	1124.95	1126.53
Tl 190.794	0.2166u	3.5752u	6.7297
V 292.401	234.974	235.555	235.505
Zn 206.200	73.9118	74.9147	74.8995

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1484	ppb	0.6801	31.7	-214.991
Al 308.215	63263.6	ppb	45.6769	0.1	368649
As 188.980	16.8803	ppb	5.3485	31.7	9.1365
B 249.678	-10.5130	ppb	0.5982	5.7	12.5652
Ba 389.178	281.547	ppb	0.3565	0.1	7059.81
Be 313.042	1.4286	ppb	0.0082	0.6	2589.04
Ca 370.602	981.6	ppb	1.930	0.2	-4047
Cd 226.502	-0.4850	ppb	0.0512	10.6	211.345
Co 228.615	9.0669	ppb	0.3278	3.6	145.907
Cr 267.716	89.5419	ppb	0.2945	0.3	3933.61
Cu 324.754	84.1042	ppb	0.5333	0.6	4278.29
Fe 271.441	89446.9	ppb	135.298	0.2	152121
K 766.491	1561.85	ppb	3.6738	0.2	78880.4
Mg 279.078	952.923	ppb	2.7315	0.3	1998.95
Mn 257.610	562.774	ppb	0.4061	0.1	129922
Mo 202.032	3.8119	ppb	0.0714	1.9	30.0102
Na 330.237	-40.8409	ppb	171.583	420.1	-38.4544
Ni 231.604	20.4539	ppb	1.2309	6.0	57.6794
Pb 220.353	54.0058	ppb	1.6966	3.1	91.0590
Sb 206.834	-1.9602	ppb	0.5302	27.0	2.3246
Se 196.026	3.9242	ppb	2.3478	59.8	1.4479
Sn 189.925	17.1794	ppb	2.7213	15.8	12.0309
Sr 216.596	31.1160	ppb	0.4898	1.6	344.253
Ti 334.941	1125.45	ppb	0.9412	0.1	297875
Tl 190.794	3.5072	ppb	3.2571	92.9	-2.4417
V 292.401	235.345	ppb	0.3219	0.1	6635.05
Zn 206.200	74.5753	ppb	0.5747	0.8	118.703

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680-88517-a-5-d (Samp) 3/26/2013, 8:58:59 PM Rack 2, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7284u	-1.4609u	-1.0579u
Al 308.215	96211.9	96485.5	96212.0
As 188.980	15.6118	10.5451	10.6626
B 249.678	-25.4685u	-27.7589u	-25.0182u
Ba 389.178	138.902	138.076	138.967
Be 313.042	1.0475	1.0508	1.0460
Ca 370.602	3427u	3375u	3396u
Cd 226.502	-1.5195	-1.6531	-1.5280
Co 228.615	1.8613	2.6191	1.1598
Cr 267.716	270.319	272.417	270.233
Cu 324.754	92.2374	92.0451	89.5871
Fe 271.441	278952	279571	278961
K 766.491	2161.65	2161.43	2161.92
Mg 279.078	1288.54	1289.42	1288.79
Mn 257.610	133.549	133.806	134.278
Mo 202.032	6.0764	6.3185	5.8914
Na 330.237	-14.3063u	-33.4119u	91.3977u
Ni 231.604	10.9217	11.9395	11.2156
Pb 220.353	53.2848	55.6381	59.1102
Sb 206.834	-2.2451	-1.7899	0.4956
Se 196.026	-7.3246u	3.4402	8.8605
Sn 189.925	24.7353	24.8386	24.5972
Sr 216.596	80.7863	82.0243	82.3920
Ti 334.941	1804.89	1827.00	1811.70
Tl 190.794	0.0707u	10.9141u	2.6795u
V 292.401	689.850	691.846	689.680
Zn 206.200	93.2442	94.5512	94.0972

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0824	ppb	0.3669	33.9	-141.933
Al 308.215	96303.1	ppb	157.910	0.2	561032
As 188.980	12.2732	ppb	2.8919	23.6	4.3791
B 249.678	-26.0819	ppb	1.4697	5.6	-312.487
Ba 389.178	138.648	ppb	0.4965	0.4	3819.43
Be 313.042	1.0481	ppb	0.0025	0.2	1825.71
Ca 370.602	3399	ppb	26.44	0.8	-11895
Cd 226.502	-1.5669	ppb	0.0748	4.8	634.124
Co 228.615	1.8801	ppb	0.7298	38.8	73.9962
Cr 267.716	270.989	ppb	1.2369	0.5	11891.5
Cu 324.754	91.2899	ppb	1.4778	1.6	4683.14
Fe 271.441	279161	ppb	355.105	0.1	474753
K 766.491	2161.67	ppb	0.2464	0.0	109095
Mg 279.078	1288.92	ppb	0.4519	0.0	2729.77
Mn 257.610	133.878	ppb	0.3699	0.3	31659.4
Mo 202.032	6.0954	ppb	0.2142	3.5	35.7022
Na 330.237	14.5597	ppb	67.2257	461.7	-98.1017
Ni 231.604	11.3589	ppb	0.5239	4.6	37.8136
Pb 220.353	56.0110	ppb	2.9305	5.2	93.3056
Sb 206.834	-1.1798	ppb	1.4687	124.5	8.7271
Se 196.026	1.6587	ppb	8.2383	496.7	1.3315
Sn 189.925	24.7237	ppb	0.1211	0.5	17.8920
Sr 216.596	81.7342	ppb	0.8412	1.0	907.798
Ti 334.941	1814.53	ppb	11.3264	0.6	480326
Tl 190.794	4.5548	ppb	5.6597	124.3	-7.8127
V 292.401	690.459	ppb	1.2048	0.2	19435.0
Zn 206.200	93.9642	ppb	0.6636	0.7	148.462

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-6-d (Samp) 3/26/2013, 9:04:25 PM Rack 2, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6219u	-1.3675u	-0.0907u
Al 308.215	18097.6	18171.7	18150.2
As 188.980	155.939	155.539	151.126
B 249.678	5.7053u	6.9028	5.7396u
Ba 389.178	449.839	451.584	450.677
Be 313.042	1.8135	1.8283	1.8226
Ca 370.602	8827	8885	8866
Cd 226.502	0.4813	0.3126	0.7151
Co 228.615	17.4385	17.1519	17.8816
Cr 267.716	41.3043	41.5386	41.3837
Cu 324.754	264.113	267.612	265.266
Fe 271.441	57642.9	57890.2	57855.9
K 766.491	2321.95	2335.81	2334.53
Mg 279.078	1914.78	1931.17	1932.53
Mn 257.610	457.646	459.416	458.973
Mo 202.032	7.6706	7.6728	7.2611
Na 330.237	121.822u	180.488u	-8.4517u
Ni 231.604	40.8426	42.2143	41.3285
Pb 220.353	377.891	375.464	378.773
Sb 206.834	15.4331	21.4215	14.7105
Se 196.026	3.6992	10.9892	5.9078
Sn 189.925	73.4173	80.5235	79.6453
Sr 216.596	240.027	240.426	241.125
Ti 334.941	927.253	932.890	934.700
Tl 190.794	0.7785u	4.9740	2.0512u
V 292.401	71.7160	72.0732	71.9786
Zn 206.200	196.222	199.855	196.496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6934	ppb	0.6414	92.5	-123.052
Al 308.215	18139.8	ppb	38.1726	0.2	105894
As 188.980	154.201	ppb	2.6710	1.7	94.5029
B 249.678	6.1159	ppb	0.6817	11.1	199.239
Ba 389.178	450.700	ppb	0.8725	0.2	11191.1
Be 313.042	1.8215	ppb	0.0074	0.4	3364.37
Ca 370.602	8859	ppb	29.46	0.3	24547
Cd 226.502	0.5030	ppb	0.2021	40.2	171.214
Co 228.615	17.4907	ppb	0.3676	2.1	240.410
Cr 267.716	41.4089	ppb	0.1192	0.3	1825.78
Cu 324.754	265.664	ppb	1.7832	0.7	13217.1
Fe 271.441	57796.3	ppb	133.980	0.2	98296.0
K 766.491	2330.76	ppb	7.6569	0.3	117613
Mg 279.078	1926.16	ppb	9.8774	0.5	4035.79
Mn 257.610	458.679	ppb	0.9209	0.2	105867
Mo 202.032	7.5348	ppb	0.2371	3.1	56.4449
Na 330.237	97.9528	ppb	96.7050	98.7	-21.1892
Ni 231.604	41.4618	ppb	0.6955	1.7	111.953
Pb 220.353	377.376	ppb	1.7135	0.5	625.996
Sb 206.834	17.1884	ppb	3.6838	21.4	19.0419
Se 196.026	6.8654	ppb	3.7381	54.4	2.6846
Sn 189.925	77.8620	ppb	3.8742	5.0	59.2029
Sr 216.596	240.526	ppb	0.5562	0.2	2372.91
Ti 334.941	931.614	ppb	3.8839	0.4	246559
Tl 190.794	2.6012	ppb	2.1512	82.7	-1.9005
V 292.401	71.9226	ppb	0.1851	0.3	2038.06
Zn 206.200	197.525	ppb	2.0233	1.0	311.141

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680-88517-a-7-d (Samp) 3/26/2013, 9:09:51 PM Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3577u	-1.5026u	-0.6083u
Al 308.215	103577	103472	98711.5
As 188.980	37.2452	42.0091	39.6625
B 249.678	-14.1417u	-14.1934u	-14.1266u
Ba 389.178	174.807	175.393	167.408
Be 313.042	1.1048	1.1023	1.0366
Ca 370.602	3374	3367	3338
Cd 226.502	0.0387	-0.1181	-0.5348
Co 228.615	5.7486	5.2053	5.0438
Cr 267.716	128.621	128.971	122.037
Cu 324.754	67.6316	67.0165	66.3677
Fe 271.441	105727	105529	100359
K 766.491	1200.87	1196.54	1159.30
Mg 279.078	1251.79	1255.40	1201.22
Mn 257.610	201.236	200.832	191.318
Mo 202.032	8.1477	8.3741	8.4195
Na 330.237	-117.677u	64.6188u	-69.7269u
Ni 231.604	23.4184	23.4459	21.6782
Pb 220.353	133.669	134.671	123.939
Sb 206.834	5.4979	0.4463	-3.0820
Se 196.026	-0.3646	1.0751	6.8549
Sn 189.925	25.3779	32.9347	31.5194
Sr 216.596	90.4293	90.6177	86.9768
Ti 334.941	923.113	925.875	872.649
Tl 190.794	0.7256u	-3.5752u	0.5984u
V 292.401	286.474	285.243	272.301
Zn 206.200	142.550	142.716	135.433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8229	ppb	0.6019	73.1	-125.393
Al 308.215	101920	ppb	2779.31	2.7	593749
As 188.980	39.6389	ppb	2.3820	6.0	23.0929
B 249.678	-14.1539	ppb	0.0351	0.2	-35.3472
Ba 389.178	172.536	ppb	4.4510	2.6	4390.82
Be 313.042	1.0812	ppb	0.0386	3.6	1909.40
Ca 370.602	3360	ppb	19.42	0.6	2529
Cd 226.502	-0.2047	ppb	0.2964	144.8	257.127
Co 228.615	5.3325	ppb	0.3692	6.9	95.6216
Cr 267.716	126.543	ppb	3.9064	3.1	5550.16
Cu 324.754	67.0053	ppb	0.6321	0.9	3439.61
Fe 271.441	103872	ppb	3043.68	2.9	176652
K 766.491	1185.57	ppb	22.8498	1.9	59926.2
Mg 279.078	1236.14	ppb	30.2921	2.5	2585.90
Mn 257.610	197.795	ppb	5.6134	2.8	45903.2
Mo 202.032	8.3138	ppb	0.1456	1.8	59.1463
Na 330.237	-40.9286	ppb	94.4986	230.9	-41.5549
Ni 231.604	22.8475	ppb	1.0128	4.4	64.2510
Pb 220.353	130.760	ppb	5.9278	4.5	217.155
Sb 206.834	0.9541	ppb	4.3124	452.0	5.6424
Se 196.026	2.5218	ppb	3.8210	151.5	0.7527
Sn 189.925	29.9440	ppb	4.0171	13.4	21.9534
Sr 216.596	89.3413	ppb	2.0498	2.3	916.858
Ti 334.941	907.212	ppb	29.9640	3.3	240105
Tl 190.794	-0.7504	ppb	2.4472	326.1	-5.4944
V 292.401	281.340	ppb	7.8516	2.8	7921.65
Zn 206.200	140.233	ppb	4.1576	197.8	221.274

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88518-a-9-d (Samp) 3/26/2013, 9:15:17 PM Rack 2, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.3675u	-0.7799u	-2.0169u
Al 308.215	54641.8	54664.9	54767.1
As 188.980	15.2098	23.0304	16.2284
B 249.678	-21.2283u	-20.2970u	-20.0855u
Ba 389.178	188.581	187.121	188.586
Be 313.042	1.1353	1.1406	1.1418
Ca 370.602	7879	7869	7897
Cd 226.502	-0.7455	-0.8609	-0.6217
Co 228.615	14.0400	12.1868	12.5490
Cr 267.716	105.121	105.230	105.497
Cu 324.754	96.8305	98.0362	97.9068
Fe 271.441	98269.4	98187.2	98392.9
K 766.491	15502.9	15520.5	15596.9
Mg 279.078	13640.3	13632.0	13655.5
Mn 257.610	1193.59	1192.96	1195.67
Mo 202.032	3.3943	4.6234	4.6642
Na 330.237	106.599u	-287.968u	-77.9170u
Ni 231.604	32.0526	31.9639	29.9478
Pb 220.353	35.4965	38.1720	37.9453
Sb 206.834	6.1357	7.0869	5.1015
Se 196.026	2.6040	-1.0694	0.5391
Sn 189.925	20.7633	22.4772	18.9184
Sr 216.596	44.7490	44.7960	43.8485
Ti 334.941	3228.26	3231.35	3236.24
Tl 190.794	8.8451	12.2004	14.2369
V 292.401	237.530	238.650	238.565
Zn 206.200	173.679	175.540	175.418

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7214	ppb	0.8340	48.4	-183.042
Al 308.215	54691.2	ppb	66.6685	0.1	318732
As 188.980	18.1562	ppb	4.2518	23.4	9.8944
B 249.678	-20.5369	ppb	0.6080	3.0	-90.3340
Ba 389.178	188.096	ppb	0.8441	0.4	4801.13
Be 313.042	1.1392	ppb	0.0034	0.3	2020.92
Ca 370.602	7882	ppb	14.29	0.2	18394
Cd 226.502	-0.7427	ppb	0.1196	16.1	223.417
Co 228.615	12.9253	ppb	0.9822	7.6	247.861
Cr 267.716	105.282	ppb	0.1934	0.2	4628.79
Cu 324.754	97.5912	ppb	0.6619	0.7	4945.40
Fe 271.441	98283.2	ppb	103.539	0.1	167150
K 766.491	15540.1	ppb	49.9503	0.3	783004
Mg 279.078	13642.6	ppb	11.9416	0.1	28429.3
Mn 257.610	1194.08	ppb	1.4200	0.1	275415
Mo 202.032	4.2273	ppb	0.7217	17.1	32.3553
Na 330.237	-86.4286	ppb	197.421	228.4	-60.9630
Ni 231.604	31.3214	ppb	1.1904	3.8	86.2805
Pb 220.353	37.2046	ppb	1.4836	4.0	62.4447
Sb 206.834	6.1081	ppb	0.9930	16.3	10.1805
Se 196.026	0.6912	ppb	1.8414	266.4	0.0644
Sn 189.925	20.7196	ppb	1.7798	8.6	14.7851
Sr 216.596	44.4645	ppb	0.5340	1.2	478.021
Ti 334.941	3231.95	ppb	4.0212	0.1	855606
Tl 190.794	11.7608	ppb	2.7226	23.1	2.2875
V 292.401	238.248	ppb	0.6236	0.3	6750.72
Zn 206.200	174.879	ppb	1.0497	0.6	275.526

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88518-a-10-d (Samp) 3/26/2013, 9:20:43 PM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2071u	0.0003	-1.5974u
Al 308.215	29395.8	29374.6	29388.1
As 188.980	11.4587	17.9756	5.3455
B 249.678	-19.4329u	-19.7682u	-19.6208u
Ba 389.178	23.1377	22.1856	22.3507
Be 313.042	0.5537	0.5507	0.5477
Ca 370.602	3261	3261	3266
Cd 226.502	-0.2901	-0.1874	-0.3125
Co 228.615	2.2718	2.0795	1.5928
Cr 267.716	64.1048	63.8735	63.5533
Cu 324.754	25.7557	24.1787	25.4029
Fe 271.441	69247.2	69079.1	69099.0
K 766.491	409.989	410.283	411.810
Mg 279.078	305.543	302.882	299.968
Mn 257.610	99.5637	99.4300	99.5684
Mo 202.032	8.0241	7.8868	7.6989
Na 330.237	-76.4587u	-48.4219u	-155.292u
Ni 231.604	2.5063	3.9657	4.8362
Pb 220.353	27.7999	30.2057	28.5302
Sb 206.834	4.6077	-5.5106u	-4.3651u
Se 196.026	6.5796	-2.2102u	-4.9641u
Sn 189.925	17.8260	16.8844	17.7335
Sr 216.596	14.6359	13.6726	14.5014
Ti 334.941	658.117	655.736	656.118
Tl 190.794	6.3287	2.1587u	5.3594
V 292.401	329.716	328.655	329.934
Zn 206.200	18.8704	22.4063	18.4259

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9347	ppb	0.8330	89.1	-130.425
Al 308.215	29386.2	ppb	10.7451	0.0	171378
As 188.980	11.5933	ppb	6.3161	54.5	6.0891
B 249.678	-19.6073	ppb	0.1681	0.9	-54.2233
Ba 389.178	22.5580	ppb	0.5088	2.3	632.819
Be 313.042	0.5507	ppb	0.0030	0.6	859.703
Ca 370.602	3263	ppb	3.038	0.1	5077
Cd 226.502	-0.2633	ppb	0.0667	25.3	170.065
Co 228.615	1.9814	ppb	0.3499	17.7	50.4938
Cr 267.716	63.8438	ppb	0.2769	0.4	2803.60
Cu 324.754	25.1124	ppb	0.8277	3.3	1364.76
Fe 271.441	69141.8	ppb	91.8536	0.1	117589
K 766.491	410.694	ppb	0.9775	0.2	20893.6
Mg 279.078	302.798	ppb	2.7884	0.9	658.234
Mn 257.610	99.5207	ppb	0.0786	0.1	23169.5
Mo 202.032	7.8699	ppb	0.1633	2.1	57.7068
Na 330.237	-93.3910	ppb	55.4107	59.3	-30.9439
Ni 231.604	3.7694	ppb	1.1773	31.2	13.6131
Pb 220.353	28.8452	ppb	1.2335	4.3	50.2749
Sb 206.834	-1.7560	ppb	5.5408	315.5	1.7919
Se 196.026	-0.1982	ppb	6.0291	3041.2	-0.8107
Sn 189.925	17.4813	ppb	0.5190	3.0	12.2669
Sr 216.596	14.2700	ppb	0.5216	3.7	172.969
Ti 334.941	656.657	ppb	1.2787	0.2	173762
Tl 190.794	4.6156	ppb	2.1822	47.3	-0.4727
V 292.401	329.435	ppb	0.6839	0.2	9274.81
Zn 206.200	19.9009	ppb	2.1811	11.0	33.2729

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Verif (CCV) 3/26/2013, 9:26:09 PM Rack 2, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	506.940	507.126	504.292
Al 308.215	4997.37	5005.37	4983.25
As 188.980	471.585	478.675	483.621
B 249.678	2497.75	2525.33	2528.96
Ba 389.178	4978.56	4991.30	4968.01
Be 313.042	493.009	495.072	492.129
Ca 370.602	4939	4942	4923
Cd 226.502	486.554	487.710	485.077
Co 228.615	499.590	500.953	496.365
Cr 267.716	4788.77	4803.96	4773.54
Cu 324.754	5020.14	4901.10	4883.49
Fe 271.441	4979.78	4993.71	4975.39
K 766.491	9839.38	10097.9	9868.11
Mg 279.078	4913.97	4926.55	4894.72
Mn 257.610	4958.49	4982.94	4952.23
Mo 202.032	481.294	484.378	479.695
Na 330.237	7227.71	7210.03	7350.57
Ni 231.604	2485.08	2491.89	2472.76
Pb 220.353	481.433	484.728	487.483
Sb 206.834	925.130	925.076	928.934
Se 196.026	4885.76	4933.72	4876.41
Sn 189.925	4983.01	5001.66	4965.04
Sr 216.596	2433.95	2442.93	2430.71
Ti 334.941	485.870	487.084	484.781
Tl 190.794	4900.25	4925.57	4879.25
V 292.401	4957.78	4977.68	4942.58
Zn 206.200	2458.34	2464.07	2458.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	506.119	ppb	1.5853	0.3	35488.2	101.22383
Al 308.215	4995.33	ppb	11.2039	0.2	29329.6	99.90663
As 188.980	477.960	ppb	6.0497	1.3	295.233	95.59205
B 249.678	2517.35	ppb	17.0722	0.7	23954.2	100.69389
Ba 389.178	4979.29	ppb	11.6591	0.2	122951	99.58581
Be 313.042	493.403	ppb	1.5102	0.3	968058	98.68065
Ca 370.602	4935	ppb	10.21	0.2	16132	98.69650
Cd 226.502	486.447	ppb	1.3195	0.3	18310.0	97.28937
Co 228.615	498.969	ppb	2.3559	0.5	5883.11	99.79385
Cr 267.716	4788.76	ppb	15.2112	0.3	209037	95.77518
Cu 324.754	4934.91	ppb	74.3333	1.5	243243	98.69821
Fe 271.441	4982.96	ppb	9.5666	0.2	8599.83	99.65924
K 766.491	9935.12	ppb	141.685	1.4	500665	99.35124
Mg 279.078	4911.75	ppb	16.0304	0.3	10179.0	98.23497
Mn 257.610	4964.55	ppb	16.2305	0.3	1143506	99.29105
Mo 202.032	481.789	ppb	2.3806	0.5	3197.67	96.35780
Na 330.237	7262.77	ppb	76.5486	1.1	351.028	96.83692
Ni 231.604	2483.24	ppb	9.6978	0.4	6496.92	99.32977
Pb 220.353	484.548	ppb	3.0289	0.6	803.644	96.90965
Sb 206.834	926.380	ppb	2.2121	0.2	908.551	92.63802
Se 196.026	4898.63	ppb	30.7449	0.6	2408.79	97.97260
Sn 189.925	4983.23	ppb	18.3121	0.4	3872.12	99.66470
Sr 216.596	2435.86	ppb	6.3314	0.3	23686.8	97.43447
Ti 334.941	485.911	ppb	1.1520	0.2	128569	97.18230
Tl 190.794	4901.69	ppb	23.1950	0.5	3362.47	98.03383
V 292.401	4959.34	ppb	17.6057	0.4	139096	99.18690
Zn 206.200	2460.17	ppb	3.3899	0.1	3835.09	98.40694

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (CCB) 3/26/2013, 9:31:33 PM Rack 2, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5516u	0.7769	-0.3823u
Al 308.215	-4.1334u	-1.6259u	-2.6645u
As 188.980	-3.2923u	-3.4488u	1.0671
B 249.678	42.6376	36.5435	32.7502
Ba 389.178	-0.0398u	0.3517	-0.4927u
Be 313.042	-0.0125u	-0.0178u	-0.0131u
Ca 370.602	-3.065u	-1.043u	5.152
Cd 226.502	-0.0481u	0.0545	-0.2367u
Co 228.615	0.1571	0.6132	-0.1304u
Cr 267.716	0.0478	-0.2048u	-0.1252u
Cu 324.754	0.0895	-0.8353u	0.4602
Fe 271.441	5.6657	5.5119	-9.9868u
K 766.491	-0.0970u	-0.2701u	-0.0836u
Mg 279.078	3.5460	-1.0781u	-0.9722u
Mn 257.610	-0.0124u	-0.0441u	-0.0757u
Mo 202.032	-0.1585u	0.3499	-0.0789u
Na 330.237	124.802	251.518	37.1719
Ni 231.604	0.2370	-0.3851u	-0.0984u
Pb 220.353	-2.0164u	-0.7085u	-2.0269u
Sb 206.834	3.8973	10.7742	0.9210
Se 196.026	-0.8391u	11.2592	3.0126
Sn 189.925	0.0188	2.3480	1.6359
Sr 216.596	0.0744	0.5527	-0.1771u
Ti 334.941	0.2963	0.1861	0.1152
Tl 190.794	3.0535	2.8297	-3.0487u
V 292.401	0.0674	0.2468	0.3448
Zn 206.200	-0.0271u	-0.8525u	-0.3288u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3857	ppb	1.1643	301.9	-93.3547	-0.38567
Al 308.215	-2.8079	ppb	1.2599	44.9	249.066	-2.80795
As 188.980	-1.8913	ppb	2.5633	135.5	-1.5797	-1.89134
B 249.678	37.3104	ppb	4.9882	13.4	547.956	37.31043
Ba 389.178	-0.0603	ppb	0.4226	701.0	-31.5151	-0.06028
Be 313.042	-0.0144	ppb	0.0029	20.1	-239.010	-0.01444
Ca 370.602	0.3483	ppb	4.282	1229.5	-4.807	0.34825
Cd 226.502	-0.0768	ppb	0.1477	192.4	8.2046	-0.07678
Co 228.615	0.2133	ppb	0.3750	175.8	14.3826	0.21330
Cr 267.716	-0.0941	ppb	0.1292	137.3	-1.4524	-0.09409
Cu 324.754	-0.0952	ppb	0.6672	700.7	105.578	-0.09521
Fe 271.441	0.3969	ppb	8.9929	2265.7	4.3133	0.39692
K 766.491	-0.1502	ppb	0.1040	69.2	198.247	-0.15023
Mg 279.078	0.4986	ppb	2.6397	529.5	26.3765	0.49857
Mn 257.610	-0.0441	ppb	0.0316	71.7	48.5684	-0.04409
Mo 202.032	0.0375	ppb	0.2735	728.9	9.4596	0.03752
Na 330.237	137.831	ppb	107.765	78.2	7.1072	137.83073
Ni 231.604	-0.0822	ppb	0.3114	378.9	2.1049	-0.08219
Pb 220.353	-1.5839	ppb	0.7582	47.9	0.9038	-1.58392
Sb 206.834	5.1975	ppb	5.0537	97.2	6.3109	5.19751
Se 196.026	4.4776	ppb	6.1808	138.0	1.0622	4.47756
Sn 189.925	1.3342	ppb	1.1935	89.5	-0.2838	1.33423
Sr 216.596	0.1500	ppb	0.3707	247.1	9.8668	0.15004
Ti 334.941	0.1992	ppb	0.0912	45.8	-39.1880	0.19921
Tl 190.794	0.9448	ppb	3.4603	366.2	-0.5740	0.94483
V 292.401	0.2197	ppb	0.1407	64.0	10.0865	0.21966
Zn 206.200	-0.4028	ppb	0.4176	203.7	89.37176	-0.40282

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88518-a-11-d (Samp) 3/26/2013, 9:36:58 PM Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9871u	-1.0862u	-1.8736u
Al 308.215	163196	162951	162275
As 188.980	17.1276	17.9277	14.0783
B 249.678	17.3380	16.0519u	15.9125u
Ba 389.178	227.111	226.190	226.106
Be 313.042	1.8019	1.7843	1.7931
Ca 370.602	5596	5588	5571
Cd 226.502	-0.7549	-0.6218	-0.4505
Co 228.615	7.1537	6.2757	7.3617
Cr 267.716	153.298	152.391	151.880
Cu 324.754	56.8111	56.0147	57.2231
Fe 271.441	169382	168483	168175
K 766.491	4818.76	4789.81	4801.88
Mg 279.078	3495.36	3474.09	3472.82
Mn 257.610	238.520	237.375	237.146
Mo 202.032	4.4796	5.2785	5.3136
Na 330.237	159.184u	193.977u	373.833u
Ni 231.604	36.2124	36.2072	36.2487
Pb 220.353	94.1171	92.1417	93.9351
Sb 206.834	2.2906	-2.9289	0.2158
Se 196.026	10.4481	4.5721	-0.0819
Sn 189.925	17.4093	20.4619	17.4421
Sr 216.596	41.7530	40.6101	41.3366
Ti 334.941	1744.48	1735.21	1737.25
Tl 190.794	4.0419u	4.5440u	12.2139
V 292.401	495.820	493.805	494.404
Zn 206.200	102.127	101.845	102.480

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6489	ppb	0.4907	29.8	-180.062
Al 308.215	162807	ppb	477.280	0.3	948293
As 188.980	16.3779	ppb	2.0313	12.4	8.0598
B 249.678	16.4341	ppb	0.7859	4.8	192.599
Ba 389.178	226.469	ppb	0.5578	0.2	5826.88
Be 313.042	1.7931	ppb	0.0088	0.5	3304.76
Ca 370.602	5585	ppb	12.58	0.2	4590
Cd 226.502	-0.6091	ppb	0.1526	25.1	400.187
Co 228.615	6.9303	ppb	0.5764	8.3	134.929
Cr 267.716	152.523	ppb	0.7179	0.5	6698.56
Cu 324.754	56.6830	ppb	0.6143	1.1	2947.64
Fe 271.441	168680	ppb	626.910	0.4	286867
K 766.491	4803.49	ppb	14.5394	0.3	242171
Mg 279.078	3480.76	ppb	12.6634	0.4	7255.02
Mn 257.610	237.680	ppb	0.7361	0.3	55278.0
Mo 202.032	5.0239	ppb	0.4717	9.4	33.9832
Na 330.237	242.331	ppb	115.205	47.5	-52.7157
Ni 231.604	36.2228	ppb	0.0226	0.1	100.589
Pb 220.353	93.3980	ppb	1.0917	1.2	153.902
Sb 206.834	-0.1408	ppb	2.6280	1865.9	6.2761
Se 196.026	4.9794	ppb	5.2768	106.0	2.3474
Sn 189.925	18.4378	ppb	1.7530	9.5	13.0092
Sr 216.596	41.2332	ppb	0.5784	1.4	472.237
Ti 334.941	1738.98	ppb	4.8692	0.3	460326
Tl 190.794	6.9333	ppb	4.5801	66.1	-2.4597
V 292.401	494.676	ppb	1.0349	0.2	13934.4
Zn 206.200	102.151	ppb	0.3178	0.3	161.633

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88518-a-12-d (Samp) 3/26/2013, 9:42:23 PM Rack 2, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3929u	-0.9281u	-1.8098u
Al 308.215	43374.5	43375.2	43369.0
As 188.980	9.3916	8.6962	5.5957
B 249.678	-11.7334u	-10.1432u	-11.0755u
Ba 389.178	47.5308	47.4904	47.6108
Be 313.042	0.5101	0.5194	0.5111
Ca 370.602	6564	6560	6563
Cd 226.502	-0.6479	-0.3722	-0.3029
Co 228.615	2.2638	2.2611	2.0905
Cr 267.716	74.0674	73.3814	74.0014
Cu 324.754	24.0092	23.8245	24.8428
Fe 271.441	88148.6	88134.3	88240.7
K 766.491	1186.12	1189.74	1190.70
Mg 279.078	793.040	790.712	787.623
Mn 257.610	222.668	222.214	222.409
Mo 202.032	10.0910	9.1624	9.7739
Na 330.237	187.294u	71.3859u	122.716u
Ni 231.604	5.9075	6.7784	6.4991
Pb 220.353	97.0112	98.3374	98.0734
Sb 206.834	-0.5555	-0.8958	3.7700
Se 196.026	-1.2359u	-3.4203u	10.0959
Sn 189.925	18.7254	22.1581	21.0819
Sr 216.596	39.5960	39.5630	40.3860
Ti 334.941	571.437	569.728	572.721
Tl 190.794	0.5015u	5.0824	0.0291u
V 292.401	264.785	264.500	265.267
Zn 206.200	31.4509	32.1121	30.5542

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3769	ppb	0.4411	32.0	-162.468
Al 308.215	43372.9	ppb	3.3969	0.0	252825
As 188.980	7.8945	ppb	2.0209	25.6	3.6346
B 249.678	-10.9840	ppb	0.7990	7.3	9.3375
Ba 389.178	47.5440	ppb	0.0613	0.1	1279.63
Be 313.042	0.5136	ppb	0.0051	1.0	791.001
Ca 370.602	6562	ppb	2.128	0.0	14347
Cd 226.502	-0.4410	ppb	0.1825	41.4	209.823
Co 228.615	2.2052	ppb	0.0993	4.5	50.1410
Cr 267.716	73.8167	ppb	0.3785	0.5	3244.08
Cu 324.754	24.2255	ppb	0.5425	2.2	1327.27
Fe 271.441	88174.5	ppb	57.7499	0.1	149956
K 766.491	1188.85	ppb	2.4142	0.2	60091.7
Mg 279.078	790.458	ppb	2.7174	0.3	1671.48
Mn 257.610	222.431	ppb	0.2278	0.1	51531.9
Mo 202.032	9.6758	ppb	0.4720	4.9	68.9327
Na 330.237	127.132	ppb	58.0801	45.7	-24.6745
Ni 231.604	6.3950	ppb	0.4447	7.0	20.8766
Pb 220.353	97.8073	ppb	0.7020	0.7	163.982
Sb 206.834	0.7729	ppb	2.6011	336.5	4.6257
Se 196.026	1.8132	ppb	7.2557	400.1	0.3189
Sn 189.925	20.6551	ppb	1.7557	8.5	14.7349
Sr 216.596	39.8483	ppb	0.4660	1.2	429.383
Ti 334.941	571.295	ppb	1.5013	0.3	151168
Tl 190.794	1.8710	ppb	2.7911	149.2	-3.1727
V 292.401	264.851	ppb	0.3879	0.1	7455.77
Zn 206.200	31.3724	ppb	0.7819	2.5	511818

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680-88518-a-13-d (Samp) 3/26/2013, 9:47:48 PM Rack 2, Tube 17
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0569	-0.4750u	-0.7431u
Al 308.215	82626.3	105838	92260.0
As 188.980	15.4028	12.6914	10.0465
B 249.678	-10.1588u	-12.8178u	-11.7235u
Ba 389.178	168.459	221.548	188.424
Be 313.042	1.5174	1.9814	1.6932
Ca 370.602	5392	5842	5555
Cd 226.502	-1.7634	0.5015	-0.8036
Co 228.615	3.0802	4.6556	4.5230
Cr 267.716	151.341	198.419	168.162
Cu 324.754	49.2630	63.0095	52.0531
Fe 271.441	130439	171007	145434
K 766.491	2635.01	3225.67	2834.87
Mg 279.078	1568.12	2042.68	1740.51
Mn 257.610	117.575	153.617	131.530
Mo 202.032	3.4601	5.1923	3.9246
Na 330.237	119.104u	-83.9869u	289.556u
Ni 231.604	16.7241	24.2182	21.8383
Pb 220.353	47.7402	60.8958	52.0605
Sb 206.834	-0.3773	-0.8263	-1.6316
Se 196.026	9.2980	4.6421	5.6383
Sn 189.925	17.2681	21.3470	20.6493
Sr 216.596	26.8074	35.8087	30.4171
Ti 334.941	897.135	1183.22	1004.77
Tl 190.794	1.3469u	8.3730	8.6919
V 292.401	307.337	401.805	342.121
Zn 206.200	61.4775	78.8444	67.0386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3871	ppb	0.4072	105.2	-92.3447
Al 308.215	93574.8	ppb	11661.6	12.5	545151
As 188.980	12.7136	ppb	2.6782	21.1	5.9933
B 249.678	-11.5667	ppb	1.3364	11.6	-53.1822
Ba 389.178	192.810	ppb	26.8150	13.9	4960.96
Be 313.042	1.7307	ppb	0.2343	13.5	3181.35
Ca 370.602	5596	ppb	227.9	4.1	6144
Cd 226.502	-0.6885	ppb	1.1368	165.1	348.922
Co 228.615	4.0862	ppb	0.8738	21.4	83.1250
Cr 267.716	172.640	ppb	23.8565	13.8	7571.56
Cu 324.754	54.7752	ppb	7.2663	13.3	2849.29
Fe 271.441	148960	ppb	20512.3	13.8	253330
K 766.491	2898.52	ppb	300.425	10.4	146212
Mg 279.078	1783.77	ppb	240.219	13.5	3738.24
Mn 257.610	134.240	ppb	18.1734	13.5	31391.2
Mo 202.032	4.1923	ppb	0.8966	21.4	29.6175
Na 330.237	108.224	ppb	187.009	172.8	-47.8218
Ni 231.604	20.9269	ppb	3.8293	18.3	60.1522
Pb 220.353	53.5655	ppb	6.7057	12.5	89.7425
Sb 206.834	-0.9450	ppb	0.6355	67.2	5.3073
Se 196.026	6.5262	ppb	2.4516	37.6	2.9677
Sn 189.925	19.7548	ppb	2.1816	11.0	14.0334
Sr 216.596	31.0111	ppb	4.5299	14.6	365.604
Ti 334.941	1028.37	ppb	144.495	14.1	272187
Tl 190.794	6.1373	ppb	4.1516	67.6	-2.2589
V 292.401	350.421	ppb	47.7777	13.6	9864.64
Zn 206.200	69.1202	ppb	8.8686	12.8	109.910

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680-88518-a-14-e (Samp) 3/26/2013, 9:53:23 PM Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6392u	-1.4973u	-0.7398u
Al 308.215	61827.2	61661.1	61544.3
As 188.980	2.5504u	6.5246	12.4551
B 249.678	-31.5423u	-30.4972u	-32.1932u
Ba 389.178	124.102	122.142	121.346
Be 313.042	2.6528	2.6509	2.6318
Ca 370.602	2552u	2554u	2598u
Cd 226.502	-1.4393	-1.9271	-1.5692
Co 228.615	5.6752	5.7375	4.9250
Cr 267.716	189.312	188.698	187.217
Cu 324.754	79.3134	78.0490	79.1059
Fe 271.441	295603	294707	294058
K 766.491	1923.27	1925.06	1927.30
Mg 279.078	2684.54	2677.93	2680.22
Mn 257.610	234.377	233.500	232.697
Mo 202.032	1.6498u	1.8018u	1.3550u
Na 330.237	300.011u	467.636u	241.037u
Ni 231.604	11.0865	10.5211	12.7093
Pb 220.353	68.9638	72.8314	73.5392
Sb 206.834	6.2152	-3.9292	-5.6069
Se 196.026	9.3956	-6.4124u	-0.0489
Sn 189.925	21.7349	18.8157	19.0913
Sr 216.596	15.2696	16.6175	15.1297
Ti 334.941	1617.22	1616.41	1606.43
Tl 190.794	8.3657u	10.1616u	8.8747u
V 292.401	834.171	833.042	831.142
Zn 206.200	52.7641	53.3751	52.6916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9588	ppb	0.4691	48.9	-129.432
Al 308.215	61677.6	ppb	142.149	0.2	359402
As 188.980	7.1767	ppb	4.9844	69.5	1.0623
B 249.678	-31.4109	ppb	0.8556	2.7	-377.336
Ba 389.178	122.530	ppb	1.4187	1.2	3449.01
Be 313.042	2.6451	ppb	0.0116	0.4	4951.86
Ca 370.602	2568	ppb	26.39	1.0	-15972
Cd 226.502	-1.6452	ppb	0.2526	15.4	669.043
Co 228.615	5.4459	ppb	0.4522	8.3	110.148
Cr 267.716	188.409	ppb	1.0770	0.6	8288.13
Cu 324.754	78.8228	ppb	0.6780	0.9	4071.81
Fe 271.441	294790	ppb	775.685	0.3	501332
K 766.491	1925.21	ppb	2.0182	0.1	97183.9
Mg 279.078	2680.90	ppb	3.3530	0.1	5641.04
Mn 257.610	233.525	ppb	0.8400	0.4	54659.4
Mo 202.032	1.6022	ppb	0.2272	14.2	4.9294
Na 330.237	336.228	ppb	117.561	35.0	-84.3411
Ni 231.604	11.4390	ppb	1.1359	9.9	38.3291
Pb 220.353	71.7781	ppb	2.4628	3.4	120.100
Sb 206.834	-1.1070	ppb	6.3964	577.8	8.4379
Se 196.026	0.9781	ppb	7.9539	813.2	1.1112
Sn 189.925	19.8806	ppb	1.6117	8.1	14.1270
Sr 216.596	15.6723	ppb	0.8216	5.2	270.018
Ti 334.941	1613.35	ppb	6.0052	0.4	427073
Tl 190.794	9.1340	ppb	0.9256	10.1	-5.2604
V 292.401	832.785	ppb	1.5307	0.2	23441.4
Zn 206.200	52.9436	ppb	0.3755	0.7	845587

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4448	-0.8106u	0.0544
Al 308.215	35942.7	35838.7	35852.3
As 188.980	-1.0051u	7.6886	10.5142
B 249.678	-29.1909u	-29.2716u	-29.7698u
Ba 389.178	107.176	107.665	106.725
Be 313.042	2.3786	2.3786	2.3715
Ca 370.602	1434u	1469u	1500u
Cd 226.502	-1.3261	-1.3518	-1.2564
Co 228.615	4.6800	4.0723	3.9033
Cr 267.716	51.4359	51.4816	50.8315
Cu 324.754	66.8481	66.1598	65.9819
Fe 271.441	220929	220301	220568
K 766.491	1043.60	1044.25	1025.91
Mg 279.078	1399.11	1392.10	1385.01
Mn 257.610	348.091	346.711	347.119
Mo 202.032	0.5323u	0.5722u	1.2090u
Na 330.237	87.6682u	102.413u	202.466u
Ni 231.604	8.8002	8.8757	5.7113
Pb 220.353	40.7779	45.2339	42.9030
Sb 206.834	-6.5456u	0.0382	-3.6694
Se 196.026	-0.8174	5.8850	13.1986
Sn 189.925	21.1417	17.6777	15.8077
Sr 216.596	9.9030	8.6851	8.9088
Ti 334.941	685.198	682.505	681.209
Tl 190.794	5.1575u	4.9428u	3.2673u
V 292.401	204.589	203.676	204.498
Zn 206.200	41.1953	37.5590	40.0358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1038	ppb	0.6425	618.9	-71.9219
Al 308.215	35877.9	ppb	56.5070	0.2	209181
As 188.980	5.7326	ppb	6.0036	104.7	0.9131
B 249.678	-29.4108	ppb	0.3135	1.1	-288.815
Ba 389.178	107.189	ppb	0.4702	0.4	2953.31
Be 313.042	2.3762	ppb	0.0041	0.2	4446.01
Ca 370.602	1468	ppb	32.84	2.2	-13550
Cd 226.502	-1.3114	ppb	0.0493	3.8	500.342
Co 228.615	4.2185	ppb	0.4085	9.7	72.5864
Cr 267.716	51.2497	ppb	0.3628	0.7	2288.38
Cu 324.754	66.3299	ppb	0.4575	0.7	3440.81
Fe 271.441	220599	ppb	315.538	0.1	375159
K 766.491	1037.92	ppb	10.4059	1.0	52488.6
Mg 279.078	1392.07	ppb	7.0506	0.5	2948.66
Mn 257.610	347.307	ppb	0.7089	0.2	80656.0
Mo 202.032	0.7711	ppb	0.3797	49.2	3.8922
Na 330.237	130.849	ppb	62.4586	47.7	-65.1497
Ni 231.604	7.7957	ppb	1.8056	23.2	27.2629
Pb 220.353	42.9716	ppb	2.2288	5.2	73.5335
Sb 206.834	-3.3923	ppb	3.3006	97.3	3.4685
Se 196.026	6.0887	ppb	7.0102	115.1	3.2208
Sn 189.925	18.2090	ppb	2.7064	14.9	12.8288
Sr 216.596	9.1656	ppb	0.6483	7.1	179.200
Ti 334.941	682.971	ppb	2.0347	0.3	180749
Tl 190.794	4.4558	ppb	1.0349	23.2	-6.1952
V 292.401	204.254	ppb	0.5028	0.2	5756.73
Zn 206.200	39.5967	ppb	1.8575	4.7	641123

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680-88518-a-16-d (Samp) 3/26/2013, 10:04:13 PM Rack 2, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1980u	-1.5365u	-1.4802u
Al 308.215	57857.7	57487.8	57377.5
As 188.980	583.379	580.278	592.744
B 249.678	-6.9528u	-7.0021u	-7.4865u
Ba 389.178	632.832	629.079	628.738
Be 313.042	3.2609	3.2457	3.2395
Ca 370.602	10228	10182	10177
Cd 226.502	0.6895	0.8833	0.9217
Co 228.615	25.5629	25.9737	25.0599
Cr 267.716	106.877	105.865	105.565
Cu 324.754	415.866	411.921	417.620
Fe 271.441	145192	144274	144194
K 766.491	2668.80	2657.40	2659.96
Mg 279.078	2182.73	2166.00	2158.73
Mn 257.610	909.108	902.272	901.939
Mo 202.032	11.2815	11.5060	10.4338
Na 330.237	140.233u	130.298u	302.741u
Ni 231.604	46.9198	45.3528	46.3658
Pb 220.353	904.703	896.498	894.401
Sb 206.834	6.1503	13.7936	15.1333
Se 196.026	8.1884	6.0349	5.6830
Sn 189.925	47.6093	53.2492	46.6657
Sr 216.596	247.058	245.948	243.745
Ti 334.941	1336.12	1332.45	1326.44
Tl 190.794	4.3620u	18.6019	8.3947u
V 292.401	250.896	249.338	249.331
Zn 206.200	426.948	422.681	423.775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0716	ppb	0.7571	70.6	-147.218
Al 308.215	57574.3	ppb	251.539	0.4	335521
As 188.980	585.467	ppb	6.4900	1.1	360.518
B 249.678	-7.1471	ppb	0.2949	4.1	-7.3031
Ba 389.178	630.216	ppb	2.2717	0.4	15755.4
Be 313.042	3.2487	ppb	0.0110	0.3	6161.23
Ca 370.602	10196	ppb	28.20	0.3	21767
Cd 226.502	0.8315	ppb	0.1245	15.0	395.256
Co 228.615	25.5322	ppb	0.4577	1.8	343.125
Cr 267.716	106.102	ppb	0.6873	0.6	4669.89
Cu 324.754	415.136	ppb	2.9190	0.7	20605.9
Fe 271.441	144553	ppb	554.701	0.4	245838
K 766.491	2662.05	ppb	5.9796	0.2	134301
Mg 279.078	2169.16	ppb	12.3065	0.6	4538.79
Mn 257.610	904.440	ppb	4.0463	0.4	208769
Mo 202.032	11.0738	ppb	0.5655	5.1	75.6592
Na 330.237	191.091	ppb	96.8197	50.7	-47.3454
Ni 231.604	46.2128	ppb	0.7946	1.7	126.179
Pb 220.353	898.534	ppb	5.4449	0.6	1485.83
Sb 206.834	11.6924	ppb	4.8461	41.4	16.3159
Se 196.026	6.6354	ppb	1.3564	20.4	3.1843
Sn 189.925	49.1748	ppb	3.5600	7.2	36.9032
Sr 216.596	245.583	ppb	1.6864	0.7	2454.14
Ti 334.941	1331.67	ppb	4.8871	0.4	352481
Tl 190.794	10.4529	ppb	7.3397	70.2	0.0606
V 292.401	249.855	ppb	0.9018	0.4	7044.29
Zn 206.200	424.468	ppb	2.2163	0.5	665.871

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680-88518-a-17-d (Samp) 3/26/2013, 10:09:39 PM Rack 2, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5876u	-0.6474u	-0.4659u
Al 308.215	87756.8	86948.4	86998.5
As 188.980	10.7895	22.9979	17.4660
B 249.678	-21.1616u	-19.3927u	-18.6739u
Ba 389.178	77.5229	78.5651	78.4004
Be 313.042	3.4876	3.4413	3.4531
Ca 370.602	3261u	3271u	3279u
Cd 226.502	-0.5194	-0.6075	-0.8639
Co 228.615	4.7251	5.5962	4.6662
Cr 267.716	124.739	123.130	123.017
Cu 324.754	51.4414	50.8482	51.1825
Fe 271.441	152063	150868	150746
K 766.491	1473.93	1471.21	1471.49
Mg 279.078	997.763	986.901	987.045
Mn 257.610	98.8879	97.8586	97.9305
Mo 202.032	3.9995	4.9466	3.9866
Na 330.237	252.000u	-54.7266u	-96.6240u
Ni 231.604	19.0445	18.9682	20.4105
Pb 220.353	49.9405	54.3721	48.0916
Sb 206.834	2.5449	-5.7139u	1.6226
Se 196.026	-0.9334	7.5019	-2.1893u
Sn 189.925	20.1415	18.0720	18.4365
Sr 216.596	12.0513	12.9942	12.5944
Ti 334.941	1031.42	1020.75	1016.37
Tl 190.794	2.4260u	4.5301u	-1.7398u
V 292.401	290.096	287.521	288.351
Zn 206.200	44.3643	46.0967	46.0569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5670	ppb	0.0925	16.3	-104.763
Al 308.215	87234.6	ppb	452.986	0.5	508233
As 188.980	17.0845	ppb	6.1131	35.8	8.6560
B 249.678	-19.7428	ppb	1.2802	6.5	-132.447
Ba 389.178	78.1628	ppb	0.5603	0.7	2131.14
Be 313.042	3.4606	ppb	0.0241	0.7	6578.08
Ca 370.602	3271	ppb	9.079	0.3	-1713
Cd 226.502	-0.6636	ppb	0.1789	27.0	355.269
Co 228.615	4.9959	ppb	0.5208	10.4	93.5138
Cr 267.716	123.629	ppb	0.9631	0.8	5432.69
Cu 324.754	51.1574	ppb	0.2974	0.6	2672.29
Fe 271.441	151226	ppb	727.804	0.5	257182
K 766.491	1472.21	ppb	1.4984	0.1	74365.1
Mg 279.078	990.570	ppb	6.2302	0.6	2088.61
Mn 257.610	98.2257	ppb	0.5746	0.6	23098.1
Mo 202.032	4.3109	ppb	0.5506	12.8	30.4090
Na 330.237	33.5500	ppb	190.340	567.3	-52.1545
Ni 231.604	19.4744	ppb	0.8116	4.2	56.3968
Pb 220.353	50.8014	ppb	3.2275	6.4	85.2837
Sb 206.834	-0.5154	ppb	4.5256	878.0	5.3078
Se 196.026	1.4597	ppb	5.2702	361.0	0.4806
Sn 189.925	18.8834	ppb	1.1047	5.9	13.3550
Sr 216.596	12.5466	ppb	0.4732	3.8	186.338
Ti 334.941	1022.85	ppb	7.7414	0.8	270721
Tl 190.794	1.7388	ppb	3.1909	183.5	-5.3429
V 292.401	288.656	ppb	1.3142	0.5	8130.44
Zn 206.200	45.5059	ppb	0.9889	2.2	73.1300

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680-88518-a-18-e (Samp) 3/26/2013, 10:15:05 PM Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.0121u	-2.6495u	-3.2456u
Al 308.215	90679.9	90794.2	90585.8
As 188.980	39.4655	42.1088	37.5495
B 249.678	-9.6259u	-10.5111u	-10.2820u
Ba 389.178	419.288	419.771	419.086
Be 313.042	4.0847	4.0683	4.0528
Ca 370.602	14477	14472	14444
Cd 226.502	-0.3335	-0.3749	0.0108
Co 228.615	23.6407	23.5906	24.3539
Cr 267.716	163.955	163.788	162.933
Cu 324.754	83.1826	82.9258	81.4873
Fe 271.441	113561	113916	113689
K 766.491	3133.65	3150.26	3140.78
Mg 279.078	2745.61	2742.65	2740.01
Mn 257.610	1435.15	1439.16	1437.18
Mo 202.032	3.7780	3.4789	4.4839
Na 330.237	76.3510u	215.010u	154.274u
Ni 231.604	42.1035	42.9655	40.5125
Pb 220.353	256.733	259.719	252.635
Sb 206.834	-1.9932	-1.6517	-5.5674u
Se 196.026	-6.0613u	3.6761	0.4076
Sn 189.925	21.6276	32.6166	24.1122
Sr 216.596	94.2114	95.0197	94.0344
Ti 334.941	1319.32	1318.30	1309.03
Tl 190.794	10.4865	10.3914	3.7488u
V 292.401	247.345	248.023	247.780
Zn 206.200	199.970	202.378	203.217

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9690	ppb	0.3004	10.1	-271.691
Al 308.215	90686.6	ppb	104.405	0.1	528335
As 188.980	39.7079	ppb	2.2893	5.8	23.1318
B 249.678	-10.1397	ppb	0.4594	4.5	-6.6168
Ba 389.178	419.382	ppb	0.3522	0.1	10504.6
Be 313.042	4.0686	ppb	0.0160	0.4	7777.53
Ca 370.602	14464	ppb	17.63	0.1	38445
Cd 226.502	-0.2325	ppb	0.2117	91.1	279.958
Co 228.615	23.8617	ppb	0.4269	1.8	324.647
Cr 267.716	163.559	ppb	0.5484	0.3	7174.02
Cu 324.754	82.5319	ppb	0.9137	1.1	4207.74
Fe 271.441	113722	ppb	179.831	0.2	193406
K 766.491	3141.56	ppb	8.3336	0.3	158455
Mg 279.078	2742.76	ppb	2.8012	0.1	5710.09
Mn 257.610	1437.17	ppb	2.0044	0.1	331383
Mo 202.032	3.9136	ppb	0.5160	13.2	29.5570
Na 330.237	148.545	ppb	69.5070	46.8	-38.5143
Ni 231.604	41.8605	ppb	1.2445	3.0	114.173
Pb 220.353	256.362	ppb	3.5563	1.4	424.821
Sb 206.834	-3.0708	ppb	2.1689	70.6	2.5204
Se 196.026	-0.6592	ppb	4.9556	751.8	-0.4512
Sn 189.925	26.1188	ppb	5.7627	22.1	18.9843
Sr 216.596	94.4218	ppb	0.5253	0.6	970.832
Ti 334.941	1315.55	ppb	5.6683	0.4	348215
Tl 190.794	8.2089	ppb	3.8628	47.1	-0.9301
V 292.401	247.716	ppb	0.3436	0.1	6981.43
Zn 206.200	201.855	ppb	1.6854	0.8	217.531

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680-88518-a-19-d (Samp) 3/26/2013, 10:20:30 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5723u	-0.8394u	-1.2451u
Al 308.215	128663	128788	128923
As 188.980	40.0744	48.7763	37.9940
B 249.678	-5.8315u	-4.4111u	-5.0753u
Ba 389.178	364.897	364.933	365.761
Be 313.042	3.5182	3.5186	3.5130
Ca 370.602	7364	7374	7378
Cd 226.502	-0.6676	-0.6104	-0.6093
Co 228.615	16.8827	16.2474	16.8117
Cr 267.716	154.507	154.337	154.015
Cu 324.754	58.7488	58.3423	58.3660
Fe 271.441	161282	161433	161585
K 766.491	4338.21	4351.22	4334.50
Mg 279.078	2097.16	2100.59	2109.60
Mn 257.610	1147.41	1147.59	1149.39
Mo 202.032	6.0437	5.8166	4.8587
Na 330.237	64.4493u	-127.913u	221.213u
Ni 231.604	49.7178	51.1674	53.2045
Pb 220.353	78.9795	82.5271	80.4291
Sb 206.834	1.2471	6.3828	7.4439
Se 196.026	-5.4981u	-10.2078u	2.6796
Sn 189.925	20.5449	19.8899	22.1292
Sr 216.596	31.0258	30.2098	30.3154
Ti 334.941	1563.88	1559.74	1560.26
Tl 190.794	9.1771u	6.2953u	9.0056u
V 292.401	347.081	348.209	347.188
Zn 206.200	135.008	134.932	137.941

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2189	ppb	0.3672	30.1	-146.392
Al 308.215	128791	ppb	129.755	0.1	750220
As 188.980	42.2816	ppb	5.7200	13.5	24.1797
B 249.678	-5.1060	ppb	0.7107	13.9	-3.8515
Ba 389.178	365.197	ppb	0.4891	0.1	9237.03
Be 313.042	3.5166	ppb	0.0031	0.1	6690.45
Ca 370.602	7372	ppb	7.018	0.1	11091
Cd 226.502	-0.6291	ppb	0.0334	5.3	381.504
Co 228.615	16.6473	ppb	0.3481	2.1	244.835
Cr 267.716	154.286	ppb	0.2500	0.2	6778.21
Cu 324.754	58.4857	ppb	0.2282	0.4	3035.79
Fe 271.441	161433	ppb	151.439	0.1	274544
K 766.491	4341.31	ppb	8.7775	0.2	218890
Mg 279.078	2102.45	ppb	6.4254	0.3	4377.96
Mn 257.610	1148.13	ppb	1.0925	0.1	264940
Mo 202.032	5.5730	ppb	0.6289	11.3	38.2162
Na 330.237	52.5830	ppb	174.865	332.6	-59.2358
Ni 231.604	51.3632	ppb	1.7516	3.4	140.022
Pb 220.353	80.6452	ppb	1.7836	2.2	133.738
Sb 206.834	5.0246	ppb	3.3142	66.0	10.9704
Se 196.026	-4.3421	ppb	6.5210	150.2	-2.0558
Sn 189.925	20.8546	ppb	1.1514	5.5	14.8887
Sr 216.596	30.5170	ppb	0.4438	1.5	365.042
Ti 334.941	1561.29	ppb	2.2516	0.1	413277
Tl 190.794	8.1594	ppb	1.6166	19.8	-2.3202
V 292.401	347.493	ppb	0.6229	0.2	9791.90
Zn 206.200	135.960	ppb	1.7155	210.3	214.502

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88518-a-20-f (Samp) 3/26/2013, 10:25:57 PM Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0369u	0.0301u	0.0629u
Al 308.215	30436.8	30389.3	30445.4
As 188.980	583.532	584.093	577.002
B 249.678	1.4050u	1.4232u	1.5909u
Ba 389.178	604.971	604.947	604.060
Be 313.042	2.5091	2.4918	2.4990
Ca 370.602	23168	23117	23138
Cd 226.502	3.4040	3.8155	3.5826
Co 228.615	38.5533	39.1539	39.3889
Cr 267.716	73.7828	73.7451	73.3245
Cu 324.754	440.079	430.382	434.532
Fe 271.441	116440	116377	116684
K 766.491	3007.56	3005.11	2994.43
Mg 279.078	3524.04	3515.31	3519.78
Mn 257.610	1174.43	1174.60	1176.90
Mo 202.032	8.7779	7.8744	8.3244
Na 330.237	294.408u	176.531u	270.753u
Ni 231.604	59.2696	58.0335	57.3596
Pb 220.353	831.359	826.561	828.367
Sb 206.834	23.0223	18.2549	15.8403
Se 196.026	3.2714	0.0870	-2.6816u
Sn 189.925	71.0153	78.8200	69.2056
Sr 216.596	305.649	303.675	304.834
Ti 334.941	1082.63	1077.59	1079.47
Tl 190.794	3.9567u	4.7246u	12.6198
V 292.401	103.346	103.666	104.140
Zn 206.200	841.470	836.495	840.715

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0187	ppb	0.0509	271.9	-72.9482
Al 308.215	30423.8	ppb	30.2089	0.1	177424
As 188.980	581.542	ppb	3.9421	0.7	358.485
B 249.678	1.4731	ppb	0.1025	7.0	100.426
Ba 389.178	604.659	ppb	0.5194	0.1	15085.4
Be 313.042	2.5000	ppb	0.0087	0.3	4699.71
Ca 370.602	23141	ppb	25.38	0.1	66773
Cd 226.502	3.6007	ppb	0.2063	5.7	430.786
Co 228.615	39.0321	ppb	0.4309	1.1	495.937
Cr 267.716	73.6175	ppb	0.2544	0.3	3247.32
Cu 324.754	434.998	ppb	4.8654	1.1	21577.8
Fe 271.441	116500	ppb	161.869	0.1	198132
K 766.491	3002.37	ppb	6.9820	0.2	151443
Mg 279.078	3519.71	ppb	4.3650	0.1	7351.12
Mn 257.610	1175.31	ppb	1.3835	0.1	271085
Mo 202.032	8.3256	ppb	0.4518	5.4	58.9583
Na 330.237	247.231	ppb	62.3599	25.2	-37.1662
Ni 231.604	58.2209	ppb	0.9687	1.7	156.996
Pb 220.353	828.762	ppb	2.4232	0.3	1371.29
Sb 206.834	19.0392	ppb	3.6546	19.2	22.3046
Se 196.026	0.2256	ppb	2.9789	1320.5	-0.0644
Sn 189.925	73.0136	ppb	5.1092	7.0	55.4387
Sr 216.596	304.719	ppb	0.9917	0.3	3020.96
Ti 334.941	1079.90	ppb	2.5483	0.2	285829
Tl 190.794	7.1004	ppb	4.7954	67.5	-1.5710
V 292.401	103.717	ppb	0.3991	0.4	2932.65
Zn 206.200	839.560	ppb	2.6813	0.3	1315.16

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Cont Calib Verif (CCV) 3/26/2013, 10:31:23 PM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.830	503.918	499.415
Al 308.215	4979.75	4993.49	5007.24
As 188.980	460.043	470.831	456.884
B 249.678	2476.49	2502.85	2530.55
Ba 389.178	4987.55	4995.15	5002.49
Be 313.042	492.447	492.227	495.160
Ca 370.602	4922	4932	4957
Cd 226.502	483.386	484.307	485.668
Co 228.615	498.174	499.566	500.405
Cr 267.716	4745.73	4744.21	4774.28
Cu 324.754	4781.39	4867.11	4890.72
Fe 271.441	4978.94	5001.32	5009.27
K 766.491	9981.25	9956.37	10049.2
Mg 279.078	4891.92	4890.69	4912.75
Mn 257.610	4946.98	4951.52	4969.54
Mo 202.032	479.474	480.305	482.432
Na 330.237	7421.36	7435.52	7155.28
Ni 231.604	2467.29	2473.68	2482.69
Pb 220.353	486.113	488.614	486.021
Sb 206.834	934.010	929.738	927.888
Se 196.026	4878.84	4891.94	4903.83
Sn 189.925	4994.98	5009.43	4985.48
Sr 216.596	2410.38	2407.42	2422.47
Ti 334.941	484.052	484.053	486.571
Tl 190.794	4896.42	4865.76	4902.18
V 292.401	4953.33	4957.77	4974.99
Zn 206.200	2446.43	2455.48	2464.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.054	ppb	2.3496	0.5	35201.9	100.41085
Al 308.215	4993.49	ppb	13.7424	0.3	29318.9	99.86987
As 188.980	462.586	ppb	7.3128	1.6	285.719	92.51726
B 249.678	2503.30	ppb	27.0321	1.1	23821.6	100.13188
Ba 389.178	4995.06	ppb	7.4735	0.1	123341	99.90124
Be 313.042	493.278	ppb	1.6336	0.3	967812	98.65564
Ca 370.602	4937	ppb	17.95	0.4	16138	98.73790
Cd 226.502	484.453	ppb	1.1480	0.2	18235.1	96.89067
Co 228.615	499.382	ppb	1.1270	0.2	5887.97	99.87631
Cr 267.716	4754.74	ppb	16.9419	0.4	207552	95.09483
Cu 324.754	4846.41	ppb	57.5346	1.2	238882	96.92815
Fe 271.441	4996.51	ppb	15.7291	0.3	8622.68	99.93018
K 766.491	9995.61	ppb	48.0561	0.5	503712	99.95610
Mg 279.078	4898.45	ppb	12.3922	0.3	10151.5	97.96909
Mn 257.610	4956.01	ppb	11.9358	0.2	1141538	99.12023
Mo 202.032	480.737	ppb	1.5255	0.3	3190.68	96.14744
Na 330.237	7337.39	ppb	157.867	2.2	354.882	97.83181
Ni 231.604	2474.55	ppb	7.7405	0.3	6474.19	98.98211
Pb 220.353	486.916	ppb	1.4710	0.3	807.550	97.38319
Sb 206.834	930.545	ppb	3.1401	0.3	912.332	93.05453
Se 196.026	4891.53	ppb	12.4973	0.3	2405.30	97.83067
Sn 189.925	4996.63	ppb	12.0578	0.2	3882.53	99.93256
Sr 216.596	2413.42	ppb	7.9710	0.3	23468.3	96.53696
Ti 334.941	484.892	ppb	1.4541	0.3	128299	96.97845
Tl 190.794	4888.12	ppb	19.5738	0.4	3353.16	97.76236
V 292.401	4962.03	ppb	11.4434	0.2	139172	99.24059
Zn 206.200	2455.53	ppb	9.1495	0.4	3827.86	98.22110

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Cont Calib Blank (CCB) 3/26/2013, 10:36:48 PM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3281	-0.1926u	-0.5832u
Al 308.215	-4.0310u	-3.3913u	-3.6939u
As 188.980	-0.3004u	3.0722	5.8145
B 249.678	43.1680	36.9205	32.5423
Ba 389.178	0.6180	0.2456	0.2141
Be 313.042	-0.0187u	-0.0149u	0.0013
Ca 370.602	-5.497u	1.613	3.649
Cd 226.502	-0.0305u	-0.1199u	-0.1007u
Co 228.615	-0.8590u	0.2623	0.3458
Cr 267.716	-0.0361u	-0.1203u	-0.0627u
Cu 324.754	-0.5400u	-0.4756u	-0.2855u
Fe 271.441	7.7935	10.8010	7.9019
K 766.491	0.1198	-0.5586u	-0.8486u
Mg 279.078	3.3491	0.4111	2.4219
Mn 257.610	-0.0100u	0.0444	0.0830
Mo 202.032	0.6935	0.2398	0.6249
Na 330.237	-218.509u	-74.9142u	-127.066u
Ni 231.604	-0.5705u	-0.9341u	0.0264
Pb 220.353	1.8030	-0.6577u	-1.2107u
Sb 206.834	0.6685	-3.0788u	1.9960
Se 196.026	-3.5838u	-5.7082u	5.6456
Sn 189.925	3.7966	0.9308	3.2542
Sr 216.596	0.0578	-0.0085u	0.0940
Ti 334.941	0.2201	0.2794	0.2167
Tl 190.794	0.3899	1.7783	2.1128
V 292.401	-0.0629u	0.1921	0.0837
Zn 206.200	-0.1464u	1.1531	-0.3069u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1492	ppb	0.4572	306.4	-76.6900	-0.14921
Al 308.215	-3.7054	ppb	0.3200	8.6	243.885	-3.70537
As 188.980	2.8621	ppb	3.0629	107.0	1.3618	2.86208
B 249.678	37.5436	ppb	5.3402	14.2	550.153	37.54359
Ba 389.178	0.3593	ppb	0.2247	62.5	-21.1443	0.35925
Be 313.042	-0.0108	ppb	0.0107	99.0	-231.786	-0.01075
Ca 370.602	-0.0781	ppb	4.802	6149.5	-6.578	-0.07809
Cd 226.502	-0.0837	ppb	0.0470	56.2	7.9575	-0.08369
Co 228.615	-0.0836	ppb	0.6728	804.5	10.8844	-0.08363
Cr 267.716	-0.0730	ppb	0.0430	58.9	-0.5354	-0.07305
Cu 324.754	-0.4337	ppb	0.1323	30.5	88.9095	-0.43372
Fe 271.441	8.8321	ppb	1.7059	19.3	18.6475	8.83212
K 766.491	-0.4291	ppb	0.4970	115.8	184.197	-0.42914
Mg 279.078	2.0607	ppb	1.5019	72.9	29.6306	2.06069
Mn 257.610	0.0391	ppb	0.0467	119.4	67.7605	0.03915
Mo 202.032	0.5194	ppb	0.2446	47.1	12.6575	0.51942
Na 330.237	-140.163	ppb	72.6876	51.9	-7.2469	-140.16283
Ni 231.604	-0.4927	ppb	0.4850	98.4	1.0313	-0.49271
Pb 220.353	-0.0218	ppb	1.6043	7365.0	3.4833	-0.02178
Sb 206.834	-0.1381	ppb	2.6318	1905.7	1.3308	-0.13810
Se 196.026	-1.2155	ppb	6.0361	496.6	-1.7371	-1.21548
Sn 189.925	2.6605	ppb	1.5223	57.2	0.7471	2.66055
Sr 216.596	0.0478	ppb	0.0520	108.8	8.8668	0.04779
Ti 334.941	0.2387	ppb	0.0353	14.8	-28.7007	0.23873
Tl 190.794	1.4270	ppb	0.9136	64.0	-0.2432	1.42698
V 292.401	0.0710	ppb	0.1280	180.4	5.8376	0.07095
Zn 206.200	0.2332	ppb	0.8996	243.3	2.7121	0.23325

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5295u	-0.1664u	0.5699
Al 308.215	135221	135673	135079
As 188.980	39.7421	34.1455	35.2848
B 249.678	0.3787u	0.1177u	-0.5552u
Ba 389.178	634.805	635.862	633.268
Be 313.042	1.1902	1.1897	1.1941
Ca 370.602	4233	4238	4220
Cd 226.502	-0.3545	-0.4131	-0.3448
Co 228.615	7.0273	7.1179	7.4499
Cr 267.716	167.010	167.642	167.127
Cu 324.754	64.3128	66.1148	65.9750
Fe 271.441	138315	139049	138457
K 766.491	1374.67	1374.75	1365.44
Mg 279.078	1207.71	1208.02	1210.61
Mn 257.610	657.958	660.299	658.556
Mo 202.032	9.2012	9.2804	10.9380
Na 330.237	123.560u	-205.347u	310.195u
Ni 231.604	16.2614	13.9254	16.6331
Pb 220.353	139.099	133.340	137.371
Sb 206.834	4.4505	2.0799	2.4045
Se 196.026	-2.9985u	1.7037	8.2800
Sn 189.925	20.2869	23.5312	25.9931
Sr 216.596	44.6183	43.6565	44.2304
Ti 334.941	985.284	983.347	982.736
Tl 190.794	6.6861u	4.3686u	12.7799
V 292.401	374.595	376.319	375.222
Zn 206.200	71.9475	71.5214	74.1197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0420	ppb	0.5601	1334.2	-66.0239
Al 308.215	135324	ppb	310.589	0.2	788261
As 188.980	36.3908	ppb	2.9577	8.1	20.7384
B 249.678	-0.0196	ppb	0.4819	2459.7	65.6001
Ba 389.178	634.645	ppb	1.3045	0.2	15853.2
Be 313.042	1.1913	ppb	0.0024	0.2	2124.45
Ca 370.602	4231	ppb	9.277	0.2	2525
Cd 226.502	-0.3708	ppb	0.0369	10.0	335.403
Co 228.615	7.1984	ppb	0.2225	3.1	118.848
Cr 267.716	167.260	ppb	0.3362	0.2	7336.56
Cu 324.754	65.4675	ppb	1.0025	1.5	3373.02
Fe 271.441	138607	ppb	389.242	0.3	235724
K 766.491	1371.62	ppb	5.3541	0.4	69298.0
Mg 279.078	1208.78	ppb	1.5912	0.1	2517.98
Mn 257.610	658.938	ppb	1.2162	0.2	152205
Mo 202.032	9.8065	ppb	0.9807	10.0	67.3074
Na 330.237	76.1360	ppb	261.023	342.8	-46.0849
Ni 231.604	15.6066	ppb	1.4678	9.4	46.0389
Pb 220.353	136.603	ppb	2.9552	2.2	226.250
Sb 206.834	2.9783	ppb	1.2853	43.2	8.6303
Se 196.026	2.3284	ppb	5.6651	243.3	0.9715
Sn 189.925	23.2704	ppb	2.8620	12.3	16.7657
Sr 216.596	44.1684	ppb	0.4839	1.1	489.710
Ti 334.941	983.789	ppb	1.3303	0.1	260383
Tl 190.794	7.9449	ppb	4.3446	54.7	-1.1686
V 292.401	375.379	ppb	0.8728	0.2	10564.9
Zn 206.200	72.5296	ppb	1.3935	214.8	815.257

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mb 680-270365/1-a (Samp) 3/26/2013, 10:47:38 PM Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4786u	-0.2769u	-0.5350u
Al 308.215	5.4945	5.6159	2.4877
As 188.980	5.8736	1.0289	-0.3370u
B 249.678	-7.0365u	-8.3609u	-7.1450u
Ba 389.178	0.3001	0.4595	-0.9994u
Be 313.042	-0.0278u	-0.0278u	-0.0178u
Ca 370.602	17.89	21.57	17.57
Cd 226.502	-0.0819u	-0.0444u	-0.0776u
Co 228.615	-0.0531u	0.5323	-0.9117u
Cr 267.716	0.2823	0.0188	-0.0104u
Cu 324.754	0.2473	0.4606	-0.3168u
Fe 271.441	24.1414	14.4095	17.6899
K 766.491	8.8199	7.7521	8.4711
Mg 279.078	0.9609	8.0082	1.6809
Mn 257.610	0.3689	0.3247	0.4008
Mo 202.032	0.1474	0.3456	-0.0035u
Na 330.237	-83.5440u	-153.884u	134.867
Ni 231.604	-1.4765u	0.0118	-1.1569u
Pb 220.353	2.6508	-3.5240u	-1.4023u
Sb 206.834	2.6936	-6.3841u	-3.1339u
Se 196.026	5.6267	-5.9552u	7.3182
Sn 189.925	9.8486	6.6083	6.4948
Sr 216.596	-0.2385u	-0.1679u	0.3955
Ti 334.941	0.5493	0.5310	0.5160
Tl 190.794	2.1668	-1.3262u	2.0599
V 292.401	-0.4575u	0.2601	-0.4799u
Zn 206.200	-0.4343u	0.8490	0.0416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4302	ppb	0.1357	31.5	-96.4843
Al 308.215	4.5327	ppb	1.7721	39.1	291.836
As 188.980	2.1885	ppb	3.2636	149.1	0.9450
B 249.678	-7.5141	ppb	0.7353	9.8	124.804
Ba 389.178	-0.0799	ppb	0.8002	1001.3	-31.9621
Be 313.042	-0.0245	ppb	0.0058	23.6	-258.656
Ca 370.602	19.01	ppb	2.223	11.7	55.14
Cd 226.502	-0.0680	ppb	0.0205	30.2	8.5849
Co 228.615	-0.1442	ppb	0.7263	503.8	10.1824
Cr 267.716	0.0969	ppb	0.1612	166.4	6.8930
Cu 324.754	0.1304	ppb	0.4017	308.1	116.707
Fe 271.441	18.7470	ppb	4.9513	26.4	35.5352
K 766.491	8.3477	ppb	0.5445	6.5	626.310
Mg 279.078	3.5500	ppb	3.8777	109.2	32.7284
Mn 257.610	0.3648	ppb	0.0382	10.5	142.816
Mo 202.032	0.1632	ppb	0.1751	107.3	10.2932
Na 330.237	-34.1868	ppb	150.570	440.4	-1.7807
Ni 231.604	-0.8739	ppb	0.7835	89.7	0.0348
Pb 220.353	-0.7585	ppb	3.1374	413.6	2.2665
Sb 206.834	-2.2748	ppb	4.5995	202.2	-0.6564
Se 196.026	2.3299	ppb	7.2248	310.1	0.0064
Sn 189.925	7.6506	ppb	1.9044	24.9	4.6258
Sr 216.596	-0.0036	ppb	0.3474	9594.9	8.3918
Ti 334.941	0.5321	ppb	0.0167	3.1	48.9654
Tl 190.794	0.9668	ppb	1.9866	205.5	-0.5602
V 292.401	-0.2258	ppb	0.4209	186.4	-2.4797
Zn 206.200	0.1521	ppb	0.6488	215.8	2.5845

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ics 680-270365/2-a (Samp) 3/26/2013, 10:53:03 PM Rack 2, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	14.5906	14.2829	14.5331
Al 308.215	5145.65	5175.69	5182.54
As 188.980	113.814	117.817	105.201
B 249.678	191.905	195.841	196.655
Ba 389.178	106.559	108.713	108.306
Be 313.042	53.4209	53.8296	53.9419
Ca 370.602	5110	5161	5177
Cd 226.502	52.3973	52.6371	53.1065
Co 228.615	54.2216	54.3511	54.0447
Cr 267.716	102.495	103.608	104.317
Cu 324.754	106.909	107.519	104.277
Fe 271.441	5298.95	5320.82	5322.54
K 766.491	5406.11	5417.34	5429.41
Mg 279.078	5187.44	5217.56	5231.75
Mn 257.610	538.854	541.779	542.431
Mo 202.032	102.749	103.627	104.005
Na 330.237	5142.02	5191.25	5006.69
Ni 231.604	106.960	102.488	106.200
Pb 220.353	49.2487	51.7557	54.1658
Sb 206.834	50.2781	53.2261	48.2826
Se 196.026	104.131	107.093	98.9925
Sn 189.925	221.930	219.991	225.201
Sr 216.596	104.133	106.934	105.163
Ti 334.941	103.349	104.371	104.775
Tl 190.794	48.5202	45.7879	43.5997
V 292.401	106.662	107.371	106.940
Zn 206.200	105.460	107.278	107.663

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.4689	ppb	0.1636	1.1	950.042
Al 308.215	5167.96	ppb	19.6226	0.4	30370.9
As 188.980	112.277	ppb	6.4467	5.7	69.0339
B 249.678	194.801	ppb	2.5402	1.3	2029.64
Ba 389.178	107.859	ppb	1.1445	1.1	2656.53
Be 313.042	53.7308	ppb	0.2742	0.5	105241
Ca 370.602	5149	ppb	34.94	0.7	16565
Cd 226.502	52.7136	ppb	0.3607	0.7	2005.74
Co 228.615	54.2058	ppb	0.1538	0.3	648.015
Cr 267.716	103.473	ppb	0.9183	0.9	4522.10
Cu 324.754	106.235	ppb	1.7230	1.6	5348.34
Fe 271.441	5314.11	ppb	13.1528	0.2	9050.26
K 766.491	5417.62	ppb	11.6529	0.2	273106
Mg 279.078	5212.25	ppb	22.6276	0.4	10874.8
Mn 257.610	541.021	ppb	1.9048	0.4	124707
Mo 202.032	103.460	ppb	0.6445	0.6	695.360
Na 330.237	5113.32	ppb	95.5687	1.9	260.664
Ni 231.604	105.216	ppb	2.3925	2.3	277.605
Pb 220.353	51.7234	ppb	2.4587	4.8	88.7488
Sb 206.834	50.5956	ppb	2.4870	4.9	48.8409
Se 196.026	103.406	ppb	4.0988	4.0	49.8691
Sn 189.925	222.374	ppb	2.6335	1.2	171.532
Sr 216.596	105.410	ppb	1.4166	1.3	1032.70
Ti 334.941	104.165	ppb	0.7349	0.7	27507.4
Tl 190.794	45.9693	ppb	2.4652	5.4	29.6495
V 292.401	106.991	ppb	0.3573	0.3	2987.25
Zn 206.200	106.800	ppb	1.1766	1.1	169.057

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Ics 680-270365/3-a (Samp) 3/26/2013, 10:58:29 PM Rack 2, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	215.914	216.770	214.180
Al 308.215	2130.08	2140.80	2130.54
As 188.980	212.534	217.707	217.924
B 249.678	388.455	393.573	393.370
Ba 389.178	204.225	205.081	203.094
Be 313.042	205.882	206.784	206.084
Ca 370.602	19868	19973	19900
Cd 226.502	197.681	197.621	196.679
Co 228.615	200.958	201.682	201.054
Cr 267.716	195.970	197.510	196.945
Cu 324.754	204.526	205.056	203.878
Fe 271.441	21056.1	21101.9	21009.7
K 766.491	20654.0	20626.3	20532.5
Mg 279.078	20052.1	20148.3	20088.9
Mn 257.610	2071.25	2076.00	2071.23
Mo 202.032	200.283	199.263	200.168
Na 330.237	18033.3	18136.5	17893.2
Ni 231.604	202.946	201.416	203.628
Pb 220.353	197.974	198.918	197.162
Sb 206.834	196.384	196.460	191.632
Se 196.026	211.364	216.654	195.017
Sn 189.925	220.042	217.239	221.348
Sr 216.596	211.373	213.920	212.660
Ti 334.941	200.308	202.109	201.380
Tl 190.794	45.3812	47.6609	45.0841
V 292.401	205.009	205.060	204.082
Zn 206.200	192.811	193.107	192.098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	215.621	ppb	1.3195	0.6	15105.0
Al 308.215	2133.81	ppb	6.0622	0.3	12714.3
As 188.980	216.055	ppb	3.0515	1.4	133.195
B 249.678	391.799	ppb	2.8983	0.7	3874.49
Ba 389.178	204.133	ppb	0.9963	0.5	5099.68
Be 313.042	206.250	ppb	0.4731	0.2	404613
Ca 370.602	19914	ppb	53.68	0.3	63992
Cd 226.502	197.327	ppb	0.5620	0.3	7480.70
Co 228.615	201.231	ppb	0.3930	0.2	2374.51
Cr 267.716	196.808	ppb	0.7791	0.4	8604.39
Cu 324.754	204.487	ppb	0.5904	0.3	10196.0
Fe 271.441	21055.9	ppb	46.0795	0.2	35844.2
K 766.491	20604.2	ppb	63.6810	0.3	1038098
Mg 279.078	20096.4	ppb	48.5102	0.2	41862.4
Mn 257.610	2072.83	ppb	2.7458	0.1	477629
Mo 202.032	199.904	ppb	0.5582	0.3	1334.49
Na 330.237	18021.0	ppb	122.140	0.7	920.714
Ni 231.604	202.663	ppb	1.1328	0.6	532.784
Pb 220.353	198.018	ppb	0.8788	0.4	330.505
Sb 206.834	194.825	ppb	2.7657	1.4	184.458
Se 196.026	207.678	ppb	11.2797	5.4	101.607
Sn 189.925	219.543	ppb	2.0995	1.0	169.342
Sr 216.596	212.651	ppb	1.2733	0.6	2079.91
Ti 334.941	201.266	ppb	0.9063	0.5	53277.9
Tl 190.794	46.0420	ppb	1.4098	3.1	27.6648
V 292.401	204.717	ppb	0.5505	0.3	5711.97
Zn 206.200	192.672	ppb	0.5187	0.3	203.066

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88517-a-8-c (Samp) 3/26/2013, 11:03:54 PM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1343u	-0.6119u	-1.3202u
Al 308.215	88521.1	88283.6	88134.7
As 188.980	22.8612	24.6659	23.7982
B 249.678	-5.2929u	-5.4446u	-5.6887u
Ba 389.178	70.3615	70.5173	70.1575
Be 313.042	0.6476	0.6571	0.6423
Ca 370.602	1185u	1173u	1179u
Cd 226.502	-0.2633	-0.1169	-0.3781
Co 228.615	2.2044	2.4823	1.7652
Cr 267.716	98.7464	98.4798	98.6313
Cu 324.754	27.7477	29.2005	30.0106
Fe 271.441	80838.5	80609.7	80462.1
K 766.491	743.463	742.852	741.775
Mg 279.078	795.039	801.620	804.544
Mn 257.610	69.0494	68.8467	68.6965
Mo 202.032	6.1223	5.8984	5.7500
Na 330.237	141.498u	-278.809u	-76.0926u
Ni 231.604	10.3680	9.7444	10.4486
Pb 220.353	33.4029	30.8406	27.2062
Sb 206.834	-3.3319u	0.7395	0.3340
Se 196.026	8.0924	-7.3638u	-11.5646u
Sn 189.925	20.4017	15.1017	17.4772
Sr 216.596	24.9493	23.0059	25.0487
Ti 334.941	544.834	545.019	543.866
Tl 190.794	10.4461	1.5744u	5.5679
V 292.401	238.595	238.312	237.945
Zn 206.200	42.2327	42.2254	43.4923

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6888	ppb	0.5967	86.6	-113.978
Al 308.215	88313.1	ppb	194.888	0.2	514514
As 188.980	23.7751	ppb	0.9026	3.8	13.4944
B 249.678	-5.4754	ppb	0.1997	3.6	68.4455
Ba 389.178	70.3454	ppb	0.1805	0.3	1831.13
Be 313.042	0.6490	ppb	0.0075	1.2	1061.24
Ca 370.602	1179	ppb	5.987	0.5	-2778
Cd 226.502	-0.2528	ppb	0.1309	51.8	198.401
Co 228.615	2.1506	ppb	0.3616	16.8	49.3305
Cr 267.716	98.6192	ppb	0.1338	0.1	4325.23
Cu 324.754	28.9863	ppb	1.1466	4.0	1559.81
Fe 271.441	80636.8	ppb	189.657	0.2	137138
K 766.491	742.697	ppb	0.8546	0.1	37617.5
Mg 279.078	800.401	ppb	4.8687	0.6	1680.07
Mn 257.610	68.8642	ppb	0.1771	0.3	16142.7
Mo 202.032	5.9236	ppb	0.1874	3.2	44.4245
Na 330.237	-71.1346	ppb	210.197	295.5	-32.5257
Ni 231.604	10.1870	ppb	0.3854	3.8	30.6546
Pb 220.353	30.4832	ppb	3.1138	10.2	51.9710
Sb 206.834	-0.7528	ppb	2.2427	297.9	3.3235
Se 196.026	-3.6120	ppb	10.3516	286.6	-2.4304
Sn 189.925	17.6602	ppb	2.6547	15.0	12.4050
Sr 216.596	24.3346	ppb	1.1518	4.7	275.019
Ti 334.941	544.573	ppb	0.6189	0.1	144095
Tl 190.794	5.8628	ppb	4.4432	75.8	-0.0178
V 292.401	238.284	ppb	0.3259	0.1	6707.01
Zn 206.200	42.6502	ppb	0.7293	1.7	687426

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680-88517-a-9-c (Samp) 3/26/2013, 11:09:20 PM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2078	0.5963	0.0105
Al 308.215	20233.8	20141.0	20194.0
As 188.980	6.7133	2.5901	3.4209
B 249.678	-10.1432u	-10.6249u	-10.4925u
Ba 389.178	12.4583	11.8219	10.9746
Be 313.042	0.1574	0.1642	0.1685
Ca 370.602	1015	1006	1016
Cd 226.502	-0.0414	-0.1507	-0.1234
Co 228.615	0.5759	0.1884	0.4836
Cr 267.716	17.0423	17.1083	17.1470
Cu 324.754	8.7437	9.0563	8.7822
Fe 271.441	13243.8	13160.6	13223.6
K 766.491	404.476	400.943	402.923
Mg 279.078	201.956	200.165	198.649
Mn 257.610	9.4108	9.3606	9.3351
Mo 202.032	0.9875	0.6860	1.4195
Na 330.237	96.7843u	50.6193u	148.926
Ni 231.604	0.4556	1.4687	0.5892
Pb 220.353	10.5449	10.5199	11.6749
Sb 206.834	-1.9750u	0.3164	-0.8154u
Se 196.026	2.1174	2.2411	10.7379
Sn 189.925	14.1245	12.8761	16.7306
Sr 216.596	17.5759	17.4685	17.5207
Ti 334.941	160.800	160.380	160.907
Tl 190.794	1.1767	-2.4532u	4.7328
V 292.401	50.5263	50.6050	51.2123
Zn 206.200	4.7358	4.4197	5.3639

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2715	ppb	0.2981	109.8	-47.4825
Al 308.215	20189.6	ppb	46.5925	0.2	117830
As 188.980	4.2414	ppb	2.1806	51.4	2.0898
B 249.678	-10.4202	ppb	0.2489	2.4	84.9975
Ba 389.178	11.7516	ppb	0.7443	6.3	280.713
Be 313.042	0.1634	ppb	0.0056	3.4	110.086
Ca 370.602	1012	ppb	5.421	0.5	2255
Cd 226.502	-0.1052	ppb	0.0569	54.1	39.3919
Co 228.615	0.4160	ppb	0.2024	48.7	20.6954
Cr 267.716	17.0992	ppb	0.0530	0.3	752.036
Cu 324.754	8.8607	ppb	0.1705	1.9	550.253
Fe 271.441	13209.3	ppb	43.4006	0.3	22468.0
K 766.491	402.781	ppb	1.7709	0.4	20495.0
Mg 279.078	200.257	ppb	1.6557	0.8	438.787
Mn 257.610	9.3688	ppb	0.0385	0.4	2253.53
Mo 202.032	1.0310	ppb	0.3687	35.8	15.3614
Na 330.237	98.7764	ppb	49.1835	49.8	-0.1935
Ni 231.604	0.8378	ppb	0.5504	65.7	4.7905
Pb 220.353	10.9132	ppb	0.6597	6.0	21.0892
Sb 206.834	-0.8247	ppb	1.1457	138.9	1.1226
Se 196.026	5.0321	ppb	4.9418	98.2	1.4139
Sn 189.925	14.5771	ppb	1.9667	13.5	10.0099
Sr 216.596	17.5217	ppb	0.0537	0.3	184.023
Ti 334.941	160.696	ppb	0.2788	0.2	42453.9
Tl 190.794	1.1521	ppb	3.5931	311.9	-0.8882
V 292.401	50.7812	ppb	0.3754	0.7	1433.43
Zn 206.200	4.8398	ppb	0.4896	9.9	0.8635

680-88517-a-10-e (Samp) 3/26/2013, 11:14:46 PM Rack 2, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2364u	-1.9277u	-0.5930u
Al 308.215	46795.2	46626.7	46900.6
As 188.980	14.9722	8.8524	17.6615
B 249.678	-12.2472u	-11.6991u	-12.8251u
Ba 389.178	101.529	102.378	103.329
Be 313.042	0.5555	0.5589	0.5642
Ca 370.602	1456	1454	1455
Cd 226.502	0.0027	-0.5445	-0.3225
Co 228.615	2.5172	1.8103	2.6476
Cr 267.716	56.3181	56.3091	56.5176
Cu 324.754	15.7625	15.6057	15.6890
Fe 271.441	47425.8	47135.4	47529.9
K 766.491	748.696	746.168	750.380
Mg 279.078	689.531	687.645	695.268
Mn 257.610	156.780	156.430	157.009
Mo 202.032	3.6903	4.0908	3.3142
Na 330.237	-26.0521u	-32.5154u	222.584u
Ni 231.604	7.4302	9.4815	7.9495
Pb 220.353	26.6389	24.8280	31.1632
Sb 206.834	-0.9257	-8.8101u	-4.2660u
Se 196.026	15.0695	7.0370	0.7306
Sn 189.925	16.9638	16.6359	13.4255
Sr 216.596	34.0801	34.7026	34.2633
Ti 334.941	474.462	473.869	476.215
Tl 190.794	-0.0001u	9.3342	-1.3838u
V 292.401	136.370	136.346	136.433
Zn 206.200	24.6231	22.0002	22.7219

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9191	ppb	0.8915	97.0	-130.881
Al 308.215	46774.2	ppb	138.165	0.3	272632
As 188.980	13.8287	ppb	4.5145	32.6	7.6796
B 249.678	-12.2571	ppb	0.5631	4.6	35.6236
Ba 389.178	102.412	ppb	0.9007	0.9	2572.27
Be 313.042	0.5595	ppb	0.0044	0.8	886.254
Ca 370.602	1455	ppb	1.352	0.1	913.7
Cd 226.502	-0.2881	ppb	0.2752	95.5	115.886
Co 228.615	2.3250	ppb	0.4505	19.4	50.5335
Cr 267.716	56.3816	ppb	0.1179	0.2	2474.90
Cu 324.754	15.6857	ppb	0.0784	0.5	895.711
Fe 271.441	47363.7	ppb	204.416	0.4	80552.3
K 766.491	748.415	ppb	2.1198	0.3	37905.5
Mg 279.078	690.815	ppb	3.9704	0.6	1456.69
Mn 257.610	156.740	ppb	0.2920	0.2	36290.7
Mo 202.032	3.6984	ppb	0.3884	10.5	31.3540
Na 330.237	54.6722	ppb	145.452	266.0	-15.3610
Ni 231.604	8.2870	ppb	1.0665	12.9	24.9855
Pb 220.353	27.5434	ppb	3.2630	11.8	47.9272
Sb 206.834	-4.6673	ppb	3.9575	84.8	-1.4041
Se 196.026	7.6124	ppb	7.1868	94.4	2.9171
Sn 189.925	15.6751	ppb	1.9551	12.5	10.8628
Sr 216.596	34.3487	ppb	0.3199	0.9	360.408
Ti 334.941	474.848	ppb	1.2198	0.3	125630
Tl 190.794	2.6501	ppb	5.8298	220.0	-1.1781
V 292.401	136.383	ppb	0.0451	0.0	3843.10
Zn 206.200	23.1151	ppb	1.3549	5.9	383226

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88518-a-1-b (Samp) 3/26/2013, 11:20:12 PM Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.0672u	-3.7576u	-2.3678u
Al 308.215	60638.0	60692.2	60735.8
As 188.980	21.2742	21.1692	20.2575
B 249.678	-19.6257u	-18.8533u	-18.5173u
Ba 389.178	244.649	245.584	246.224
Be 313.042	1.4620	1.4714	1.4483
Ca 370.602	8444	8464	8480
Cd 226.502	-0.4133	-0.4006	-0.4386
Co 228.615	17.5602	15.6788	17.1442
Cr 267.716	135.264	136.126	136.183
Cu 324.754	46.8902	47.7532	47.0130
Fe 271.441	98412.0	98812.2	98639.2
K 766.491	20712.0	20761.0	20809.8
Mg 279.078	17197.9	17208.6	17240.6
Mn 257.610	1443.34	1446.77	1446.65
Mo 202.032	2.9965	3.4198	3.0083
Na 330.237	153.139u	-97.9098u	70.0643u
Ni 231.604	43.6110	44.7013	44.7084
Pb 220.353	39.6211	40.2363	36.6156
Sb 206.834	-2.3518	-2.0825	-1.5874
Se 196.026	-0.9195	5.3380	2.4585
Sn 189.925	19.4672	15.8525	18.2359
Sr 216.596	59.3982	59.9622	59.9311
Ti 334.941	3391.61	3415.87	3423.60
Tl 190.794	15.6974	12.0226	10.1843
V 292.401	238.901	239.504	239.636
Zn 206.200	193.588	193.789	193.026

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7308	ppb	0.9018	33.0	-253.696
Al 308.215	60688.7	ppb	48.9587	0.1	353655
As 188.980	20.9003	ppb	0.5591	2.7	11.5952
B 249.678	-18.9988	ppb	0.5683	3.0	-76.0633
Ba 389.178	245.486	ppb	0.7917	0.3	6228.44
Be 313.042	1.4606	ppb	0.0116	0.8	2652.13
Ca 370.602	8463	ppb	17.87	0.2	20334
Cd 226.502	-0.4175	ppb	0.0194	4.6	236.358
Co 228.615	16.7944	ppb	0.9883	5.9	298.960
Cr 267.716	135.858	ppb	0.5149	0.4	5965.05
Cu 324.754	47.2188	ppb	0.4669	1.0	2463.35
Fe 271.441	98621.2	ppb	200.705	0.2	167725
K 766.491	20760.9	ppb	48.9209	0.2	1045991
Mg 279.078	17215.7	ppb	22.2147	0.1	35867.4
Mn 257.610	1445.59	ppb	1.9468	0.1	333361
Mo 202.032	3.1415	ppb	0.2410	7.7	25.1351
Na 330.237	41.7644	ppb	127.895	306.2	-56.1873
Ni 231.604	44.3403	ppb	0.6315	1.4	120.337
Pb 220.353	38.8243	ppb	1.9374	5.0	64.9544
Sb 206.834	-2.0072	ppb	0.3877	19.3	2.9221
Se 196.026	2.2923	ppb	3.1320	136.6	0.9146
Sn 189.925	17.8518	ppb	1.8377	10.3	12.5562
Sr 216.596	59.7638	ppb	0.3170	0.5	627.056
Ti 334.941	3410.36	ppb	16.6885	0.5	902853
Tl 190.794	12.6347	ppb	2.8071	22.2	2.6293
V 292.401	239.347	ppb	0.3920	0.2	6783.21
Zn 206.200	193.467	ppb	0.3954	0.2	304.501

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Cont Calib Verif (CCV) 3/26/2013, 11:25:38 PM Rack 2, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	498.074	498.576	502.078
Al 308.215	4959.50	4918.31	4947.87
As 188.980	457.611	448.056	464.846
B 249.678	2468.35	2469.00	2499.82
Ba 389.178	4953.79	4915.19	4946.02
Be 313.042	490.164	486.530	488.923
Ca 370.602	4899	4852	4878
Cd 226.502	480.587	476.674	478.425
Co 228.615	495.503	491.609	493.401
Cr 267.716	4730.65	4693.68	4717.28
Cu 324.754	4812.32	4748.85	4839.02
Fe 271.441	4954.33	4910.83	4934.63
K 766.491	9823.09	10153.7	9859.98
Mg 279.078	4874.90	4834.61	4853.52
Mn 257.610	4931.99	4885.36	4898.00
Mo 202.032	476.208	473.505	476.622
Na 330.237	7197.63	7155.80	7417.49
Ni 231.604	2459.97	2442.87	2447.90
Pb 220.353	481.909	477.761	478.710
Sb 206.834	924.672	904.834	910.576
Se 196.026	4867.98	4823.41	4839.78
Sn 189.925	4937.23	4916.43	4877.43
Sr 216.596	2397.19	2379.14	2392.13
Ti 334.941	482.746	479.281	482.208
Tl 190.794	4848.61	4820.84	4828.19
V 292.401	4917.51	4880.77	4901.29
Zn 206.200	2432.18	2421.20	2428.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.576	ppb	2.1815	0.4	35028.4	99.91523
Al 308.215	4941.89	ppb	21.2339	0.4	29018.6	98.83781
As 188.980	456.838	ppb	8.4214	1.8	282.163	91.36752
B 249.678	2479.06	ppb	17.9812	0.7	23592.8	99.16226
Ba 389.178	4938.33	ppb	20.4197	0.4	121940	98.76669
Be 313.042	488.539	ppb	1.8471	0.4	958513	97.70787
Ca 370.602	4876	ppb	23.72	0.5	15941	97.52794
Cd 226.502	478.562	ppb	1.9600	0.4	18013.5	95.71243
Co 228.615	493.504	ppb	1.9492	0.4	5818.86	98.70084
Cr 267.716	4713.87	ppb	18.7223	0.4	205768	94.27734
Cu 324.754	4800.07	ppb	46.3171	1.0	236599	96.00131
Fe 271.441	4933.27	ppb	21.7805	0.4	8513.75	98.66531
K 766.491	9945.59	ppb	181.164	1.8	501192	99.45586
Mg 279.078	4854.34	ppb	20.1568	0.4	10060.4	97.08682
Mn 257.610	4905.12	ppb	24.1199	0.5	1129816	98.10232
Mo 202.032	475.445	ppb	1.6931	0.4	3155.67	95.08902
Na 330.237	7256.97	ppb	140.574	1.9	351.005	96.75964
Ni 231.604	2450.25	ppb	8.7896	0.4	6410.62	98.00988
Pb 220.353	479.460	ppb	2.1736	0.5	795.240	95.89201
Sb 206.834	913.361	ppb	10.2078	1.1	895.838	91.33607
Se 196.026	4843.72	ppb	22.5474	0.5	2381.77	96.87441
Sn 189.925	4910.36	ppb	30.3599	0.6	3815.47	98.20724
Sr 216.596	2389.49	ppb	9.3096	0.4	23235.6	95.57942
Ti 334.941	481.412	ppb	1.8647	0.4	127378	96.28236
Tl 190.794	4832.55	ppb	14.3905	0.3	3315.02	96.65098
V 292.401	4899.86	ppb	18.4112	0.4	137428	97.99711
Zn 206.200	2427.15	ppb	5.5480	0.2	3783.65	97.08598

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Cont Calib Blank (CCB) 3/26/2013, 11:31:04 PM Rack 2, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0476u	-0.5399u	0.0372
Al 308.215	-5.3652u	-3.7005u	-4.4210u
As 188.980	4.9404	5.9612	-0.3565u
B 249.678	41.4708	38.0412	33.2707
Ba 389.178	-0.3988u	0.2165	0.4509
Be 313.042	-0.0180u	-0.0124u	-0.0161u
Ca 370.602	2.088	7.254	-0.6786u
Cd 226.502	-0.1576u	-0.0669u	0.0880
Co 228.615	0.7966	0.6078	-0.2485u
Cr 267.716	0.0654	-0.2595u	-0.0776u
Cu 324.754	0.0932	0.4188	0.6284
Fe 271.441	-0.7801u	-1.4482u	4.7505
K 766.491	0.1909	0.0934	0.3641
Mg 279.078	-1.4889u	-0.4349u	-3.9698u
Mn 257.610	1.9419	2.0138	1.9943
Mo 202.032	0.3159	1.0349	0.9315
Na 330.237	83.7860	172.726	165.588
Ni 231.604	-0.7664u	-0.5439u	-1.9760u
Pb 220.353	1.5005	-0.3990u	1.5276
Sb 206.834	4.4306	1.0818	4.8125
Se 196.026	6.7803	-2.6148u	-0.2153u
Sn 189.925	1.1908	-0.0107u	3.7302
Sr 216.596	-0.3290u	-0.3143u	-0.0086u
Ti 334.941	0.1753	0.1784	0.1171
Tl 190.794	2.7187	5.1637	8.7879
V 292.401	-0.1644u	0.1247	0.2993
Zn 206.200	-0.0148u	-0.4784u	-0.3954u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1834	ppb	0.3116	169.9	-79.1031	-0.18342
Al 308.215	-4.4956	ppb	0.8348	18.6	239.320	-4.49556
As 188.980	3.5150	ppb	3.3914	96.5	1.7658	3.51502
B 249.678	37.5942	ppb	4.1183	11.0	550.633	37.59424
Ba 389.178	0.0895	ppb	0.4388	490.1	-27.8172	0.08954
Be 313.042	-0.0155	ppb	0.0028	18.3	-241.187	-0.01551
Ca 370.602	2.888	ppb	4.026	139.4	3.368	2.88797
Cd 226.502	-0.0455	ppb	0.1242	272.8	9.3871	-0.04553
Co 228.615	0.3853	ppb	0.5570	144.6	16.3832	0.38527
Cr 267.716	-0.0906	ppb	0.1628	179.7	-1.2910	-0.09060
Cu 324.754	0.3801	ppb	0.2697	71.0	129.018	0.38011
Fe 271.441	0.8407	ppb	3.4024	404.7	5.1268	0.84074
K 766.491	0.2161	ppb	0.1371	63.4	216.701	0.21612
Mg 279.078	-1.9645	ppb	1.8148	92.4	21.2142	-1.96452
Mn 257.610	1.9833	ppb	0.0372	1.9	515.499	1.98331
Mo 202.032	0.7608	ppb	0.3887	51.1	14.2594	0.76079
Na 330.237	140.700	ppb	49.4182	35.1	7.2558	140.70015
Ni 231.604	-1.0954	ppb	0.7707	70.4	-0.5450	-1.09541
Pb 220.353	0.8763	ppb	1.1046	126.0	4.9665	0.87635
Sb 206.834	3.4416	ppb	2.0526	59.6	4.6657	3.44164
Se 196.026	1.3167	ppb	4.8813	370.7	-0.4915	1.31674
Sn 189.925	1.6368	ppb	1.9099	116.7	-0.0486	1.63677
Sr 216.596	-0.2173	ppb	0.1809	83.3	6.2805	-0.21729
Ti 334.941	0.1569	ppb	0.0345	22.0	-50.3947	0.15692
Tl 190.794	5.5568	ppb	3.0537	55.0	2.5918	5.55677
V 292.401	0.0865	ppb	0.2342	270.7	6.2216	0.08651
Zn 206.200	-0.2962	ppb	0.2472	83.5	1.8843	-0.29620

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4578u	-1.4760u	-0.5512u
Al 308.215	37730.9	37286.3	37106.9
As 188.980	12.6753	14.5828	5.5500
B 249.678	-0.2485u	-2.7374u	-3.9508u
Ba 389.178	45.2367	45.0348	45.0264
Be 313.042	0.7154	0.7087	0.7045
Ca 370.602	3818	3804	3788
Cd 226.502	-0.4341	-0.6451	-0.5035
Co 228.615	2.4851	3.5526	3.4792
Cr 267.716	87.8230	86.7660	86.5226
Cu 324.754	35.1826	35.4277	34.7665
Fe 271.441	99164.1	98198.1	97593.6
K 766.491	950.268	945.956	943.825
Mg 279.078	976.786	968.022	964.886
Mn 257.610	227.903	225.374	224.152
Mo 202.032	4.3806	4.1039	3.8915
Na 330.237	-132.832u	87.2211u	-133.131u
Ni 231.604	10.5967	10.0972	9.1929
Pb 220.353	42.2056	42.1792	43.5508
Sb 206.834	1.5730	-4.6852u	7.1173
Se 196.026	-0.0442	-9.8013u	-5.9994u
Sn 189.925	15.7952	15.4400	15.4462
Sr 216.596	14.2062	13.6592	14.0699
Ti 334.941	631.510	623.990	621.850
Tl 190.794	11.5063	4.5839u	8.4309
V 292.401	280.358	277.684	276.367
Zn 206.200	68.5779	66.9175	65.0803

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8283	ppb	0.5629	68.0	-122.733
Al 308.215	37374.7	ppb	321.212	0.9	217896
As 188.980	10.9360	ppb	4.7609	43.5	5.3925
B 249.678	-2.3122	ppb	1.8874	81.6	81.7183
Ba 389.178	45.0993	ppb	0.1190	0.3	1234.98
Be 313.042	0.7095	ppb	0.0055	0.8	1174.36
Ca 370.602	3803	ppb	15.22	0.4	4412
Cd 226.502	-0.5276	ppb	0.1076	20.4	231.238
Co 228.615	3.1723	ppb	0.5963	18.8	62.9461
Cr 267.716	87.0372	ppb	0.6913	0.8	3823.34
Cu 324.754	35.1256	ppb	0.3343	1.0	1867.02
Fe 271.441	98318.6	ppb	792.169	0.8	167208
K 766.491	946.683	ppb	3.2826	0.3	47892.9
Mg 279.078	969.898	ppb	6.1679	0.6	2048.85
Mn 257.610	225.809	ppb	1.9130	0.8	52338.5
Mo 202.032	4.1253	ppb	0.2452	5.9	31.6141
Na 330.237	-59.5806	ppb	127.134	213.4	-38.0598
Ni 231.604	9.9623	ppb	0.7115	7.1	30.4120
Pb 220.353	42.6452	ppb	0.7844	1.8	72.9690
Sb 206.834	1.3350	ppb	5.9049	442.3	5.5603
Se 196.026	-5.2816	ppb	4.9180	93.1	-3.1102
Sn 189.925	15.5605	ppb	0.2033	1.3	10.7735
Sr 216.596	13.9785	ppb	0.2848	2.0	180.966
Ti 334.941	625.784	ppb	5.0737	0.8	165595
Tl 190.794	8.1737	ppb	3.4683	42.4	0.8050
V 292.401	278.136	ppb	2.0340	0.7	7830.75
Zn 206.200	66.8586	ppb	1.7495	2.6	106.640

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2246u	-0.6727u	-1.2643u
Al 308.215	45869.7	45651.4	45778.0
As 188.980	30.6396	34.4846	28.8947
B 249.678	-6.4720u	-7.3887u	-7.5605u
Ba 389.178	116.040	116.660	116.724
Be 313.042	1.2219	1.2147	1.2248
Ca 370.602	6450	6434	6454
Cd 226.502	-0.3503	-0.3125	-0.2612
Co 228.615	6.5918	6.3109	6.3502
Cr 267.716	91.6090	91.3110	91.4459
Cu 324.754	61.3018	61.1624	62.0446
Fe 271.441	101105	100871	101196
K 766.491	2199.49	2198.49	2212.94
Mg 279.078	2329.25	2323.88	2325.29
Mn 257.610	386.589	385.688	387.143
Mo 202.032	4.3853	5.4417	4.1388
Na 330.237	-223.153u	-46.5601u	64.9403u
Ni 231.604	20.6241	21.4240	20.7879
Pb 220.353	217.397	226.901	225.723
Sb 206.834	-6.5633u	2.0320	5.0459
Se 196.026	-4.1708u	-0.7452	11.1102
Sn 189.925	27.8521	19.7600	27.5744
Sr 216.596	37.7425	37.2669	37.1944
Ti 334.941	891.180	888.497	890.769
Tl 190.794	3.0255u	1.5255u	3.3086u
V 292.401	272.029	270.938	272.867
Zn 206.200	137.353	134.805	137.182

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0539	ppb	0.3307	31.4	-138.944
Al 308.215	45766.4	ppb	109.635	0.2	266761
As 188.980	31.3396	ppb	2.8599	9.1	18.0134
B 249.678	-7.1404	ppb	0.5852	8.2	33.5785
Ba 389.178	116.475	ppb	0.3774	0.3	3005.22
Be 313.042	1.2205	ppb	0.0052	0.4	2178.95
Ca 370.602	6446	ppb	10.39	0.2	12954
Cd 226.502	-0.3080	ppb	0.0447	14.5	246.188
Co 228.615	6.4177	ppb	0.1521	2.4	108.171
Cr 267.716	91.4553	ppb	0.1492	0.2	4018.03
Cu 324.754	61.5029	ppb	0.4743	0.8	3167.63
Fe 271.441	101057	ppb	167.779	0.2	171866
K 766.491	2203.64	ppb	8.0679	0.4	111209
Mg 279.078	2326.14	ppb	2.7826	0.1	4869.77
Mn 257.610	386.473	ppb	0.7345	0.2	89356.7
Mo 202.032	4.6553	ppb	0.6921	14.9	35.0161
Na 330.237	-68.2576	ppb	145.267	212.8	-41.9706
Ni 231.604	20.9453	ppb	0.4225	2.0	59.1956
Pb 220.353	223.340	ppb	5.1807	2.3	371.120
Sb 206.834	0.1715	ppb	6.0240	3511.8	4.5721
Se 196.026	2.0647	ppb	8.0187	388.4	0.5573
Sn 189.925	25.0622	ppb	4.5939	18.3	18.1601
Sr 216.596	37.4013	ppb	0.2977	0.8	410.213
Ti 334.941	890.149	ppb	1.4452	0.2	235589
Tl 190.794	2.6199	ppb	0.9582	36.6	-3.2685
V 292.401	271.945	ppb	0.9673	0.4	7660.55
Zn 206.200	136.447	ppb	1.4243	1.0	215.460

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1149	-0.1506u	-0.5286u
Al 308.215	149539	149314	149741
As 188.980	3.6997	6.0464	17.9493
B 249.678	-3.8715u	-1.2739u	-1.9307u
Ba 389.178	275.814	273.857	276.225
Be 313.042	2.2864	2.2769	2.2960
Ca 370.602	4908	4904	4904
Cd 226.502	-1.0822	-0.7283	-0.6878
Co 228.615	9.8299	9.8226	10.6513
Cr 267.716	145.953	144.953	145.284
Cu 324.754	69.6463	67.9942	69.0838
Fe 271.441	165426	165161	165590
K 766.491	8228.80	8228.47	8266.62
Mg 279.078	5420.06	5405.79	5418.99
Mn 257.610	445.307	444.113	445.096
Mo 202.032	2.9443	2.4650	4.0744
Na 330.237	333.215u	95.1693u	71.6123u
Ni 231.604	40.5998	36.8359	37.3561
Pb 220.353	79.7509	84.3745	81.6732
Sb 206.834	-5.7378u	-0.1835	-4.2870
Se 196.026	-1.2446	-1.9728	-2.8422u
Sn 189.925	18.9112	15.2431	20.2478
Sr 216.596	40.7988	41.4494	40.6647
Ti 334.941	3031.42	3022.41	3029.72
Tl 190.794	17.1544	8.7899u	11.4731
V 292.401	415.029	415.057	414.529
Zn 206.200	139.681	145.815	144.276

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1881	ppb	0.3233	171.9	-76.8839
Al 308.215	149531	ppb	213.980	0.1	870987
As 188.980	9.2318	ppb	7.6402	82.8	3.6667
B 249.678	-2.3587	ppb	1.3506	57.3	18.4005
Ba 389.178	275.299	ppb	1.2656	0.5	7032.61
Be 313.042	2.2864	ppb	0.0096	0.4	4274.57
Ca 370.602	4906	ppb	2.218	0.0	2897
Cd 226.502	-0.8327	ppb	0.2170	26.1	383.488
Co 228.615	10.1013	ppb	0.4764	4.7	207.714
Cr 267.716	145.397	ppb	0.5094	0.4	6390.43
Cu 324.754	68.9081	ppb	0.8399	1.2	3549.75
Fe 271.441	165392	ppb	216.385	0.1	281276
K 766.491	8241.30	ppb	21.9312	0.3	415343
Mg 279.078	5414.95	ppb	7.9511	0.1	11284.6
Mn 257.610	444.839	ppb	0.6373	0.1	102991
Mo 202.032	3.1612	ppb	0.8264	26.1	21.9135
Na 330.237	166.665	ppb	144.716	86.8	-66.3197
Ni 231.604	38.2639	ppb	2.0395	5.3	105.852
Pb 220.353	81.9329	ppb	2.3227	2.8	134.540
Sb 206.834	-3.4028	ppb	2.8808	84.7	3.1337
Se 196.026	-2.0199	ppb	0.7998	39.6	-1.0633
Sn 189.925	18.1340	ppb	2.5913	14.3	12.7729
Sr 216.596	40.9710	ppb	0.4197	1.0	468.396
Ti 334.941	3027.85	ppb	4.7856	0.2	801549
Tl 190.794	12.4725	ppb	4.2709	34.2	1.2334
V 292.401	414.872	ppb	0.2973	0.1	11712.4
Zn 206.200	143.257	ppb	3.1913	2.2	225.942

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0410u	-1.5009u	-1.7224u
Al 308.215	130399	130478	130063
As 188.980	4.3508	5.4580	7.9893
B 249.678	-5.7867u	-8.3095u	-6.0498u
Ba 389.178	221.664	222.070	219.038
Be 313.042	2.1170	2.1110	2.1103
Ca 370.602	4010	4020	4018
Cd 226.502	-0.3528	-0.2046	-0.1820
Co 228.615	9.3803	9.3508	8.6428
Cr 267.716	108.227	108.778	108.106
Cu 324.754	55.1088	56.0808	56.3650
Fe 271.441	109961	110145	109658
K 766.491	5514.66	5531.61	5517.23
Mg 279.078	3960.11	3948.87	3950.45
Mn 257.610	305.231	306.046	304.605
Mo 202.032	2.6967	3.2924	1.8808
Na 330.237	19.4146u	267.700u	327.140u
Ni 231.604	34.7272	32.1856	32.4616
Pb 220.353	76.7089	76.7764	79.5760
Sb 206.834	6.8084	9.8601	-1.9588
Se 196.026	4.8701	-1.8125u	-5.8362u
Sn 189.925	16.2406	20.8528	22.1908
Sr 216.596	33.9390	34.0021	34.5390
Ti 334.941	2471.47	2479.26	2466.81
Tl 190.794	6.0594	3.0376u	-3.9677u
V 292.401	363.617	365.812	364.263
Zn 206.200	106.792	105.768	102.524

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4214	ppb	0.3476	24.5	-164.119
Al 308.215	130313	ppb	220.227	0.2	759082
As 188.980	5.9327	ppb	1.8651	31.4	2.1802
B 249.678	-6.7153	ppb	1.3869	20.7	29.2795
Ba 389.178	220.924	ppb	1.6460	0.7	5602.30
Be 313.042	2.1128	ppb	0.0037	0.2	3934.61
Ca 370.602	4016	ppb	5.136	0.1	4506
Cd 226.502	-0.2465	ppb	0.0927	37.6	270.164
Co 228.615	9.1246	ppb	0.4176	4.6	182.891
Cr 267.716	108.370	ppb	0.3580	0.3	4760.84
Cu 324.754	55.8515	ppb	0.6587	1.2	2890.76
Fe 271.441	109921	ppb	245.724	0.2	186941
K 766.491	5521.17	ppb	9.1396	0.2	278322
Mg 279.078	3953.14	ppb	6.0848	0.2	8237.24
Mn 257.610	305.294	ppb	0.7224	0.2	70693.0
Mo 202.032	2.6233	ppb	0.7086	27.0	20.9653
Na 330.237	204.752	ppb	163.235	79.7	-42.9901
Ni 231.604	33.1248	ppb	1.3946	4.2	91.2628
Pb 220.353	77.6871	ppb	1.6361	2.1	128.154
Sb 206.834	4.9032	ppb	6.1354	125.1	9.3638
Se 196.026	-0.9262	ppb	5.4079	583.9	-0.8818
Sn 189.925	19.7614	ppb	3.1217	15.8	14.0387
Sr 216.596	34.1600	ppb	0.3297	1.0	381.568
Ti 334.941	2472.51	ppb	6.2913	0.3	654515
Tl 190.794	1.7098	ppb	5.1437	300.8	-4.0884
V 292.401	364.564	ppb	1.1280	0.3	10290.7
Zn 206.200	105.028	ppb	2.2279	2.1	166.269

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1851u	-1.3909u	-0.7825u
Al 308.215	42770.3	42698.6	42839.3
As 188.980	12.6927	10.1074	20.3930
B 249.678	-19.2795u	-19.1480u	-21.1280u
Ba 389.178	61.1093	60.8599	60.7562
Be 313.042	1.3045	1.3030	1.3028
Ca 370.602	3761	3773	3784
Cd 226.502	-0.6580	-0.2653	-0.8230
Co 228.615	3.3052	2.7419	3.5954
Cr 267.716	159.761	159.124	159.282
Cu 324.754	35.0688	35.9354	37.3846
Fe 271.441	116995	116832	117061
K 766.491	697.473	697.605	700.718
Mg 279.078	730.908	722.116	726.457
Mn 257.610	493.964	492.688	493.763
Mo 202.032	3.5358	3.8228	4.1298
Na 330.237	281.887u	315.702u	-18.1808u
Ni 231.604	6.4023	7.7395	7.9719
Pb 220.353	60.6526	59.7803	60.1927
Sb 206.834	1.7609	-0.1957	1.0052
Se 196.026	-4.4706u	2.7892	-0.2854
Sn 189.925	18.4390	18.9872	15.3212
Sr 216.596	12.3772	10.7639	11.6968
Ti 334.941	853.284	852.088	849.394
Tl 190.794	7.7402	3.6093u	2.7039u
V 292.401	347.022	347.453	348.196
Zn 206.200	46.6169	47.4393	46.2341

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1195	ppb	0.3095	27.6	-141.628
Al 308.215	42769.4	ppb	70.3129	0.2	249308
As 188.980	14.3977	ppb	5.3506	37.2	7.3455
B 249.678	-19.8518	ppb	1.1071	5.6	-101.324
Ba 389.178	60.9085	ppb	0.1815	0.3	1652.87
Be 313.042	1.3035	ppb	0.0009	0.1	2337.69
Ca 370.602	3773	ppb	11.49	0.3	2799
Cd 226.502	-0.5821	ppb	0.2865	49.2	274.653
Co 228.615	3.2142	ppb	0.4340	13.5	69.2463
Cr 267.716	159.389	ppb	0.3319	0.2	6986.85
Cu 324.754	36.1296	ppb	1.1700	3.2	1921.23
Fe 271.441	116963	ppb	117.572	0.1	198915
K 766.491	698.598	ppb	1.8365	0.3	35396.1
Mg 279.078	726.494	ppb	4.3960	0.6	1539.27
Mn 257.610	493.472	ppb	0.6862	0.1	114034
Mo 202.032	3.8295	ppb	0.2970	7.8	28.6797
Na 330.237	193.136	ppb	183.785	95.2	-32.2777
Ni 231.604	7.3712	ppb	0.8472	11.5	24.0210
Pb 220.353	60.2085	ppb	0.4364	0.7	101.807
Sb 206.834	0.8568	ppb	0.9867	115.2	6.1869
Se 196.026	-0.6556	ppb	3.6440	555.8	-0.6618
Sn 189.925	17.5825	ppb	1.9774	11.2	12.3449
Sr 216.596	11.6126	ppb	0.8099	7.0	164.826
Ti 334.941	851.589	ppb	1.9925	0.2	225375
Tl 190.794	4.6845	ppb	2.6848	57.3	-2.4912
V 292.401	347.557	ppb	0.5941	0.2	9782.37
Zn 206.200	46.7634	ppb	0.6158	1.3	74.9848

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680-88518-a-7-b (Samp) 3/27/2013, 12:03:37 AM Rack 2, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9093u	-1.1296u	-0.6704u
Al 308.215	26620.8	26549.4	26671.7
As 188.980	14.0567	20.9544	18.3276
B 249.678	-16.7081u	-17.7460u	-18.1483u
Ba 389.178	43.8623	43.9039	43.6133
Be 313.042	0.5427	0.5290	0.5221
Ca 370.602	1939	1945	1958
Cd 226.502	-0.3902	-0.3217	-0.2114
Co 228.615	2.5014	2.1181	3.4197
Cr 267.716	63.1532	63.3364	62.9043
Cu 324.754	20.0779	20.2788	19.8658
Fe 271.441	60419.8	60184.7	60424.2
K 766.491	725.696	726.255	726.939
Mg 279.078	765.105	755.398	768.188
Mn 257.610	251.769	251.363	252.147
Mo 202.032	3.3004	3.7668	3.9914
Na 330.237	244.628u	75.3494u	-30.4152u
Ni 231.604	5.5012	5.1700	3.8936
Pb 220.353	33.3839	25.0630	29.7002
Sb 206.834	2.3686	-4.5555u	-0.2232
Se 196.026	12.3405	5.5955	1.7121
Sn 189.925	15.0531	16.0678	15.3379
Sr 216.596	8.0882	7.9841	7.4128
Ti 334.941	472.023	470.774	470.726
Tl 190.794	7.1423	4.5326	1.8879u
V 292.401	177.847	177.384	177.868
Zn 206.200	35.5777	34.1079	34.8902

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9031	ppb	0.2297	25.4	-128.115
Al 308.215	26614.0	ppb	61.4427	0.2	155238
As 188.980	17.7796	ppb	3.4814	19.6	9.9971
B 249.678	-17.5341	ppb	0.7431	4.2	-26.3499
Ba 389.178	43.7932	ppb	0.1571	0.4	1144.72
Be 313.042	0.5313	ppb	0.0105	2.0	827.099
Ca 370.602	1947	ppb	9.946	0.5	1451
Cd 226.502	-0.3078	ppb	0.0902	29.3	146.792
Co 228.615	2.6797	ppb	0.6689	25.0	54.2055
Cr 267.716	63.1313	ppb	0.2169	0.3	2772.17
Cu 324.754	20.0742	ppb	0.2065	1.0	1115.32
Fe 271.441	60342.9	ppb	137.047	0.2	102625
K 766.491	726.297	ppb	0.6228	0.1	36791.4
Mg 279.078	762.897	ppb	6.6750	0.9	1613.60
Mn 257.610	251.760	ppb	0.3918	0.2	58210.7
Mo 202.032	3.6862	ppb	0.3525	9.6	30.6089
Na 330.237	96.5207	ppb	138.738	143.7	-17.1545
Ni 231.604	4.8549	ppb	0.8489	17.5	16.2688
Pb 220.353	29.3824	ppb	4.1696	14.2	51.3495
Sb 206.834	-0.8033	ppb	3.4983	435.5	2.5357
Se 196.026	6.5494	ppb	5.3781	82.1	2.4929
Sn 189.925	15.4863	ppb	0.5234	3.4	10.7160
Sr 216.596	7.8284	ppb	0.3636	4.6	106.920
Ti 334.941	471.174	ppb	0.7350	0.2	124658
Tl 190.794	4.5209	ppb	2.6272	58.1	-0.4299
V 292.401	177.700	ppb	0.2735	0.2	5004.77
Zn 206.200	34.8586	ppb	0.7354	2.1	56.6669

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680-88518-a-8-b (Samp) 3/27/2013, 12:09:02 AM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1546u	-1.3120u	-1.7355u
Al 308.215	91392.9	91452.1	91439.8
As 188.980	22.6159	21.1950	18.5026
B 249.678	-22.1413u	-21.9979u	-21.6435u
Ba 389.178	271.364	272.404	271.700
Be 313.042	1.3823	1.3848	1.3794
Ca 370.602	56550	56475	56390
Cd 226.502	-0.5082	-0.5351	-0.4345
Co 228.615	12.2194	12.3117	12.2591
Cr 267.716	147.014	146.397	146.160
Cu 324.754	69.5084	69.0945	69.1527
Fe 271.441	142264	142228	142201
K 766.491	11800.3	11860.9	11795.6
Mg 279.078	9168.90	9177.52	9156.61
Mn 257.610	906.187	906.497	906.300
Mo 202.032	5.1601	4.8479	5.1744
Na 330.237	491.068u	612.317u	519.632u
Ni 231.604	32.2367	34.1672	37.5293
Pb 220.353	47.1104	46.3082	41.3542
Sb 206.834	-4.5150	11.2011	-2.4579
Se 196.026	-9.1509u	1.7908	-0.4721
Sn 189.925	17.1808	21.9461	8.6052
Sr 216.596	103.486	102.373	101.780
Ti 334.941	1751.91	1749.45	1741.71
Tl 190.794	10.6068	5.3312u	11.5918
V 292.401	355.664	356.671	355.746
Zn 206.200	140.414	138.269	138.970

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4007	ppb	0.3004	21.4	-163.646
Al 308.215	91428.2	ppb	31.2436	0.0	532652
As 188.980	20.7712	ppb	2.0891	10.1	11.4791
B 249.678	-21.9275	ppb	0.2562	1.2	-144.584
Ba 389.178	271.822	ppb	0.5308	0.2	6922.23
Be 313.042	1.3821	ppb	0.0027	0.2	2514.09
Ca 370.602	56471	ppb	80.22	0.1	174653
Cd 226.502	-0.4926	ppb	0.0521	10.6	339.758
Co 228.615	12.2634	ppb	0.0463	0.4	199.164
Cr 267.716	146.523	ppb	0.4408	0.3	6434.19
Cu 324.754	69.2519	ppb	0.2240	0.3	3560.60
Fe 271.441	142231	ppb	31.5456	0.0	241888
K 766.491	11818.9	ppb	36.4449	0.3	595559
Mg 279.078	9167.68	ppb	10.5094	0.1	19108.3
Mn 257.610	906.328	ppb	0.1572	0.0	209237
Mo 202.032	5.0608	ppb	0.1846	3.6	35.6812
Na 330.237	541.006	ppb	63.3874	11.7	-29.8092
Ni 231.604	34.6444	ppb	2.6784	7.7	95.8871
Pb 220.353	44.9243	ppb	3.1177	6.9	75.2708
Sb 206.834	1.4094	ppb	8.5420	606.1	7.1111
Se 196.026	-2.6107	ppb	5.7758	221.2	-1.3754
Sn 189.925	15.9107	ppb	6.7605	42.5	11.0656
Sr 216.596	102.546	ppb	0.8657	0.8	1064.46
Ti 334.941	1747.69	ppb	5.3242	0.3	462650
Tl 190.794	9.1766	ppb	3.3665	36.7	-0.7006
V 292.401	356.027	ppb	0.5591	0.2	10036.1
Zn 206.200	139.218	ppb	1.0939	0.8	219.621

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680-88527-b-5-d (Samp) 3/27/2013, 12:14:28 AM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0850u	-1.2278u	-1.5277u
Al 308.215	107595	107744	107769
As 188.980	214.167	214.112	204.399
B 249.678	-12.8561u	-11.5469u	-11.7743u
Ba 389.178	2101.29	2104.75	2098.44
Be 313.042	14.3973	14.3884	14.3558
Ca 370.602	107723	107470	107496
Cd 226.502	15.2826	16.0833	15.6087
Co 228.615	131.150	130.713	131.370
Cr 267.716	403.813	402.813	403.314
Cu 324.754	547.119	559.857	547.359
Fe 271.441	407278	408180	407699
K 766.491	9124.32	9151.17	9076.76
Mg 279.078	27263.8	27234.7	27241.3
Mn 257.610	18496.9	18584.9	18499.7
Mo 202.032	13.9871	14.3511	15.3960
Na 330.237	589.920u	511.346u	391.906u
Ni 231.604	119.121	123.227	122.210
Pb 220.353	1937.93	1939.72	1938.37
Sb 206.834	5.7322	-4.2623	2.0318
Se 196.026	-5.4149	7.8861	11.1123
Sn 189.925	84.9775	83.5722	82.7035
Sr 216.596	272.485	270.153	269.901
Ti 334.941	1098.40	1094.23	1094.53
Tl 190.794	83.3033	65.7422	72.3003
V 292.401	611.213	612.451	609.847
Zn 206.200	3298.89	3305.01	3307.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2802	ppb	0.2259	17.6	-87.0278
Al 308.215	107702	ppb	94.2612	0.1	627413
As 188.980	210.893	ppb	5.6238	2.7	126.870
B 249.678	-12.0591	ppb	0.6995	5.8	-300.342
Ba 389.178	2101.50	ppb	3.1612	0.2	52550.0
Be 313.042	14.3805	ppb	0.0219	0.2	28027.0
Ca 370.602	107563	ppb	139.2	0.1	321233
Cd 226.502	15.6582	ppb	0.4026	2.6	1594.91
Co 228.615	131.078	ppb	0.3347	0.3	1568.67
Cr 267.716	403.314	ppb	0.5000	0.1	17767.0
Cu 324.754	551.445	ppb	7.2862	1.3	27395.5
Fe 271.441	407719	ppb	451.097	0.1	693399
K 766.491	9117.42	ppb	37.6799	0.4	459475
Mg 279.078	27246.6	ppb	15.2655	0.1	56536.4
Mn 257.610	18527.2	ppb	50.0323	0.3	4268386
Mo 202.032	14.5781	ppb	0.7313	5.0	86.2723
Na 330.237	497.724	ppb	99.7075	20.0	-130.113
Ni 231.604	121.519	ppb	2.1384	1.8	328.564
Pb 220.353	1938.67	ppb	0.9310	0.0	3206.57
Sb 206.834	1.1672	ppb	5.0530	432.9	14.8966
Se 196.026	4.5279	ppb	8.7605	193.5	7.9897
Sn 189.925	83.7511	ppb	1.1475	1.4	63.8116
Sr 216.596	270.846	ppb	1.4245	0.5	2805.07
Ti 334.941	1095.72	ppb	2.3235	0.2	290153
Tl 190.794	73.7819	ppb	8.8738	12.0	16.8055
V 292.401	611.170	ppb	1.3026	0.2	17183.2
Zn 206.200	3303.81	ppb	4.4398	0.1	5168.15

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680-88527-b-5-dSD^5 (Samp) 3/27/2013, 12:19:54 AM Rack 2, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0770	-0.0618	-0.3935u
Al 308.215	20120.1	20176.4	20212.4
As 188.980	40.2496	38.3475	34.5437
B 249.678	-14.9917u	-15.4020u	-14.7214u
Ba 389.178	398.509	398.224	400.243
Be 313.042	2.7044	2.7209	2.7023
Ca 370.602	20188	20164	20248
Cd 226.502	2.6907	2.6606	2.9962
Co 228.615	25.1806	25.7288	24.8372
Cr 267.716	76.9169	77.0170	77.3435
Cu 324.754	100.201	101.933	101.644
Fe 271.441	79051.0	79410.2	79498.8
K 766.491	1523.77	1526.26	1520.03
Mg 279.078	5169.85	5184.80	5210.84
Mn 257.610	3607.41	3622.66	3628.54
Mo 202.032	3.0567	3.1869	2.3682
Na 330.237	71.3051u	117.231u	98.6848u
Ni 231.604	22.1511	22.3535	23.8320
Pb 220.353	375.364	371.927	375.873
Sb 206.834	-8.6118u	-4.1445u	0.7266
Se 196.026	-0.5554	-2.9402u	-1.6811
Sn 189.925	17.0066	13.2812	17.5461
Sr 216.596	51.9699	51.5604	51.4419
Ti 334.941	207.840	207.938	208.515
Tl 190.794	10.1395	12.8067	18.6788
V 292.401	116.415	116.411	116.147
Zn 206.200	625.493	634.890	631.893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1261	ppb	0.2418	191.8	-61.4988
Al 308.215	20169.6	ppb	46.4983	0.2	117713
As 188.980	37.7136	ppb	2.9053	7.7	22.2961
B 249.678	-15.0384	ppb	0.3427	2.3	-20.5597
Ba 389.178	398.992	ppb	1.0927	0.3	9955.77
Be 313.042	2.7092	ppb	0.0102	0.4	5109.04
Ca 370.602	20200	ppb	43.32	0.2	60096
Cd 226.502	2.7825	ppb	0.1857	6.7	309.269
Co 228.615	25.2489	ppb	0.4497	1.8	311.655
Cr 267.716	77.0925	ppb	0.2231	0.3	3398.87
Cu 324.754	101.259	ppb	0.9281	0.9	5121.79
Fe 271.441	79320.0	ppb	237.119	0.3	134901
K 766.491	1523.35	ppb	3.1369	0.2	76941.3
Mg 279.078	5188.50	ppb	20.7443	0.4	10785.6
Mn 257.610	3619.53	ppb	10.9078	0.3	833933
Mo 202.032	2.8706	ppb	0.4399	15.3	24.4369
Na 330.237	95.7405	ppb	23.1043	24.1	-25.2485
Ni 231.604	22.7789	ppb	0.9177	4.0	63.5339
Pb 220.353	374.388	ppb	2.1465	0.6	622.100
Sb 206.834	-4.0099	ppb	4.6706	116.5	0.1112
Se 196.026	-1.7256	ppb	1.1930	69.1	-0.6414
Sn 189.925	15.9446	ppb	2.3223	14.6	11.0790
Sr 216.596	51.6574	ppb	0.2770	0.5	542.355
Ti 334.941	208.097	ppb	0.3647	0.2	55031.3
Tl 190.794	13.8750	ppb	4.3687	31.5	1.9398
V 292.401	116.324	ppb	0.1535	0.1	3273.63
Zn 206.200	630.759	ppb	4.8004	0.8	988.595

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680-88527-b-5-dPDS (Samp) 3/27/2013, 12:25:20 AM Rack 2, Tube 48**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	56.0958	56.9103	56.3705
Al 308.215	107188	107304	107285
As 188.980	2644.21	2655.80	2639.24
B 249.678	1143.54	1150.09	1156.59
Ba 389.178	4280.94	4288.51	4287.54
Be 313.042	70.0564	70.1963	70.2080
Ca 370.602	110072	110240	110364
Cd 226.502	69.1550	69.3777	69.0460
Co 228.615	688.804	683.027	676.440
Cr 267.716	604.275	606.524	607.257
Cu 324.754	837.833	829.903	822.562
Fe 271.441	397894	398458	397655
K 766.491	15154.7	15121.2	15061.4
Mg 279.078	32133.8	32269.9	32274.5
Mn 257.610	18527.6	18609.0	18555.0
Mo 202.032	566.396	567.356	569.591
Na 330.237	6025.87	6373.36	6348.27
Ni 231.604	671.944	666.527	673.377
Pb 220.353	2421.87	2440.14	2439.19
Sb 206.834	548.336	544.803	552.552
Se 196.026	2275.22	2286.92	2264.64
Sn 189.925	1212.27	1222.43	1215.09
Sr 216.596	809.481	809.698	814.258
Ti 334.941	2110.66	2111.92	2118.13
Tl 190.794	2244.52	2240.04	2260.65
V 292.401	1153.50	1155.11	1153.86
Zn 206.200	3746.73	3766.97	3748.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.4589	ppb	0.4144	0.7	3955.13
Al 308.215	107259	ppb	62.6967	0.1	624898
As 188.980	2646.41	ppb	8.4963	0.3	1634.04
B 249.678	1150.07	ppb	6.5279	0.6	10679.0
Ba 389.178	4285.66	ppb	4.1211	0.1	106484
Be 313.042	70.1535	ppb	0.0843	0.1	137395
Ca 370.602	110225	ppb	146.6	0.1	331030
Cd 226.502	69.1929	ppb	0.1690	0.2	3583.83
Co 228.615	682.757	ppb	6.1862	0.9	8059.32
Cr 267.716	606.019	ppb	1.5540	0.3	26611.2
Cu 324.754	830.099	ppb	7.6375	0.9	41133.2
Fe 271.441	398002	ppb	412.158	0.1	676963
K 766.491	15112.4	ppb	47.2559	0.3	761460
Mg 279.078	32226.1	ppb	79.9620	0.2	66908.0
Mn 257.610	18563.9	ppb	41.4285	0.2	4276835
Mo 202.032	567.781	ppb	1.6394	0.3	3756.91
Na 330.237	6249.16	ppb	193.789	3.1	158.035
Ni 231.604	670.616	ppb	3.6132	0.5	1764.43
Pb 220.353	2433.73	ppb	10.2870	0.4	4022.68
Sb 206.834	548.564	ppb	3.8797	0.7	520.733
Se 196.026	2275.59	ppb	11.1400	0.5	1124.64
Sn 189.925	1216.59	ppb	5.2452	0.4	944.365
Sr 216.596	811.146	ppb	2.6977	0.3	8038.53
Ti 334.941	2113.57	ppb	3.9997	0.2	559639
Tl 190.794	2248.40	ppb	10.8375	0.5	1511.14
V 292.401	1154.16	ppb	0.8432	0.1	32347.2
Zn 206.200	3754.13	ppb	11.1636	0.3	5871.80

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Cont Calib Verif (CCV) 3/27/2013, 12:30:46 AM Rack 2, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	494.728	505.682	507.030
Al 308.215	4935.75	4997.87	4997.47
As 188.980	462.163	467.465	465.377
B 249.678	2482.02	2528.56	2539.41
Ba 389.178	4919.71	4982.26	4977.97
Be 313.042	487.664	493.248	493.583
Ca 370.602	4859	4919	4942
Cd 226.502	477.404	483.437	482.767
Co 228.615	492.621	498.464	498.734
Cr 267.716	4689.00	4750.33	4766.50
Cu 324.754	4812.31	4927.77	4887.59
Fe 271.441	4928.96	4994.60	4994.89
K 766.491	10210.5	9877.48	9871.11
Mg 279.078	4847.64	4914.66	4902.97
Mn 257.610	4899.79	4965.83	4956.24
Mo 202.032	471.543	479.556	481.661
Na 330.237	7418.49	7325.00	7634.61
Ni 231.604	2441.16	2480.97	2469.10
Pb 220.353	476.794	485.712	481.984
Sb 206.834	917.912	921.234	930.463
Se 196.026	4830.90	4882.32	4894.82
Sn 189.925	4903.87	4983.40	5027.37
Sr 216.596	2374.61	2404.92	2414.35
Ti 334.941	479.089	485.155	486.236
Tl 190.794	4822.91	4876.48	4877.73
V 292.401	4903.43	4951.60	4942.34
Zn 206.200	2416.36	2459.65	2456.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.480	ppb	6.7471	1.3	35232.4	100.49599
Al 308.215	4977.03	ppb	35.7491	0.7	29223.0	99.54063
As 188.980	465.002	ppb	2.6710	0.6	287.214	93.00033
B 249.678	2516.66	ppb	30.4900	1.2	23947.8	100.66654
Ba 389.178	4959.98	ppb	34.9381	0.7	122474	99.19961
Be 313.042	491.498	ppb	3.3253	0.7	964320	98.29970
Ca 370.602	4907	ppb	42.64	0.9	16039	98.13221
Cd 226.502	481.203	ppb	3.3069	0.7	18112.9	96.24058
Co 228.615	496.606	ppb	3.4540	0.7	5855.37	99.32124
Cr 267.716	4735.27	ppb	40.8850	0.9	206702	94.70547
Cu 324.754	4875.89	ppb	58.6086	1.2	240335	97.51776
Fe 271.441	4972.82	ppb	37.9807	0.8	8581.76	99.45632
K 766.491	9986.35	ppb	194.118	1.9	503246	99.86355
Mg 279.078	4888.42	ppb	35.8005	0.7	10130.8	97.76849
Mn 257.610	4940.62	ppb	35.6861	0.7	1137993	98.81240
Mo 202.032	477.586	ppb	5.3387	1.1	3169.82	95.51728
Na 330.237	7459.37	ppb	158.798	2.1	361.297	99.45825
Ni 231.604	2463.74	ppb	20.4390	0.8	6445.91	98.54962
Pb 220.353	481.496	ppb	4.4792	0.9	798.604	96.29930
Sb 206.834	923.203	ppb	6.5029	0.7	905.266	92.32030
Se 196.026	4869.35	ppb	33.8766	0.7	2394.38	97.38700
Sn 189.925	4971.55	ppb	62.5955	1.3	3863.03	99.43098
Sr 216.596	2397.96	ppb	20.7599	0.9	23318.0	95.91841
Ti 334.941	483.493	ppb	3.8521	0.8	127929	96.69868
Tl 190.794	4859.04	ppb	31.2986	0.6	3333.20	97.18079
V 292.401	4932.46	ppb	25.5613	0.5	138343	98.64912
Zn 206.200	2444.30	ppb	24.2369	1.0	3810.39	97.77205

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (CCB) 3/27/2013, 12:36:12 AM Rack 2, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3148	-0.4255u	-1.0282u
Al 308.215	-7.5260u	-3.1481u	-3.6108u
As 188.980	5.3573	-2.7162u	-4.4406u
B 249.678	52.4793	46.1907	41.7410
Ba 389.178	0.9933	-0.3625u	0.2923
Be 313.042	-0.0132u	-0.0104u	-0.0155u
Ca 370.602	0.8720	-2.438u	1.915
Cd 226.502	-0.0738u	-0.1054u	0.0504
Co 228.615	0.0056	0.7915	0.5043
Cr 267.716	-0.3130u	-0.0423u	-0.2238u
Cu 324.754	-0.3336u	-0.2854u	-0.8594u
Fe 271.441	10.3082	3.8738	0.9616
K 766.491	0.0908	0.0773	-0.1440u
Mg 279.078	-0.0983u	-1.4612u	-0.9350u
Mn 257.610	-0.0048u	0.0233	0.0486
Mo 202.032	0.6283	0.1631	0.1111
Na 330.237	-150.968u	51.6951	-42.8135u
Ni 231.604	-1.4273u	-0.8598u	-1.5368u
Pb 220.353	-1.8138u	-2.2475u	1.9806
Sb 206.834	4.5341	5.0245	-3.3567u
Se 196.026	5.1467	-2.8714u	-3.5770u
Sn 189.925	4.0367	-0.9100u	-2.7718u
Sr 216.596	0.5689	-0.6759u	1.0304
Ti 334.941	0.1751	0.2259	0.2349
Tl 190.794	-0.3880u	3.1889	-0.1881u
V 292.401	0.0620	-0.3173u	-0.2954u
Zn 206.200	-0.2042u	-1.3855u	-0.5141u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3796	ppb	0.6727	177.2	-92.9065	-0.37963
Al 308.215	-4.7616	ppb	2.4052	50.5	237.719	-4.76164
As 188.980	-0.5998	ppb	5.2306	872.0	-0.7805	-0.59981
B 249.678	46.8037	ppb	5.3953	11.5	637.566	46.80368
Ba 389.178	0.3077	ppb	0.6780	220.3	-22.4263	0.30771
Be 313.042	-0.0130	ppb	0.0026	19.8	-236.247	-0.01304
Ca 370.602	0.1161	ppb	2.273	1957.4	-5.926	0.11611
Cd 226.502	-0.0429	ppb	0.0824	191.8	9.4883	-0.04294
Co 228.615	0.4338	ppb	0.3977	91.7	16.9680	0.43378
Cr 267.716	-0.1930	ppb	0.1380	71.5	-5.7717	-0.19304
Cu 324.754	-0.4928	ppb	0.3184	64.6	85.9985	-0.49276
Fe 271.441	5.0479	ppb	4.7826	94.7	12.1984	5.04787
K 766.491	0.0081	ppb	0.1319	1637.6	206.220	0.00805
Mg 279.078	-0.8315	ppb	0.6873	82.7	23.6059	-0.83151
Mn 257.610	0.0224	ppb	0.0267	119.5	63.8771	0.02235
Mo 202.032	0.3008	ppb	0.2848	94.7	11.2074	0.30083
Na 330.237	-47.3621	ppb	101.408	214.1	-2.4478	-47.36211
Ni 231.604	-1.2747	ppb	0.3634	28.5	-1.0137	-1.27466
Pb 220.353	-0.6935	ppb	2.3260	335.4	2.3741	-0.69355
Sb 206.834	2.0673	ppb	4.7037	227.5	3.3883	2.06731
Se 196.026	-0.4339	ppb	4.8458	1116.9	-1.3527	-0.43387
Sn 189.925	0.1183	ppb	3.5188	2973.9	-1.2290	0.11832
Sr 216.596	0.3078	ppb	0.8826	286.8	11.4111	0.30778
Ti 334.941	0.2120	ppb	0.0322	15.2	-35.7926	0.21199
Tl 190.794	0.8709	ppb	2.0099	230.8	-0.6252	0.87094
V 292.401	-0.1836	ppb	0.2130	116.0	-1.2820	-0.18357
Zn 206.200	-0.7013	ppb	0.6125	87.3	89.12510	-0.70127

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680-88527-b-5-e ms (Samp) 3/27/2013, 12:41:37 AM Rack 2, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	14.5087	13.9222	14.4667
Al 308.215	130367	130489	129920
As 188.980	288.634	277.211	284.861
B 249.678	223.179	222.674	223.099
Ba 389.178	1949.83	1952.85	1945.77
Be 313.042	66.7701	66.9685	66.8466
Ca 370.602	210244	212240	210817
Cd 226.502	62.4830	62.5881	62.3144
Co 228.615	129.532	130.805	128.730
Cr 267.716	445.707	447.716	445.444
Cu 324.754	636.863	645.919	636.793
Fe 271.441	316434	316592	315410
K 766.491	23196.9	23136.2	23065.0
Mg 279.078	56055.7	56254.5	56058.3
Mn 257.610	14424.8	14422.2	14373.9
Mo 202.032	103.162	102.571	103.654
Na 330.237	6166.60	6304.42	6400.26
Ni 231.604	208.010	213.725	212.453
Pb 220.353	1732.07	1748.09	1748.15
Sb 206.834	16.7808	34.9340	30.0383
Se 196.026	95.7771	90.7231	91.9936
Sn 189.925	265.969	254.913	262.069
Sr 216.596	568.346	572.758	575.380
Ti 334.941	1308.26	1314.50	1313.22
Tl 190.794	83.5736	86.2110	84.3676
V 292.401	547.554	548.325	545.661
Zn 206.200	3206.62	3211.50	3213.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.2992	ppb	0.3271	2.3	978.014
Al 308.215	130259	ppb	299.596	0.2	758772
As 188.980	283.568	ppb	5.8202	2.1	173.621
B 249.678	222.984	ppb	0.2715	0.1	2004.24
Ba 389.178	1949.48	ppb	3.5530	0.2	48739.4
Be 313.042	66.8617	ppb	0.1001	0.1	131074
Ca 370.602	211101	ppb	1028	0.5	670273
Cd 226.502	62.4618	ppb	0.1381	0.2	3131.39
Co 228.615	129.689	ppb	1.0464	0.8	1558.31
Cr 267.716	446.289	ppb	1.2427	0.3	19608.3
Cu 324.754	639.858	ppb	5.2486	0.8	31728.5
Fe 271.441	316146	ppb	641.761	0.2	537668
K 766.491	23132.7	ppb	65.9878	0.3	1165462
Mg 279.078	56122.9	ppb	114.035	0.2	116736
Mn 257.610	14407.0	ppb	28.6533	0.2	3319355
Mo 202.032	103.129	ppb	0.5424	0.5	678.202
Na 330.237	6290.43	ppb	117.459	1.9	195.281
Ni 231.604	211.396	ppb	3.0001	1.4	561.746
Pb 220.353	1742.77	ppb	9.2646	0.5	2881.52
Sb 206.834	27.2510	ppb	9.3920	34.5	36.9567
Se 196.026	92.8312	ppb	2.6291	2.8	49.8696
Sn 189.925	260.984	ppb	5.6069	2.1	201.618
Sr 216.596	572.161	ppb	3.5548	0.6	5711.89
Ti 334.941	1311.99	ppb	3.2966	0.3	347524
Tl 190.794	84.7174	ppb	1.3530	1.6	31.6135
V 292.401	547.180	ppb	1.3711	0.3	15366.5
Zn 206.200	3210.45	ppb	3.4304	0.1	5022.01

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680-88527-b-5-f msd (Samp) 3/27/2013, 12:47:03 AM Rack 2, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.6589	12.9088	13.1343
Al 308.215	137467	137526	137801
As 188.980	312.556	322.840	308.810
B 249.678	207.940	208.934	209.135
Ba 389.178	1838.77	1838.82	1839.50
Be 313.042	79.2788	79.3150	79.4686
Ca 370.602	211358	213199	213549
Cd 226.502	60.8939	61.2912	60.6124
Co 228.615	125.026	123.251	123.822
Cr 267.716	584.058	585.245	585.883
Cu 324.754	542.567	550.765	549.250
Fe 271.441	517925	517279	520302
K 766.491	21377.7	21386.0	21391.4
Mg 279.078	59433.2	59528.2	59586.9
Mn 257.610	13839.7	13817.1	13912.0
Mo 202.032	101.040	100.867	102.041
Na 330.237	6194.94	5859.95	6239.99
Ni 231.604	201.606	195.195	196.682
Pb 220.353	1503.54	1507.24	1503.57
Sb 206.834	21.9805	31.9161	21.5414
Se 196.026	102.264	102.006	94.4709
Sn 189.925	257.679	254.503	254.824
Sr 216.596	485.718	488.673	488.513
Ti 334.941	1295.16	1294.51	1297.99
Tl 190.794	97.6519	91.2081	89.2361
V 292.401	741.064	741.051	744.472
Zn 206.200	3038.30	3058.30	3047.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.9007	ppb	0.2378	1.8	881.301
Al 308.215	137598	ppb	177.864	0.1	801507
As 188.980	314.735	ppb	7.2642	2.3	190.863
B 249.678	208.670	ppb	0.6397	0.3	1679.33
Ba 389.178	1839.03	ppb	0.4071	0.0	46326.8
Be 313.042	79.3541	ppb	0.1008	0.1	155587
Ca 370.602	212702	ppb	1177	0.6	658542
Cd 226.502	60.9325	ppb	0.3410	0.6	3567.82
Co 228.615	124.033	ppb	0.9062	0.7	1484.90
Cr 267.716	585.062	ppb	0.9263	0.2	25706.1
Cu 324.754	547.527	ppb	4.3619	0.8	27235.8
Fe 271.441	518502	ppb	1592.11	0.3	881797
K 766.491	21385.0	ppb	6.8685	0.0	1077428
Mg 279.078	59516.1	ppb	77.5767	0.1	123848
Mn 257.610	13856.3	ppb	49.5571	0.4	3193093
Mo 202.032	101.316	ppb	0.6336	0.6	656.586
Na 330.237	6098.29	ppb	207.637	3.4	126.079
Ni 231.604	197.828	ppb	3.3557	1.7	530.429
Pb 220.353	1504.78	ppb	2.1254	0.1	2488.25
Sb 206.834	25.1460	ppb	5.8672	23.3	40.6759
Se 196.026	99.5803	ppb	4.4268	4.4	54.2289
Sn 189.925	255.669	ppb	1.7482	0.7	197.482
Sr 216.596	487.635	ppb	1.6618	0.3	4963.52
Ti 334.941	1295.89	ppb	1.8530	0.1	343297
Tl 190.794	92.6987	ppb	4.4015	4.7	30.5992
V 292.401	742.196	ppb	1.9714	0.3	20842.9
Zn 206.200	3048.07	ppb	10.0991	0.3	4767.62

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88527-b-7-b (Samp) 3/27/2013, 12:52:28 AM Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	6.0466	7.0376	6.8295
Al 308.215	91943.1	91743.5	86332.4
As 188.980	250.700	252.853	219.534
B 249.678	19.2923u	17.4312u	16.1700u
Ba 389.178	2751.16	2747.78	2591.82
Be 313.042	11.6778	11.6412	10.9687
Ca 370.602	234677	235145	221383
Cd 226.502	151.293	150.701	139.759
Co 228.615	84.4774	84.8269	79.0039
Cr 267.716	306.965	306.424	287.980
Cu 324.754	819.027	837.102	781.819
Fe 271.441	479913	479368	450663
K 766.491	12367.1	12336.7	11714.5
Mg 279.078	38874.2	38802.0	36804.8
Mn 257.610	11617.2	11661.6	10919.6
Mo 202.032	21.7090	21.0917	19.8416
Na 330.237	1253.66u	1288.61u	1454.61u
Ni 231.604	133.232	133.604	125.423
Pb 220.353	23480.4x	23505.4x	22073.0x
Sb 206.834	219.085	203.278	197.495
Se 196.026	-5.3040	5.4954	2.2484
Sn 189.925	9524.55	9529.33	8943.10
Sr 216.596	373.760	374.170	352.269
Ti 334.941	1608.07	1609.71	1514.34
Tl 190.794	47.5385	42.9698	47.5526
V 292.401	363.696	362.942	341.526
Zn 206.200	8239.31	8228.95	7749.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.6379b	ppb	0.5225	7.9	433.436
Al 308.215	90006.3b	ppb	3183.26	3.5	524373
As 188.980	241.029b	ppb	18.6463	7.7	145.913
B 249.678	17.6312b	ppb	1.5707	8.9	-78.5033
Ba 389.178	2696.92b	ppb	91.0366	3.4	67375.5
Be 313.042	11.4292b	ppb	0.3993	3.5	22280.2
Ca 370.602	230402b	ppb	7814	3.4	720969
Cd 226.502	147.251b	ppb	6.4952	4.4	6694.31
Co 228.615	82.7694b	ppb	3.2657	3.9	1004.82
Cr 267.716	300.457b	ppb	10.8082	3.6	13263.8
Cu 324.754	812.649b	ppb	28.1878	3.5	40287.1
Fe 271.441	469981b	ppb	16732.4	3.6	799273
K 766.491	12139.4b	ppb	368.289	3.0	611703
Mg 279.078	38160.3b	ppb	1174.49	3.1	79401.6
Mn 257.610	11399.5b	ppb	416.146	3.7	2627010
Mo 202.032	20.8808b	ppb	0.9514	4.6	125.690
Na 330.237	1332.29b	ppb	107.359	8.1	-145.331
Ni 231.604	130.753b	ppb	4.6195	3.5	353.994
Pb 220.353	23019.6xb	ppb	819.895	3.6	38020.1
Sb 206.834	206.619b	ppb	11.1764	5.4	208.539
Se 196.026	0.8133b	ppb	5.5409	681.3	4.7807
Sn 189.925	9332.32b	ppb	337.091	3.6	7252.71
Sr 216.596	366.733b	ppb	12.5279	3.4	3773.07
Ti 334.941	1577.37b	ppb	54.5924	3.5	417718
Tl 190.794	46.0203b	ppb	2.6418	5.7	2.5834
V 292.401	356.055b	ppb	12.5880	3.5	10021.5
Zn 206.200	8072.53b	ppb	279.936	3.5	12626.6

680-88527-b-14-b (Samp) 3/27/2013, 12:57:54 AM Rack 2, Tube 54
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.3426	2.4676	2.1218
Al 308.215	122804	122822	122711
As 188.980	154.630	152.990	153.583
B 249.678	229.047	230.811	233.729
Ba 389.178	1965.66	1962.42	1969.51
Be 313.042	41.6949	41.6968	41.7352
Ca 370.602	157029	156887	156915
Cd 226.502	14.5517	14.7479	14.5743
Co 228.615	160.338	160.340	159.379
Cr 267.716	829.089	829.642	828.240
Cu 324.754	2987.07	2990.72	3001.35
Fe 271.441	445629	446492	446854
K 766.491	8649.84	8649.20	8664.49
Mg 279.078	21516.3	21541.7	21515.9
Mn 257.610	22659.9	22581.1	22685.6
Mo 202.032	86.6446	86.5488	86.2255
Na 330.237	6829.32u	6947.17u	7036.21u
Ni 231.604	370.782	365.978	371.344
Pb 220.353	5404.10	5405.02	5407.46
Sb 206.834	38.9190	39.3735	29.7171
Se 196.026	29.6883	9.4776	18.0877
Sn 189.925	1321.98	1312.62	1320.64
Sr 216.596	358.581	357.964	356.066
Ti 334.941	3801.87	3803.91	3806.92
Tl 190.794	77.0230	89.3192	89.1889
V 292.401	439.478	438.864	440.535
Zn 206.200	55517.4x	55462.4x	55656.1x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3107b	ppb	0.1751	7.6	178.563
Al 308.215	122779b	ppb	59.9015	0.0	715218
As 188.980	153.734b	ppb	0.8303	0.5	91.4988
B 249.678	231.196b	ppb	2.3646	1.0	1959.65
Ba 389.178	1965.86b	ppb	3.5476	0.2	49243.1
Be 313.042	41.7089b	ppb	0.0227	0.1	81687.7
Ca 370.602	156944b	ppb	75.01	0.0	481476
Cd 226.502	14.6246b	ppb	0.1074	0.7	1650.47
Co 228.615	160.019b	ppb	0.5542	0.3	1979.10
Cr 267.716	828.990b	ppb	0.7062	0.1	36380.5
Cu 324.754	2993.04b	ppb	7.4180	0.2	147720
Fe 271.441	446325b	ppb	629.024	0.1	759057
K 766.491	8654.51b	ppb	8.6473	0.1	436157
Mg 279.078	21524.6b	ppb	14.7813	0.1	44553.5
Mn 257.610	22642.2b	ppb	54.4551	0.2	5216213
Mo 202.032	86.4730b	ppb	0.2196	0.3	561.905
Na 330.237	6937.57b	ppb	103.777	1.5	-223.169
Ni 231.604	369.368b	ppb	2.9491	0.8	977.620
Pb 220.353	5405.53b	ppb	1.7364	0.0	8931.06
Sb 206.834	36.0032b	ppb	5.4487	15.1	51.6616
Se 196.026	19.0845b	ppb	10.1421	53.1	16.3803
Sn 189.925	1318.41b	ppb	5.0612	0.4	1023.52
Sr 216.596	357.537b	ppb	1.3109	0.4	3662.23
Ti 334.941	3804.23b	ppb	2.5377	0.1	1007185
Tl 190.794	85.1770b	ppb	7.0619	8.3	19.0747
V 292.401	439.625b	ppb	0.8450	0.2	12361.5
Zn 206.200	55545.3xb	ppb	99.7867	0.2	86871.1

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88527-b-15-b (Samp) 3/27/2013, 1:03:19 AM Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.9516	3.1300	2.4444
Al 308.215	126600	126081	126430
As 188.980	126.873	136.765	130.366
B 249.678	244.025	245.373	248.235
Ba 389.178	2438.28	2428.21	2436.45
Be 313.042	32.5416	32.4158	32.3948
Ca 370.602	206457	205903	206070
Cd 226.502	17.5928	17.3234	17.7225
Co 228.615	122.409	121.418	122.081
Cr 267.716	1219.10	1216.03	1216.58
Cu 324.754	4152.14	4099.32	4161.66
Fe 271.441	382861	381458	382660
K 766.491	11113.3	11054.2	11147.8
Mg 279.078	22867.4	22802.6	22848.9
Mn 257.610	39600.0x	39422.9x	39535.8x
Mo 202.032	58.5997	59.6550	58.6972
Na 330.237	5158.05u	5148.59u	5088.14u
Ni 231.604	494.193	492.576	495.132
Pb 220.353	4035.92	4008.43	4014.59
Sb 206.834	30.4122	36.4843	37.7758
Se 196.026	12.6294	24.0046	23.2217
Sn 189.925	1142.84	1141.44	1141.91
Sr 216.596	412.176	408.814	409.497
Ti 334.941	6045.70	6032.64	6036.09
Tl 190.794	145.340	145.408	140.625
V 292.401	617.281	616.271	616.543
Zn 206.200	29712.6x	29489.2x	29616.8x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8420b	ppb	0.3557	12.5	287.035
Al 308.215	126370b	ppb	264.851	0.2	736124
As 188.980	131.335b	ppb	5.0167	3.8	78.7063
B 249.678	245.878b	ppb	2.1502	0.9	2158.24
Ba 389.178	2434.31b	ppb	5.3600	0.2	60717.0
Be 313.042	32.4507b	ppb	0.0794	0.2	63524.2
Ca 370.602	206143b	ppb	284.0	0.1	650025
Cd 226.502	17.5463b	ppb	0.2036	1.2	1604.16
Co 228.615	121.970b	ppb	0.5046	0.4	1597.38
Cr 267.716	1217.24b	ppb	1.6343	0.1	53385.2
Cu 324.754	4137.70b	ppb	33.5832	0.8	204102
Fe 271.441	382326b	ppb	758.736	0.2	650218
K 766.491	11105.1b	ppb	47.3000	0.4	559601
Mg 279.078	22839.6b	ppb	33.4188	0.1	47014.5
Mn 257.610	39519.6xb	ppb	89.6525	0.2	9103136
Mo 202.032	58.9840b	ppb	0.5831	1.0	382.100
Na 330.237	5131.59b	ppb	37.9303	0.7	-120.227
Ni 231.604	493.967b	ppb	1.2933	0.3	1302.15
Pb 220.353	4019.65b	ppb	14.4271	0.4	6644.65
Sb 206.834	34.8907b	ppb	3.9319	11.3	53.1270
Se 196.026	19.9519b	ppb	6.3535	31.8	20.5680
Sn 189.925	1142.07b	ppb	0.7138	0.1	886.470
Sr 216.596	410.163b	ppb	1.7768	0.4	4154.78
Ti 334.941	6038.14b	ppb	6.7682	0.1	1598588
Tl 190.794	143.791b	ppb	2.7422	1.9	44.7176
V 292.401	616.698b	ppb	0.5227	0.1	17359.8
Zn 206.200	29606.2xb	ppb	112.058	0.4	46301.9

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88527-a-35-a (Samp) 3/27/2013, 1:08:45 AM Rack 2, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0826	-1.0685u	-1.4759u
Al 308.215	108069	108154	108037
As 188.980	194.431	201.690	206.499
B 249.678	7.4887u	5.3318u	7.3984u
Ba 389.178	1644.68	1642.88	1641.20
Be 313.042	12.1708	12.1899	12.1999
Ca 370.602	101947	102087	102031
Cd 226.502	16.7396	16.6853	16.4589
Co 228.615	93.3129	93.1135	94.1442
Cr 267.716	424.385	424.689	423.643
Cu 324.754	612.483	609.308	618.398
Fe 271.441	347153	346909	347417
K 766.491	9762.29	9756.99	9790.86
Mg 279.078	28894.5	28938.8	28915.6
Mn 257.610	13872.1	13880.6	13859.1
Mo 202.032	16.3223	16.9665	16.9637
Na 330.237	606.537u	452.488u	602.682u
Ni 231.604	145.819	144.499	146.131
Pb 220.353	2125.02	2117.61	2125.18
Sb 206.834	4.9944	4.2887	12.4530
Se 196.026	-7.1527	4.8792	7.2197
Sn 189.925	189.274	191.839	191.887
Sr 216.596	258.550	258.731	258.958
Ti 334.941	1070.05	1071.62	1070.05
Tl 190.794	52.7651	60.6943	54.0405
V 292.401	501.051	501.261	500.899
Zn 206.200	3535.68	3538.13	3530.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8756	ppb	0.7164	81.8	-78.2430
Al 308.215	108087	ppb	60.4005	0.1	629655
As 188.980	200.873	ppb	6.0754	3.0	121.234
B 249.678	6.7396	ppb	1.2201	18.1	-66.1863
Ba 389.178	1642.92	ppb	1.7414	0.1	41140.6
Be 313.042	12.1868	ppb	0.0148	0.1	23725.2
Ca 370.602	102021	ppb	70.20	0.1	307893
Cd 226.502	16.6279	ppb	0.1489	0.9	1483.84
Co 228.615	93.5235	ppb	0.5467	0.6	1128.70
Cr 267.716	424.239	ppb	0.5385	0.1	18650.3
Cu 324.754	613.396	ppb	4.6138	0.8	30431.7
Fe 271.441	347160	ppb	253.996	0.1	590405
K 766.491	9770.05	ppb	18.2191	0.2	492350
Mg 279.078	28916.3	ppb	22.1476	0.1	60077.6
Mn 257.610	13870.6	ppb	10.8135	0.1	3195762
Mo 202.032	16.7508	ppb	0.3711	2.2	103.644
Na 330.237	553.902	ppb	87.8486	15.9	-110.628
Ni 231.604	145.483	ppb	0.8665	0.6	389.993
Pb 220.353	2122.60	ppb	4.3234	0.2	3509.35
Sb 206.834	7.2454	ppb	4.5237	62.4	19.4421
Se 196.026	1.6487	ppb	7.7116	467.7	5.0836
Sn 189.925	191.000	ppb	1.4949	0.8	147.175
Sr 216.596	258.746	ppb	0.2043	0.1	2663.92
Ti 334.941	1070.57	ppb	0.9085	0.1	283497
Tl 190.794	55.8333	ppb	4.2578	7.6	11.2163
V 292.401	501.070	ppb	0.1815	0.0	14084.4
Zn 206.200	3534.82	ppb	3.8103	0.1	5529.38

680-88527-a-36-a (Samp) 3/27/2013, 1:14:10 AM Rack 2, Tube 57
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.3290	3.3808	3.0538
Al 308.215	91063.6	91166.9	91371.8
As 188.980	226.807	219.697	208.706
B 249.678	15.9987u	17.0857u	18.1887u
Ba 389.178	2358.21	2363.70	2370.11
Be 313.042	11.4170	11.4287	11.4455
Ca 370.602	163349	163249	163191
Cd 226.502	165.012	164.811	165.338
Co 228.615	88.9483	89.6536	89.4001
Cr 267.716	296.366	297.400	297.439
Cu 324.754	865.610	873.488	879.881
Fe 271.441	484032	484438	484874
K 766.491	12707.9	12721.6	12787.6
Mg 279.078	36450.6	36468.5	36502.7
Mn 257.610	13583.2	13595.3	13594.6
Mo 202.032	20.8772	21.2033	21.5783
Na 330.237	1428.14u	1429.77u	1264.26u
Ni 231.604	155.089	155.861	153.287
Pb 220.353	3472.76	3475.68	3461.86
Sb 206.834	9.8652	14.8549	6.0857
Se 196.026	-11.7882	-3.7359	-7.1111
Sn 189.925	140.051	136.227	136.420
Sr 216.596	355.473	356.525	354.510
Ti 334.941	2051.16	2055.60	2056.92
Tl 190.794	44.5465	57.5836	55.5705
V 292.401	284.648	285.406	285.890
Zn 206.200	8302.46	8292.90	8318.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.2545	ppb	0.1758	5.4	204.968
Al 308.215	91200.7	ppb	156.857	0.2	531330
As 188.980	218.403	ppb	9.1197	4.2	131.203
B 249.678	17.0910	ppb	1.0950	6.4	-97.1550
Ba 389.178	2364.01	ppb	5.9543	0.3	59172.3
Be 313.042	11.4304	ppb	0.0143	0.1	22264.7
Ca 370.602	163263	ppb	79.89	0.0	498508
Cd 226.502	165.054	ppb	0.2662	0.2	7398.49
Co 228.615	89.3340	ppb	0.3572	0.4	1100.95
Cr 267.716	297.069	ppb	0.6084	0.2	13128.8
Cu 324.754	872.993	ppb	7.1487	0.8	43265.4
Fe 271.441	484448	ppb	421.404	0.1	823875
K 766.491	12739.1	ppb	42.6223	0.3	641907
Mg 279.078	36474.0	ppb	26.4944	0.1	75856.0
Mn 257.610	13591.0	ppb	6.7978	0.1	3131787
Mo 202.032	21.2196	ppb	0.3508	1.7	127.400
Na 330.237	1374.06	ppb	95.0884	6.9	-153.057
Ni 231.604	154.746	ppb	1.3206	0.9	417.040
Pb 220.353	3470.10	ppb	7.2830	0.2	5734.44
Sb 206.834	10.2686	ppb	4.3985	42.8	23.9168
Se 196.026	-7.5451	ppb	4.0437	53.6	1.2912
Sn 189.925	137.566	ppb	2.1539	1.6	105.661
Sr 216.596	355.503	ppb	1.0078	0.3	3662.49
Ti 334.941	2054.56	ppb	3.0161	0.1	544043
Tl 190.794	52.5668	ppb	7.0184	13.4	4.3536
V 292.401	285.315	ppb	0.6259	0.2	8039.81
Zn 206.200	8304.74	ppb	13.1298	0.2	12989.8

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88527-a-37-a (Samp) 3/27/2013, 1:19:36 AM Rack 2, Tube 58
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.2582	1.9849	1.9429
Al 308.215	120771	120239	120222
As 188.980	128.570	127.982	124.477
B 249.678	295.686	296.493	297.630
Ba 389.178	2224.21	2216.48	2218.04
Be 313.042	35.0758	35.0207	34.9898
Ca 370.602	170038	169687	170521
Cd 226.502	15.9394	15.7617	15.8912
Co 228.615	135.754	137.255	138.968
Cr 267.716	784.744	781.431	782.862
Cu 324.754	2849.84	2832.42	2815.12
Fe 271.441	420303	417720	419396
K 766.491	9014.34	9015.59	9036.17
Mg 279.078	22290.4	22192.8	22202.9
Mn 257.610	26819.8	26797.5	26954.1
Mo 202.032	69.8316	69.2938	69.4937
Na 330.237	6768.63u	6954.84u	6974.22u
Ni 231.604	313.813	312.850	311.283
Pb 220.353	4915.49	4900.68	4882.79
Sb 206.834	23.0773	25.1522	28.2821
Se 196.026	27.7272	7.9733	18.6765
Sn 189.925	1165.49	1161.07	1163.29
Sr 216.596	356.386	357.320	357.240
Ti 334.941	4180.86	4180.91	4181.79
Tl 190.794	91.7118	105.329	99.7492
V 292.401	427.931	427.891	428.600
Zn 206.200	48565.1x	48457.4x	48390.7x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0620b	ppb	0.1712	8.3	179.038
Al 308.215	120410b	ppb	312.274	0.3	701424
As 188.980	127.010b	ppb	2.2125	1.7	75.3521
B 249.678	296.603b	ppb	0.9767	0.3	2602.59
Ba 389.178	2219.58b	ppb	4.0889	0.2	55468.5
Be 313.042	35.0288b	ppb	0.0435	0.1	68581.0
Ca 370.602	170082b	ppb	418.5	0.2	527283
Cd 226.502	15.8641b	ppb	0.0919	0.6	1630.68
Co 228.615	137.326b	ppb	1.6083	1.2	1724.32
Cr 267.716	783.012b	ppb	1.6614	0.2	34384.8
Cu 324.754	2832.46b	ppb	17.3623	0.6	139799
Fe 271.441	419140b	ppb	1310.68	0.3	712822
K 766.491	9022.04b	ppb	12.2582	0.1	454671
Mg 279.078	22228.7b	ppb	53.6779	0.2	45949.8
Mn 257.610	26857.1b	ppb	84.6825	0.3	6186893
Mo 202.032	69.5397b	ppb	0.2719	0.4	450.795
Na 330.237	6899.23b	ppb	113.515	1.6	-166.708
Ni 231.604	312.649b	ppb	1.2769	0.4	828.713
Pb 220.353	4899.65b	ppb	16.3742	0.3	8096.37
Sb 206.834	25.5039b	ppb	2.6202	10.3	41.0049
Se 196.026	18.1257b	ppb	9.8885	54.6	16.7826
Sn 189.925	1163.28b	ppb	2.2098	0.2	902.948
Sr 216.596	356.982b	ppb	0.5178	0.1	3649.39
Ti 334.941	4181.19b	ppb	0.5209	0.0	1106981
Tl 190.794	98.9300b	ppb	6.8455	6.9	25.2464
V 292.401	428.141b	ppb	0.3985	0.1	12051.1
Zn 206.200	48471.1xb	ppb	88.0390	0.2	75807.3

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88527-a-38-a (Samp) 3/27/2013, 1:25:02 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.0540	2.9066	2.9467
Al 308.215	111412	111405	111314
As 188.980	133.863	135.092	137.008
B 249.678	166.091	167.094	170.085
Ba 389.178	2683.41	2684.72	2681.77
Be 313.042	26.3404	26.3810	26.3620
Ca 370.602	156739	157543	156845
Cd 226.502	23.5983	22.7738	23.0374
Co 228.615	152.093	151.504	151.066
Cr 267.716	688.324	688.718	686.624
Cu 324.754	1799.02	1802.72	1800.12
Fe 271.441	366819	367653	367387
K 766.491	10310.4	10330.6	10347.9
Mg 279.078	16548.7	16550.2	16545.9
Mn 257.610	43384.9x	43345.2x	43326.8x
Mo 202.032	58.3393	58.4637	56.3664
Na 330.237	4824.06u	5119.42u	5126.03u
Ni 231.604	233.388	239.973	234.576
Pb 220.353	3656.26	3666.59	3661.26
Sb 206.834	18.4522	27.2181	19.1500
Se 196.026	38.5279	14.9973	18.3365
Sn 189.925	768.221	762.853	765.377
Sr 216.596	380.808	380.249	377.824
Ti 334.941	4203.90	4210.41	4193.53
Tl 190.794	167.898	167.054	158.455
V 292.401	366.944	368.755	368.021
Zn 206.200	34597.8x	34683.8x	34650.2x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9691b	ppb	0.0762	2.6	312.214
Al 308.215	111377b	ppb	54.1956	0.0	648820
As 188.980	135.321b	ppb	1.5847	1.2	80.9187
B 249.678	167.757b	ppb	2.0780	1.2	1434.97
Ba 389.178	2683.30b	ppb	1.4805	0.1	66823.9
Be 313.042	26.3611b	ppb	0.0203	0.1	51560.7
Ca 370.602	157042b	ppb	436.6	0.3	489122
Cd 226.502	23.1365b	ppb	0.4211	1.8	1777.34
Co 228.615	151.554b	ppb	0.5154	0.3	1894.52
Cr 267.716	687.889b	ppb	1.1128	0.2	30286.2
Cu 324.754	1800.62b	ppb	1.9038	0.1	88940.2
Fe 271.441	367286b	ppb	425.657	0.1	624642
K 766.491	10329.6b	ppb	18.7503	0.2	520537
Mg 279.078	16548.3b	ppb	2.1667	0.0	33849.3
Mn 257.610	43352.3xb	ppb	29.6757	0.1	9985781
Mo 202.032	57.7231b	ppb	1.1766	2.0	374.853
Na 330.237	5023.17b	ppb	172.466	3.4	-144.695
Ni 231.604	235.979b	ppb	3.5096	1.5	627.113
Pb 220.353	3661.37b	ppb	5.1659	0.1	6055.04
Sb 206.834	21.6068b	ppb	4.8721	22.5	35.4206
Se 196.026	23.9539b	ppb	12.7314	53.1	23.3836
Sn 189.925	765.483b	ppb	2.6856	0.4	593.737
Sr 216.596	379.627b	ppb	1.5862	0.4	3851.27
Ti 334.941	4202.61b	ppb	8.5156	0.2	1112622
Tl 190.794	164.469b	ppb	5.2254	3.2	55.5447
V 292.401	367.907b	ppb	0.9110	0.2	10365.9
Zn 206.200	34643.9xb	ppb	43.3556	0.1	54182.4

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Verif (CCV) 3/27/2013, 1:30:29 AM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	492.370	497.350	493.418
Al 308.215	4924.00	4928.93	4936.72
As 188.980	464.310	460.532	454.330
B 249.678	2440.30	2454.08	2485.69
Ba 389.178	4897.72	4896.40	4905.23
Be 313.042	486.303	485.854	485.312
Ca 370.602	4852	4839	4851
Cd 226.502	472.682	471.636	474.206
Co 228.615	491.042	488.695	490.372
Cr 267.716	4673.72	4668.19	4659.39
Cu 324.754	4889.81	4632.65	4832.29
Fe 271.441	4915.89	4913.52	4937.66
K 766.491	10145.5	10175.6	10196.7
Mg 279.078	4819.94	4819.74	4821.88
Mn 257.610	4875.96	4879.44	4884.61
Mo 202.032	470.237	470.804	470.156
Na 330.237	7623.52	7499.75	7268.13
Ni 231.604	2421.01	2419.49	2423.34
Pb 220.353	472.998	475.615	474.193
Sb 206.834	898.229	903.122	910.408
Se 196.026	4776.69	4795.76	4792.85
Sn 189.925	4854.17	4912.36	4906.45
Sr 216.596	2359.71	2363.78	2356.55
Ti 334.941	479.458	479.141	477.574
Tl 190.794	4771.11	4791.14	4758.88
V 292.401	4876.99	4878.72	4881.71
Zn 206.200	2402.50	2410.03	2420.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.379	ppb	2.6256	0.5	34663.4	98.87587
Al 308.215	4929.88	ppb	6.4104	0.1	28948.4	98.59763
As 188.980	459.724	ppb	5.0389	1.1	283.950	91.94482
B 249.678	2460.02	ppb	23.2736	0.9	23413.1	98.40086
Ba 389.178	4899.78	ppb	4.7613	0.1	120988	97.99567
Be 313.042	485.823	ppb	0.4960	0.1	953183	97.16462
Ca 370.602	4847	ppb	7.362	0.2	15844	96.94468
Cd 226.502	472.841	ppb	1.2926	0.3	17798.4	94.56825
Co 228.615	490.036	ppb	1.2086	0.2	5778.17	98.00725
Cr 267.716	4667.10	ppb	7.2274	0.2	203726	93.34203
Cu 324.754	4784.92	ppb	134.967	2.8	235853	95.69833
Fe 271.441	4922.35	ppb	13.3053	0.3	8494.32	98.44708
K 766.491	10172.6	ppb	25.7386	0.3	512628	101.72608
Mg 279.078	4820.52	ppb	1.1835	0.0	9990.34	96.41045
Mn 257.610	4880.00	ppb	4.3554	0.1	1124032	97.60007
Mo 202.032	470.399	ppb	0.3529	0.1	3122.22	94.07978
Na 330.237	7463.80	ppb	180.402	2.4	361.813	99.51730
Ni 231.604	2421.28	ppb	1.9365	0.1	6334.86	96.85117
Pb 220.353	474.269	ppb	1.3105	0.3	786.669	94.85374
Sb 206.834	903.919	ppb	6.1286	0.7	886.701	90.39195
Se 196.026	4788.44	ppb	10.2715	0.2	2354.58	95.76871
Sn 189.925	4890.99	ppb	32.0274	0.7	3800.42	97.81986
Sr 216.596	2360.02	ppb	3.6275	0.2	22949.1	94.40061
Ti 334.941	478.724	ppb	1.0088	0.2	126666	95.74488
Tl 190.794	4773.71	ppb	16.2867	0.3	3274.62	95.47420
V 292.401	4879.14	ppb	2.3890	0.0	136849	97.58280
Zn 206.200	2410.88	ppb	8.8339	0.4	2758.32	96.43523

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Cont Calib Blank (CCB) 3/27/2013, 1:35:55 AM Rack 3, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3966u	-0.0401u	-0.1012u
Al 308.215	-1.6743u	-1.1532u	-3.2258u
As 188.980	-1.8986u	-2.6641u	-6.8339u
B 249.678	47.1968	41.1569	36.1930
Ba 389.178	1.2956	1.2622	-0.1106u
Be 313.042	0.0004	-0.0075u	-0.0063u
Ca 370.602	1.188	3.329	1.479
Cd 226.502	0.0532	-0.2405u	0.0178
Co 228.615	-0.3844u	0.0509	-0.1178u
Cr 267.716	0.0958	0.0212	0.0014
Cu 324.754	-0.0860u	-0.0052u	-0.2485u
Fe 271.441	10.6455	22.2364	8.6090
K 766.491	0.9020	0.3913	0.7782
Mg 279.078	0.4566	-0.9475u	5.2748
Mn 257.610	0.6008	0.7567	0.8518
Mo 202.032	0.9936	-0.0663u	0.3936
Na 330.237	-114.594u	-57.4637u	-356.763u
Ni 231.604	-1.4857u	0.2306	-0.6940u
Pb 220.353	-1.3880u	-0.0857u	-0.6000u
Sb 206.834	5.9539	1.8525	2.3865
Se 196.026	1.8747	2.9504	3.1105
Sn 189.925	2.7105	1.4117	-0.8597u
Sr 216.596	0.1900	0.8768	0.1577
Ti 334.941	0.3146	0.3735	0.3057
Tl 190.794	-1.2949u	4.8902	3.7279
V 292.401	-0.0350u	0.1056	-0.2641u
Zn 206.200	2.6661	0.3290	0.4623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1793	ppb	0.1907	106.3	-78.8471	-0.17931
Al 308.215	-2.0178	ppb	1.0781	53.4	253.728	-2.01775
As 188.980	-3.7989	ppb	2.6561	69.9	-2.7604	-3.79887
B 249.678	41.5155	ppb	5.5107	13.3	587.639	41.51554
Ba 389.178	0.8157	ppb	0.8024	98.4	-9.8602	0.81574
Be 313.042	-0.0045	ppb	0.0043	96.2	-219.428	-0.00446
Ca 370.602	1.999	ppb	1.161	58.1	-0.4296	1.99851
Cd 226.502	-0.0565	ppb	0.1604	283.8	9.0011	-0.05650
Co 228.615	-0.1504	ppb	0.2195	145.9	10.0996	-0.15041
Cr 267.716	0.0395	ppb	0.0497	126.1	4.3814	0.03946
Cu 324.754	-0.1132	ppb	0.1239	109.4	104.708	-0.11324
Fe 271.441	13.8303	ppb	7.3508	53.2	27.1219	13.83028
K 766.491	0.6905	ppb	0.2664	38.6	240.597	0.69051
Mg 279.078	1.5946	ppb	3.2635	204.7	28.6498	1.59464
Mn 257.610	0.7364	ppb	0.1267	17.2	228.377	0.73643
Mo 202.032	0.4403	ppb	0.5315	120.7	12.1325	0.44031
Na 330.237	-176.273	ppb	158.897	90.1	-9.1201	-176.27332
Ni 231.604	-0.6497	ppb	0.8590	132.2	0.6210	-0.64968
Pb 220.353	-0.6912	ppb	0.6559	94.9	2.3777	-0.69122
Sb 206.834	3.3976	ppb	2.2299	65.6	4.6285	3.39763
Se 196.026	2.6452	ppb	0.6721	25.4	0.1615	2.64521
Sn 189.925	1.0875	ppb	1.8071	166.2	-0.4757	1.08748
Sr 216.596	0.4082	ppb	0.4062	99.5	12.3783	0.40818
Ti 334.941	0.3313	ppb	0.0368	11.1	-4.2011	0.33125
Tl 190.794	2.4411	ppb	3.2872	134.7	0.4522	2.44108
V 292.401	-0.0645	ppb	0.1866	289.3	2.0077	-0.06449
Zn 206.200	1.1525	ppb	1.3125	113.9	4.1496	1.15249

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mb 680-270685/1-a (Samp) **3/27/2013, 1:41:32 AM** **Rack 3, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.6024	-0.3922u	-0.4489u
Al 308.215	-4.5579u	-3.9282u	-2.2333u
As 188.980	-0.1868u	2.6810	-0.8716u
B 249.678	5.6108	6.5502	5.9546
Ba 389.178	-0.0042u	0.1295	0.5985
Be 313.042	-0.0141u	-0.0223u	-0.0176u
Ca 370.602	3.364	5.983	1.652
Cd 226.502	-0.0725u	-0.0972u	-0.0693u
Co 228.615	-0.4755u	0.3946	-0.5921u
Cr 267.716	-0.0045u	-0.4729u	-0.2357u
Cu 324.754	0.1406	0.1974	-0.3552u
Fe 271.441	5.4966	5.7835	4.0941
K 766.491	0.5393	0.3764	1.1877
Mg 279.078	-4.4275u	-2.4396u	-1.0838u
Mn 257.610	0.0503	0.0491	0.0661
Mo 202.032	0.5140	0.3451	-0.1775u
Na 330.237	39.7289	-179.416u	276.222
Ni 231.604	-0.1083u	2.2795	-0.7107u
Pb 220.353	-2.5285u	-0.5178u	0.9420
Sb 206.834	-3.7380u	-0.6035u	1.3086
Se 196.026	1.8326	5.4066	2.6195
Sn 189.925	-0.1673u	3.2723	-2.8086u
Sr 216.596	0.4116	0.2651	0.6653
Ti 334.941	0.2290	0.2727	0.1980
Tl 190.794	0.2007	7.4037	-0.3516u
V 292.401	-0.5429u	-0.3980u	0.0948
Zn 206.200	2.3822	0.6127	1.8374

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0796	ppb	0.5913	742.9	-71.8005
Al 308.215	-3.5731	ppb	1.2023	33.6	244.654
As 188.980	0.5409	ppb	1.8848	348.5	-0.0746
B 249.678	6.0385	ppb	0.4753	7.9	252.752
Ba 389.178	0.2413	ppb	0.3165	131.2	-24.0717
Be 313.042	-0.0180	ppb	0.0041	22.8	-246.085
Ca 370.602	3.667	ppb	2.181	59.5	5.727
Cd 226.502	-0.0796	ppb	0.0153	19.2	8.1098
Co 228.615	-0.2243	ppb	0.5392	240.4	9.2332
Cr 267.716	-0.2377	ppb	0.2342	98.5	-7.7187
Cu 324.754	-0.0058	ppb	0.3040	5266.5	109.999
Fe 271.441	5.1247	ppb	0.9040	17.6	12.3124
K 766.491	0.7011	ppb	0.4292	61.2	241.133
Mg 279.078	-2.6503	ppb	1.6818	63.5	19.8161
Mn 257.610	0.0552	ppb	0.0095	17.2	71.4278
Mo 202.032	0.2272	ppb	0.3605	158.7	10.7188
Na 330.237	45.5119	ppb	227.874	500.7	2.3254
Ni 231.604	0.4868	ppb	1.5814	324.8	3.5932
Pb 220.353	-0.7014	ppb	1.7425	248.4	2.3610
Sb 206.834	-1.0110	ppb	2.5478	252.0	0.5156
Se 196.026	3.2862	ppb	1.8780	57.1	0.4765
Sn 189.925	0.0988	ppb	3.0491	3086.8	-1.2441
Sr 216.596	0.4474	ppb	0.2025	45.3	12.7401
Ti 334.941	0.2332	ppb	0.0375	16.1	-30.1816
Tl 190.794	2.4176	ppb	4.3269	179.0	0.4371
V 292.401	-0.2820	ppb	0.3343	118.5	-4.0716
Zn 206.200	1.6108	ppb	0.9063	56.3	4.8670

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ics 680-270685/2-a (Samp) 3/27/2013, 1:47:00 AM Rack 3, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	142.434	141.450	139.991
Al 308.215	9757.45	9814.57	9832.97
As 188.980	170.886	176.801	171.015
B 249.678	389.010	394.355	397.423
Ba 389.178	202.375	202.620	204.374
Be 313.042	100.828	101.319	101.644
Ca 370.602	9550	9611	9647
Cd 226.502	99.8214	100.637	100.792
Co 228.615	101.588	101.874	100.778
Cr 267.716	187.911	189.803	190.476
Cu 324.754	196.150	195.731	195.557
Fe 271.441	9620.69	9684.12	9716.17
K 766.491	10366.6	10394.4	10414.2
Mg 279.078	9922.03	9999.80	10035.7
Mn 257.610	1012.09	1017.95	1020.81
Mo 202.032	161.506	164.884	166.621
Na 330.237	9890.45	9687.68	10020.3
Ni 231.604	200.210	201.749	200.568
Pb 220.353	97.9859	98.3252	102.210
Sb 206.834	85.3720	82.7995	89.5135
Se 196.026	184.666	181.256	177.482
Sn 189.925	271.409	268.501	267.557
Sr 216.596	197.054	197.714	199.195
Ti 334.941	185.067	185.804	186.806
Tl 190.794	84.2158	87.5529	82.5098
V 292.401	192.401	192.048	192.804
Zn 206.200	199.623	200.632	203.327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	141.292	ppb	1.2292	0.9	9871.57
Al 308.215	9801.66	ppb	39.3798	0.4	57359.9
As 188.980	172.901	ppb	3.3784	2.0	106.527
B 249.678	393.596	ppb	4.2577	1.1	3902.15
Ba 389.178	203.123	ppb	1.0902	0.5	5029.09
Be 313.042	101.264	ppb	0.4109	0.4	198534
Ca 370.602	9603	ppb	48.95	0.5	30917
Cd 226.502	100.417	ppb	0.5213	0.5	3809.65
Co 228.615	101.413	ppb	0.5688	0.6	1202.91
Cr 267.716	189.397	ppb	1.3299	0.7	8275.12
Cu 324.754	195.813	ppb	0.3050	0.2	9764.36
Fe 271.441	9673.66	ppb	48.5957	0.5	16472.2
K 766.491	10391.7	ppb	23.8639	0.2	523665
Mg 279.078	9985.84	ppb	58.1027	0.6	20811.5
Mn 257.610	1016.95	ppb	4.4437	0.4	234358
Mo 202.032	164.337	ppb	2.6009	1.6	1099.00
Na 330.237	9866.13	ppb	167.624	1.7	503.294
Ni 231.604	200.842	ppb	0.8052	0.4	527.790
Pb 220.353	99.5071	ppb	2.3472	2.4	167.538
Sb 206.834	85.8950	ppb	3.3875	3.9	82.2395
Se 196.026	181.135	ppb	3.5936	2.0	88.2307
Sn 189.925	269.156	ppb	2.0075	0.7	207.899
Sr 216.596	197.988	ppb	1.0967	0.6	1933.11
Ti 334.941	185.892	ppb	0.8732	0.5	49164.5
Tl 190.794	84.7595	ppb	2.5651	3.0	55.6934
V 292.401	192.418	ppb	0.3784	0.2	5373.44
Zn 206.200	201.194	ppb	1.9150	0.9	316.417

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ics 680-270685/3-a (Samp) 3/27/2013, 1:52:26 AM Rack 3, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	119.055	91.6266	121.281
Al 308.215	3962.46	3985.37	3982.24
As 188.980	390.280	388.247	384.493
B 249.678	788.747	799.245	804.957
Ba 389.178	397.795	397.830	399.086
Be 313.042	394.915	394.727	396.654
Ca 370.602	38784	39000	39055
Cd 226.502	391.651	394.123	393.663
Co 228.615	401.335	404.120	401.132
Cr 267.716	374.559	377.772	377.890
Cu 324.754	398.282	393.858	397.794
Fe 271.441	40456.8	40605.0	40755.5
K 766.491	42852.5x	42972.4x	42976.8x
Mg 279.078	39840.9	40192.1	40174.6
Mn 257.610	3945.54	3974.18	3977.37
Mo 202.032	306.950	309.400	313.560
Na 330.237	37693.3	37817.2	37692.6
Ni 231.604	393.976	399.763	400.874
Pb 220.353	390.500	396.693	391.693
Sb 206.834	180.979	209.190	221.614
Se 196.026	332.167	329.700	329.125
Sn 189.925	254.536	265.342	266.587
Sr 216.596	412.910	415.631	414.692
Ti 334.941	368.456	370.648	372.242
Tl 190.794	96.0081	91.5488	93.1813
V 292.401	388.616	388.330	390.249
Zn 206.200	377.626	379.336	375.838

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	110.654b	ppb	16.5161	14.9	7719.66
Al 308.215	3976.69b	ppb	12.4233	0.3	23457.0
As 188.980	387.674b	ppb	2.9359	0.8	239.331
B 249.678	797.650b	ppb	8.2220	1.0	7687.29
Ba 389.178	398.237b	ppb	0.7356	0.2	9978.41
Be 313.042	395.432b	ppb	1.0624	0.3	775948
Ca 370.602	38947b	ppb	143.2	0.4	125203
Cd 226.502	393.146b	ppb	1.3147	0.3	14889.9
Co 228.615	402.196b	ppb	1.6695	0.4	4736.41
Cr 267.716	376.741b	ppb	1.8904	0.5	16468.5
Cu 324.754	396.645b	ppb	2.4258	0.6	19671.4
Fe 271.441	40605.8b	ppb	149.372	0.4	69123.0
K 766.491	42933.9xb	ppb	70.5234	0.2	2162906
Mg 279.078	40069.2b	ppb	197.935	0.5	83444.4
Mn 257.610	3965.70b	ppb	17.5278	0.4	913748
Mo 202.032	309.970b	ppb	3.3413	1.1	2063.69
Na 330.237	37734.4b	ppb	71.7072	0.2	1929.54
Ni 231.604	398.205b	ppb	3.7036	0.9	1044.59
Pb 220.353	392.962b	ppb	3.2854	0.8	652.519
Sb 206.834	203.928b	ppb	20.8228	10.2	195.028
Se 196.026	330.331b	ppb	1.6161	0.5	162.493
Sn 189.925	262.155b	ppb	6.6277	2.5	202.478
Sr 216.596	414.411b	ppb	1.3822	0.3	4047.81
Ti 334.941	370.449b	ppb	1.9008	0.5	98153.1
Tl 190.794	93.5794b	ppb	2.2562	2.4	57.8346
V 292.401	389.065b	ppb	1.0354	0.3	10866.2
Zn 206.200	377.600b	ppb	1.7488	0.5	591.725

lb 680-269861/5-e (Samp) 3/27/2013, 1:57:52 AM Rack 3, Tube 6
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.6407	4.7767	4.0942
Al 308.215	-3.1759u	0.7334	-1.6999u
As 188.980	9.5211	3.5033	0.1039
B 249.678	65.5213	64.1225	63.1301
Ba 389.178	-0.3458u	0.9207	0.8796
Be 313.042	-0.0196u	-0.0171u	-0.0137u
Ca 370.602	452.6	454.4	450.6
Cd 226.502	0.1016	-0.1220u	0.0872
Co 228.615	0.6187	0.5566	-1.0272u
Cr 267.716	-0.0264	-0.1203u	0.0033
Cu 324.754	0.7362	0.9778	0.2729
Fe 271.441	12.8256	11.0038	17.8860
K 766.491	109.457	109.841	108.947
Mg 279.078	87.6983	88.6837	88.9767
Mn 257.610	0.0918	0.0867	0.0980
Mo 202.032	3.1775	3.4007	2.4808
Na 330.237	121433x	122483x	121710x
Ni 231.604	1.1865	0.0615	1.9157
Pb 220.353	0.9412	-1.4170u	2.2504
Sb 206.834	8.3263	7.2628	5.2954
Se 196.026	-1.3962u	5.4158	12.2434
Sn 189.925	5.6486	8.0073	4.7805
Sr 216.596	1.3545	0.5846	0.5188
Ti 334.941	0.7617	0.6973	0.5957
Tl 190.794	-7.0206u	4.4094	-1.4355u
V 292.401	0.1354	0.0373u	-0.4927u
Zn 206.200	3.7059	2.7095	3.3206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5039b	ppb	0.3612	8.0	250.654
Al 308.215	-1.3808b	ppb	1.9741	143.0	257.803
As 188.980	4.3761b	ppb	4.7689	109.0	2.3017
B 249.678	64.2579b	ppb	1.2014	1.9	802.319
Ba 389.178	0.4848b	ppb	0.7196	148.4	-17.7694
Be 313.042	-0.0168b	ppb	0.0029	17.4	-258.939
Ca 370.602	452.6b	ppb	1.899	0.4	1485
Cd 226.502	0.0223b	ppb	0.1251	562.0	11.2735
Co 228.615	0.0494b	ppb	0.9329	1889.9	12.3595
Cr 267.716	-0.0478b	ppb	0.0645	134.9	2.5822
Cu 324.754	0.6623b	ppb	0.3582	54.1	142.999
Fe 271.441	13.9051b	ppb	3.5658	25.6	27.2942
K 766.491	109.415b	ppb	0.4483	0.4	5717.35
Mg 279.078	88.4529b	ppb	0.6697	0.8	209.611
Mn 257.610	0.0922b	ppb	0.0057	6.2	79.8159
Mo 202.032	3.0197b	ppb	0.4798	15.9	29.2493
Na 330.237	121875xb	ppb	544.169	0.4	6290.19
Ni 231.604	1.0546b	ppb	0.9341	88.6	5.0783
Pb 220.353	0.5915b	ppb	1.8586	314.2	4.4921
Sb 206.834	6.9615b	ppb	1.5377	22.1	7.9180
Se 196.026	5.4210b	ppb	6.8198	125.8	1.5262
Sn 189.925	6.1455b	ppb	1.6698	27.2	3.4973
Sr 216.596	0.8193b	ppb	0.4646	56.7	16.3160
Ti 334.941	0.6849b	ppb	0.0837	12.2	80.6439
Tl 190.794	-1.3489b	ppb	5.7155	423.7	-2.1515
V 292.401	-0.1067b	ppb	0.3379	316.8	-0.7220
Zn 206.200	3.2453b	ppb	0.5024	15.5	7.4230

680-88413-a-1-k (Samp) 3/27/2013, 2:03:18 AM Rack 3, Tube 7
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	28.5605	28.6640	28.3351
Al 308.215	45.0182	50.9352	44.9768
As 188.980	-4.8008u	-0.0778	1.5991
B 249.678	42.1250	40.5339	39.3383
Ba 389.178	-0.1657	-0.0150	-0.7261
Be 313.042	-0.0336u	-0.0352u	-0.0401u
Ca 370.602	38093	38096	38044
Cd 226.502	3.1622	2.9800	3.0224
Co 228.615	61.9897	62.1404	62.8148
Cr 267.716	0.0455	0.1108	0.0920
Cu 324.754	147028x	148714x	146492x
Fe 271.441	-10.1311u	-9.5912u	-11.2264u
K 766.491	1457.75	1460.21	1463.72
Mg 279.078	47994.6	48067.6	48006.0
Mn 257.610	3507.01	3506.89	3505.92
Mo 202.032	1.0962	0.6317	0.5378
Na 330.237	423517x	424820x	424551x
Ni 231.604	80280.0x	79020.8x	77249.4x
Pb 220.353	-1.1800u	3.0655	4.3074
Sb 206.834	3.0697	4.2725	6.0613
Se 196.026	7.3218	5.1200	7.9842
Sn 189.925	2.6033	6.1016	-3.6386u
Sr 216.596	20.0532u	18.8977u	18.3597u
Ti 334.941	-5.0852u	-5.1160u	-5.2312u
Tl 190.794	15.2097	15.5250	12.1615
V 292.401	3.4157	3.2534	3.0479
Zn 206.200	2834.38	2827.25	2819.08

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	28.5198b	ppb	0.1682	0.6	1963.13
Al 308.215	46.9768b	ppb	3.4282	7.3	539.012
As 188.980	-1.0932b	ppb	3.3186	303.6	-0.7647
B 249.678	40.6657b	ppb	1.3980	3.4	579.660
Ba 389.178	-0.3023b	ppb	0.3747	124.0	96.0629
Be 313.042	-0.0363b	ppb	0.0034	9.3	-303.415
Ca 370.602	38078b	ppb	29.40	0.1	125666
Cd 226.502	3.0549b	ppb	0.0953	3.1	124.038
Co 228.615	62.3149b	ppb	0.4394	0.7	743.930
Cr 267.716	0.0828b	ppb	0.0336	40.6	26.8670
Cu 324.754	147411xb	ppb	1159.29	0.8	7263767
Fe 271.441	-10.3162b	ppb	0.8332	8.1	-4.8992
K 766.491	1460.56b	ppb	3.0004	0.2	73778.3
Mg 279.078	48022.7b	ppb	39.2601	0.1	100015
Mn 257.610	3506.61b	ppb	0.5961	0.0	807942
Mo 202.032	0.7552b	ppb	0.2990	39.6	14.2183
Na 330.237	424296xb	ppb	687.899	0.2	21877.7
Ni 231.604	78850.1xb	ppb	1522.49	1.9	206221
Pb 220.353	2.0643b	ppb	2.8774	139.4	7.6590
Sb 206.834	4.4678b	ppb	1.5053	33.7	5.6218
Se 196.026	6.8087b	ppb	1.4995	22.0	3.0673
Sn 189.925	1.6888b	ppb	4.9340	292.2	0.1498
Sr 216.596	19.1035b	ppb	0.8653	4.5	-1011.40
Ti 334.941	-5.1441b	ppb	0.0770	1.5	-1280.91
Tl 190.794	14.2987b	ppb	1.8576	13.0	5.1035
V 292.401	3.2390b	ppb	0.1843	5.7	91.9058
Zn 206.200	2826.90b	ppb	7.6573	0.3	4423.55

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88413-a-1-1 ms (Samp) 3/27/2013, 2:08:45 AM Rack 3, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	100.312	100.336	100.449
Al 308.215	807.564	812.399	810.953
As 188.980	82.4490	87.0423	83.6373
B 249.678	183.185	183.695	183.290
Ba 389.178	76.4208	75.9029	75.2114
Be 313.042	79.5157	79.4321	79.4859
Ca 370.602	38478	38392	38416
Cd 226.502	77.2262	76.5416	76.5297
Co 228.615	127.238	126.551	128.260
Cr 267.716	75.3801	75.2898	74.8731
Cu 324.754	120565x	122210x	120138x
Fe 271.441	7682.55	7652.92	7666.92
K 766.491	10944.5	10935.0	10970.5
Mg 279.078	46487.9	46427.3	46426.0
Mn 257.610	3620.38	3616.69	3614.92
Mo 202.032	75.3267	77.1552	76.7493
Na 330.237	345610x	345457x	346334x
Ni 231.604	64738.9x	64936.0x	63966.7x
Pb 220.353	79.2954	73.2877	80.0428
Sb 206.834	84.8200	73.3310	79.3692
Se 196.026	93.7780	88.5584	75.3818
Sn 189.925	84.3444	74.0071	82.4603
Sr 216.596	91.1493u	87.9983u	89.5904u
Ti 334.941	72.1819	71.9685	72.1919
Tl 190.794	23.2509	27.8725	33.2975
V 292.401	81.5192	81.9488	81.4399
Zn 206.200	2362.57	2356.46	2354.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	100.365b	ppb	0.0733	0.1	7014.26
Al 308.215	810.305b	ppb	2.4817	0.3	4992.75
As 188.980	84.3762b	ppb	2.3841	2.8	52.0317
B 249.678	183.390b	ppb	0.2690	0.1	1919.73
Ba 389.178	75.8450b	ppb	0.6068	0.8	1984.05
Be 313.042	79.4779b	ppb	0.0424	0.1	155771
Ca 370.602	38429b	ppb	44.40	0.1	126196
Cd 226.502	76.7658b	ppb	0.3987	0.5	2914.23
Co 228.615	127.349b	ppb	0.8602	0.7	1507.44
Cr 267.716	75.1810b	ppb	0.2705	0.4	3305.01
Cu 324.754	120971xb	ppb	1094.31	0.9	5960944
Fe 271.441	7667.46b	ppb	14.8237	0.2	13063.0
K 766.491	10950.0b	ppb	18.3742	0.2	551786
Mg 279.078	46447.1b	ppb	35.3921	0.1	96731.8
Mn 257.610	3617.33b	ppb	2.7849	0.1	833456
Mo 202.032	76.4104b	ppb	0.9602	1.3	515.790
Na 330.237	345800xb	ppb	468.216	0.1	17826.9
Ni 231.604	64547.2xb	ppb	512.307	0.8	168814
Pb 220.353	77.5420b	ppb	3.7033	4.8	132.155
Sb 206.834	79.1734b	ppb	5.7470	7.3	75.7954
Se 196.026	85.9061b	ppb	9.4806	11.0	42.0318
Sn 189.925	80.2706b	ppb	5.5056	6.9	61.2045
Sr 216.596	89.5793b	ppb	1.5756	1.8	-105.016
Ti 334.941	72.1141b	ppb	0.1262	0.2	19172.4
Tl 190.794	28.1403b	ppb	5.0287	17.9	14.2575
V 292.401	81.6360b	ppb	0.2738	0.3	2278.71
Zn 206.200	2357.89b	ppb	4.1560	0.2	2689.79

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88413-a-1-m msd (Samp) 3/27/2013, 2:14:11 AM Rack 3, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	96.5956	96.4576	95.7561
Al 308.215	822.875	821.058	826.417
As 188.980	80.3502	88.8564	80.9646
B 249.678	183.858	184.531	183.966
Ba 389.178	74.7552	75.3778	75.7153
Be 313.042	79.4079	79.2881	79.3192
Ca 370.602	38308	38184	38190
Cd 226.502	76.8517	76.9876	76.9351
Co 228.615	125.824	126.270	126.611
Cr 267.716	74.6306	75.0519	75.1033
Cu 324.754	120996x	120699x	120579x
Fe 271.441	7678.94	7662.47	7660.23
K 766.491	10927.3	10932.0	10933.9
Mg 279.078	46194.1	46142.4	46137.6
Mn 257.610	3602.42	3596.46	3590.31
Mo 202.032	76.3922	75.9967	75.8073
Na 330.237	343006x	342051x	342054x
Ni 231.604	63823.0x	65061.9x	63783.1x
Pb 220.353	74.0151	80.4775	75.7596
Sb 206.834	81.8848	77.9572	74.3713
Se 196.026	87.1400	91.5700	87.4370
Sn 189.925	81.0360	73.8253	83.6128
Sr 216.596	88.3051u	87.7196u	87.8513u
Ti 334.941	73.6133	73.6677	73.3964
Tl 190.794	18.6135	28.2211	33.0408
V 292.401	81.1148	81.7767	81.3951
Zn 206.200	2336.16	2330.28	2333.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	96.2698b	ppb	0.4502	0.5	6726.03
Al 308.215	823.450b	ppb	2.7254	0.3	5069.22
As 188.980	83.3904b	ppb	4.7437	5.7	51.4196
B 249.678	184.118b	ppb	0.3613	0.2	1926.61
Ba 389.178	75.2828b	ppb	0.4870	0.6	1969.28
Be 313.042	79.3384b	ppb	0.0622	0.1	155497
Ca 370.602	38228b	ppb	70.08	0.2	125533
Cd 226.502	76.9248b	ppb	0.0685	0.1	2920.21
Co 228.615	126.235b	ppb	0.3944	0.3	1494.40
Cr 267.716	74.9286b	ppb	0.2594	0.3	3293.85
Cu 324.754	120758xb	ppb	214.423	0.2	5950451
Fe 271.441	7667.21b	ppb	10.2182	0.1	13062.3
K 766.491	10931.1b	ppb	3.4270	0.0	550833
Mg 279.078	46158.0b	ppb	31.3281	0.1	96130.0
Mn 257.610	3596.40b	ppb	6.0577	0.2	828633
Mo 202.032	76.0654b	ppb	0.2984	0.4	513.501
Na 330.237	342370xb	ppb	551.047	0.2	17650.1
Ni 231.604	64222.6xb	ppb	727.062	1.1	167965
Pb 220.353	76.7507b	ppb	3.3433	4.4	130.844
Sb 206.834	78.0711b	ppb	3.7580	4.8	74.7684
Se 196.026	88.7157b	ppb	2.4764	2.8	43.4083
Sn 189.925	79.4914b	ppb	5.0733	6.4	60.5975
Sr 216.596	87.9587b	ppb	0.3071	0.3	-114.685
Ti 334.941	73.5591b	ppb	0.1435	0.2	19553.9
Tl 190.794	26.6251b	ppb	7.3449	27.6	13.2370
V 292.401	81.4288b	ppb	0.3322	0.4	2273.07
Zn 206.200	2333.33b	ppb	2.9479	0.1	2651.38

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88384-a-1-d (Samp) 3/27/2013, 2:19:37 AM Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5182u	0.1718	0.2478
Al 308.215	-3.9946u	-3.7555u	-3.2739u
As 188.980	2.5736	-2.0724u	2.5803
B 249.678	2.3802	1.5606	1.6543
Ba 389.178	-0.0175	-0.1623u	-0.4875u
Be 313.042	-0.0190u	-0.0195u	-0.0187u
Ca 370.602	889.4	883.6	898.4
Cd 226.502	0.1539	-0.2085u	0.0604
Co 228.615	-0.1395u	0.3406	-0.1313u
Cr 267.716	0.0052	-0.2052u	-0.1994u
Cu 324.754	8.8636	9.2545	8.4346
Fe 271.441	3.5209	3.1966	8.4664
K 766.491	214.240	215.063	215.759
Mg 279.078	252.537	247.504	249.006
Mn 257.610	0.0649	0.0146	0.0234
Mo 202.032	1.1629	-0.3264u	-0.2052u
Na 330.237	3505.00	3801.96	3877.62
Ni 231.604	3.1671	1.2277	1.1055
Pb 220.353	-0.3263u	-1.4366u	-2.2848u
Sb 206.834	0.1663	-5.7931u	4.6127
Se 196.026	-3.6683u	4.9612	8.7376
Sn 189.925	1.9370	3.5351	6.2778
Sr 216.596	4.1049	3.6642	4.1796
Ti 334.941	0.0951	0.2148	0.0646
Tl 190.794	-2.7192u	-2.3062u	2.2630
V 292.401	0.0198	0.1167	0.1407
Zn 206.200	1.7659	0.6867	1.9082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0328	ppb	0.4220	1285.1	-68.7023
Al 308.215	-3.6747	ppb	0.3671	10.0	244.075
As 188.980	1.0272	ppb	2.6843	261.3	0.2337
B 249.678	1.8650	ppb	0.4486	24.1	213.355
Ba 389.178	-0.2224	ppb	0.2407	108.2	-34.8178
Be 313.042	-0.0191	ppb	0.0004	2.0	-248.266
Ca 370.602	890.5	ppb	7.427	0.8	2930
Cd 226.502	0.0019	ppb	0.1881	9759.1	11.1600
Co 228.615	0.0233	ppb	0.2749	1181.9	12.1343
Cr 267.716	-0.1332	ppb	0.1198	90.0	-3.0971
Cu 324.754	8.8509	ppb	0.4101	4.6	546.411
Fe 271.441	5.0613	ppb	2.9534	58.4	12.2656
K 766.491	215.021	ppb	0.7605	0.4	11037.0
Mg 279.078	249.683	ppb	2.5835	1.0	545.497
Mn 257.610	0.0343	ppb	0.0269	78.4	68.0145
Mo 202.032	0.2104	ppb	0.8271	393.0	10.6071
Na 330.237	3728.19	ppb	196.959	5.3	192.402
Ni 231.604	1.8334	ppb	1.1566	63.1	7.1150
Pb 220.353	-1.3492	ppb	0.9822	72.8	1.2909
Sb 206.834	-0.3381	ppb	5.2212	1544.5	1.1424
Se 196.026	3.3435	ppb	6.3592	190.2	0.5046
Sn 189.925	3.9166	ppb	2.1954	56.1	1.7250
Sr 216.596	3.9829	ppb	0.2785	7.0	47.2454
Ti 334.941	0.1248	ppb	0.0793	63.6	-58.0861
Tl 190.794	-0.9208	ppb	2.7649	300.3	-1.8560
V 292.401	0.0924	ppb	0.0640	69.3	6.3956
Zn 206.200	1.4536	ppb	0.6680	46.0	4.6208

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

lb 680-269540/3-d (Samp) 3/27/2013, 2:25:04 AM Rack 3, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9794u	-1.2075u	0.0466
Al 308.215	-1.5775u	0.4303	-0.3281u
As 188.980	-0.0424u	-0.9166u	-0.4330u
B 249.678	26.1935	28.3365	27.2501
Ba 389.178	0.5054	1.2261	0.0854
Be 313.042	0.0106	-0.0028u	0.0093u
Ca 370.602	323.8	333.6	324.5
Cd 226.502	-0.0228u	0.2091	-0.2454u
Co 228.615	-0.0183u	-0.3971u	0.6041
Cr 267.716	0.4443	0.2971	0.4782
Cu 324.754	1.2921	1.2744	1.4877
Fe 271.441	5.9668	-1.5330u	10.0574
K 766.491	99.6470	101.206	99.9563
Mg 279.078	72.2128	74.2917	71.1633
Mn 257.610	0.1569	0.1039	0.1416
Mo 202.032	-0.0957u	-0.1651u	0.0414
Na 330.237	163987x	167920x	166942x
Ni 231.604	1.6292	1.6062	2.1821
Pb 220.353	0.4750	-2.7426u	-2.5938u
Sb 206.834	1.3401	-2.3112u	6.1846
Se 196.026	-1.5056u	-0.0791u	5.2207
Sn 189.925	-0.1379u	0.8782	2.7866
Sr 216.596	0.8615	1.6602	0.6300
Ti 334.941	0.1016	0.0527	0.0925
Tl 190.794	4.5988	-4.1109u	-1.9515u
V 292.401	0.1509	0.1794	0.1503
Zn 206.200	1.5177	2.5000	3.0976

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7134b	ppb	0.6680	93.6	-116.438
Al 308.215	-0.4918b	ppb	1.0139	206.2	262.543
As 188.980	-0.4640b	ppb	0.4379	94.4	-0.6937
B 249.678	27.2600b	ppb	1.0715	3.9	453.075
Ba 389.178	0.6056b	ppb	0.5770	95.3	-14.8622
Be 313.042	0.0057b	ppb	0.0074	130.5	-219.753
Ca 370.602	327.3b	ppb	5.444	1.7	1073
Cd 226.502	-0.0197b	ppb	0.2273	1153.7	9.4207
Co 228.615	0.0629b	ppb	0.5055	803.9	12.6146
Cr 267.716	0.4065b	ppb	0.0963	23.7	23.1436
Cu 324.754	1.3514b	ppb	0.1183	8.8	176.862
Fe 271.441	4.8304b	ppb	5.8782	121.7	11.8880
K 766.491	100.270b	ppb	0.8256	0.8	5256.68
Mg 279.078	72.5559b	ppb	1.5922	2.2	176.490
Mn 257.610	0.1341b	ppb	0.0273	20.3	89.1172
Mo 202.032	-0.0731b	ppb	0.1051	143.7	8.7251
Na 330.237	166283xb	ppb	2047.67	1.2	8582.23
Ni 231.604	1.8058b	ppb	0.3261	18.1	7.0429
Pb 220.353	-1.6205b	ppb	1.8163	112.1	0.8435
Sb 206.834	1.7378b	ppb	4.2618	245.2	3.0897
Se 196.026	1.2120b	ppb	3.5441	292.4	-0.5434
Sn 189.925	1.1756b	ppb	1.4848	126.3	-0.3508
Sr 216.596	1.0506b	ppb	0.5405	51.4	18.6455
Ti 334.941	0.0823b	ppb	0.0260	31.6	-82.2913
Tl 190.794	-0.4879b	ppb	4.5356	929.7	-1.5586
V 292.401	0.1602b	ppb	0.0166	10.4	7.0267
Zn 206.200	2.3718b	ppb	0.7977	255.8	6.0554

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88366-c-4-g (Samp) 3/27/2013, 2:30:30 AM Rack 3, Tube 12
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3526u	-0.2423u	-0.4163u
Al 308.215	4.8313	2.3607	4.3848
As 188.980	1.0422	-3.5974u	-0.5699
B 249.678	-8.4709u	-7.9438u	-8.6001u
Ba 389.178	14.8026	14.8544	15.0339
Be 313.042	-0.0294u	-0.0359u	-0.0298u
Ca 370.602	52390	52385	52298
Cd 226.502	0.8191	0.7131	0.5490
Co 228.615	1.4924	0.8193	0.6928
Cr 267.716	-0.1028u	-0.0369	-0.2549u
Cu 324.754	91.2646	91.3084	91.4682
Fe 271.441	-1.4846u	12.2544	17.8412
K 766.491	243.741	243.551	243.672
Mg 279.078	757.277	761.858	753.575
Mn 257.610	48.4069	48.4641	48.3631
Mo 202.032	0.0260	0.1239	-0.1332u
Na 330.237	161962x	162209x	162399x
Ni 231.604	1.5403	1.1442	1.8976
Pb 220.353	23.9455	25.2177	25.9412
Sb 206.834	0.7342	4.0382	3.3418
Se 196.026	11.3366	3.7834	3.7105
Sn 189.925	-0.2480u	2.6474	5.1864
Sr 216.596	77.9079	78.6720	77.1780
Ti 334.941	0.4892	0.4824	0.4361
Tl 190.794	1.4895	-3.2192u	-0.6448u
V 292.401	-0.1303u	-0.4577u	-0.3093u
Zn 206.200	417.588	416.074	418.181

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3371b	ppb	0.0880	26.1	-93.1858
Al 308.215	3.8589b	ppb	1.3166	34.1	287.903
As 188.980	-1.0417b	ppb	2.3555	226.1	-0.6118
B 249.678	-8.3383b	ppb	0.3477	4.2	117.033
Ba 389.178	14.8970b	ppb	0.1214	0.8	339.927
Be 313.042	-0.0317b	ppb	0.0037	11.5	-273.930
Ca 370.602	52357b	ppb	51.85	0.1	172654
Cd 226.502	0.6937b	ppb	0.1361	19.6	36.2786
Co 228.615	1.0015b	ppb	0.4298	42.9	23.6466
Cr 267.716	-0.1315b	ppb	0.1118	85.0	-0.2335
Cu 324.754	91.3471b	ppb	0.1072	0.1	4611.39
Fe 271.441	9.5370b	ppb	9.9453	104.3	20.0248
K 766.491	243.655b	ppb	0.0960	0.0	12479.4
Mg 279.078	757.570b	ppb	4.1491	0.5	1602.81
Mn 257.610	48.4114b	ppb	0.0506	0.1	11212.6
Mo 202.032	0.0056b	ppb	0.1298	2332.8	9.2480
Na 330.237	162190xb	ppb	219.394	0.1	8367.82
Ni 231.604	1.5273b	ppb	0.3768	24.7	6.3150
Pb 220.353	25.0348b	ppb	1.0104	4.0	44.8742
Sb 206.834	2.7047b	ppb	1.7417	64.4	3.9866
Se 196.026	6.2768b	ppb	4.3820	69.8	1.9588
Sn 189.925	2.5286b	ppb	2.7192	107.5	0.7199
Sr 216.596	77.9193b	ppb	0.7470	1.0	772.287
Ti 334.941	0.4692b	ppb	0.0289	6.2	23.3859
Tl 190.794	-0.7915b	ppb	2.3578	297.9	-1.8156
V 292.401	-0.2991b	ppb	0.1639	54.8	-5.8472
Zn 206.200	417.281b	ppb	1.0864	0.3	654.964

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Cont Calib Verif (CCV) 3/27/2013, 2:35:56 AM Rack 3, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.699	501.158	489.443
Al 308.215	4959.06	4966.08	4952.43
As 188.980	474.271	466.615	464.294
B 249.678	2460.17	2480.21	2495.21
Ba 389.178	4930.24	4944.25	4920.15
Be 313.042	491.824	492.666	489.717
Ca 370.602	4894	4898	4863
Cd 226.502	477.597	477.772	478.131
Co 228.615	493.379	494.080	493.384
Cr 267.716	4735.05	4736.93	4705.23
Cu 324.754	4734.61	4873.08	4811.09
Fe 271.441	4956.00	4963.20	4956.91
K 766.491	10205.1	10256.9	10188.5
Mg 279.078	4874.41	4864.23	4855.96
Mn 257.610	4925.33	4932.37	4917.91
Mo 202.032	485.030	484.831	479.205
Na 330.237	6785.91	7172.35	7293.49
Ni 231.604	2439.45	2439.09	2443.52
Pb 220.353	482.376	480.826	478.035
Sb 206.834	931.193	943.939	930.465
Se 196.026	4842.94	4849.05	4839.54
Sn 189.925	4991.05	4978.93	4993.22
Sr 216.596	2400.67	2394.88	2378.41
Ti 334.941	485.475	485.330	481.707
Tl 190.794	4831.08	4849.21	4825.36
V 292.401	4922.12	4932.62	4915.22
Zn 206.200	2431.49	2421.55	2422.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.766	ppb	7.2493	1.5	34901.5	99.55329
Al 308.215	4959.19	ppb	6.8264	0.1	29119.8	99.18374
As 188.980	468.393	ppb	5.2205	1.1	289.312	93.67867
B 249.678	2478.53	ppb	17.5781	0.7	23587.8	99.14127
Ba 389.178	4931.55	ppb	12.1010	0.2	121772	98.63094
Be 313.042	491.402	ppb	1.5191	0.3	964130	98.28039
Ca 370.602	4885	ppb	19.38	0.4	15969	97.70224
Cd 226.502	477.833	ppb	0.2720	0.1	17986.2	95.56667
Co 228.615	493.614	ppb	0.4033	0.1	5820.00	98.72287
Cr 267.716	4725.74	ppb	17.7826	0.4	206286	94.51474
Cu 324.754	4806.26	ppb	69.3582	1.4	236904	96.12520
Fe 271.441	4958.70	ppb	3.9220	0.1	8557.34	99.17400
K 766.491	10216.8	ppb	35.6974	0.3	514855	102.16826
Mg 279.078	4864.87	ppb	9.2374	0.2	10082.0	97.29733
Mn 257.610	4925.20	ppb	7.2325	0.1	1134442	98.50404
Mo 202.032	483.022	ppb	3.3072	0.7	3205.91	96.60444
Na 330.237	7083.92	ppb	265.092	3.7	342.080	94.45225
Ni 231.604	2440.69	ppb	2.4571	0.1	6385.62	97.62757
Pb 220.353	480.412	ppb	2.1997	0.5	796.806	96.08247
Sb 206.834	935.199	ppb	7.5778	0.8	916.209	93.51992
Se 196.026	4843.85	ppb	4.8202	0.1	2381.84	96.87691
Sn 189.925	4987.73	ppb	7.7030	0.2	3875.61	99.75470
Sr 216.596	2391.32	ppb	11.5468	0.5	23253.4	95.65279
Ti 334.941	484.170	ppb	2.1348	0.4	128108	96.83408
Tl 190.794	4835.22	ppb	12.4527	0.3	3316.84	96.70439
V 292.401	4923.32	ppb	8.7635	0.2	138087	98.46638
Zn 206.200	2425.14	ppb	5.5149	0.2	3780.48	97.00562

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Cont Calib Blank (CCB) 3/27/2013, 2:41:23 AM Rack 3, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6418u	0.2375	0.7408
Al 308.215	-4.4427u	-4.7277u	-2.8416u
As 188.980	0.8153	0.0587	0.8439
B 249.678	43.1654	38.9183	33.5022
Ba 389.178	-0.0342u	0.0869	1.0124
Be 313.042	-0.0068u	-0.0072u	-0.0066u
Ca 370.602	-3.423u	0.9238	3.973
Cd 226.502	-0.1909u	0.1198	0.1849
Co 228.615	-0.1889u	-0.3112u	-0.3005u
Cr 267.716	-0.0329u	-0.1174u	0.1171
Cu 324.754	0.1736	0.8623	0.5070
Fe 271.441	-9.3721u	0.1878	5.6996
K 766.491	0.4576	0.4550	0.1169
Mg 279.078	0.3417	0.7587	1.1608
Mn 257.610	0.0315	0.0186	0.0237
Mo 202.032	0.1965	1.2578	0.7407
Na 330.237	23.0317	-35.9959u	120.320
Ni 231.604	-1.2546u	0.5549	-0.0663u
Pb 220.353	-5.2744u	-2.4431u	-0.4912u
Sb 206.834	7.5787	4.2939	9.4749
Se 196.026	7.3015	-0.0602u	2.2991
Sn 189.925	3.2709	5.4389	6.1072
Sr 216.596	0.0540	0.0759	0.0711
Ti 334.941	0.1990	0.1540	0.1401
Tl 190.794	2.4316	-2.5329u	2.4503
V 292.401	-0.0977u	0.2064	0.2738
Zn 206.200	-0.8361u	0.3944	-0.0976u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1122	ppb	0.6998	623.9	-58.3140	0.11217
Al 308.215	-4.0040	ppb	1.0167	25.4	242.222	-4.00400
As 188.980	0.5726	ppb	0.4453	77.8	-0.0552	0.57262
B 249.678	38.5286	ppb	4.8434	12.6	559.455	38.52860
Ba 389.178	0.3550	ppb	0.5725	161.3	-21.2549	0.35504
Be 313.042	-0.0069	ppb	0.0003	4.7	-224.240	-0.00685
Ca 370.602	0.4913	ppb	3.717	756.6	-4.429	0.49127
Cd 226.502	0.0379	ppb	0.2009	529.6	12.5198	0.03793
Co 228.615	-0.2669	ppb	0.0678	25.4	8.7092	-0.26687
Cr 267.716	-0.0111	ppb	0.1187	1073.6	2.1716	-0.01106
Cu 324.754	0.5143	ppb	0.3444	67.0	135.637	0.51428
Fe 271.441	-1.1615	ppb	7.6259	656.5	1.6669	-1.16154
K 766.491	0.3431	ppb	0.1960	57.1	223.099	0.34314
Mg 279.078	0.7537	ppb	0.4096	54.3	26.9075	0.75372
Mn 257.610	0.0246	ppb	0.0065	26.2	64.3903	0.02459
Mo 202.032	0.7317	ppb	0.5307	72.5	14.0662	0.73167
Na 330.237	35.7854	ppb	78.9347	220.6	1.8433	35.78535
Ni 231.604	-0.2553	ppb	0.9194	360.1	1.6521	-0.25531
Pb 220.353	-2.7363	ppb	2.4050	87.9	-1.0004	-2.73625
Sb 206.834	7.1158	ppb	2.6213	36.8	8.0898	7.11582
Se 196.026	3.1801	ppb	3.7591	118.2	0.4243	3.18013
Sn 189.925	4.9390	ppb	1.4828	30.0	2.5182	4.93900
Sr 216.596	0.0670	ppb	0.0115	17.1	9.0287	0.06701
Ti 334.941	0.1643	ppb	0.0308	18.7	-48.4140	0.16434
Tl 190.794	0.7830	ppb	2.8717	366.8	-0.6856	0.78298
V 292.401	0.1275	ppb	0.1979	155.2	7.3156	0.12748
Zn 206.200	-0.1798	ppb	0.6194	344.5	2.0664	-0.17978

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680-88366-c-4-gSD^5 (Samp) 3/27/2013, 2:46:49 AM Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1523u	0.4295	-0.2650u
Al 308.215	-2.8795u	-1.4451u	-3.6852u
As 188.980	3.5547	-6.6270u	-0.6243u
B 249.678	4.4494	3.9937	3.1749
Ba 389.178	2.7649	1.6634	2.1709
Be 313.042	-0.0182u	-0.0268u	-0.0269u
Ca 370.602	10455	10486	10442
Cd 226.502	0.2170	0.2563	0.2843
Co 228.615	1.1209	0.5119	0.0444
Cr 267.716	-0.1755u	-0.4574u	-0.2134u
Cu 324.754	18.0475	18.6586	17.6583
Fe 271.441	-3.2295u	3.0946	8.3681
K 766.491	44.9254	44.7224	45.1750
Mg 279.078	148.587	156.066	153.433
Mn 257.610	9.7272	9.7345	9.6988
Mo 202.032	-0.1522u	-0.1634u	0.7897
Na 330.237	30745.0	30908.4	30475.1
Ni 231.604	0.0504	0.8291	-0.1357u
Pb 220.353	2.5309	4.6471	2.5550
Sb 206.834	0.3223	1.8868	1.9297
Se 196.026	6.4078	5.6331	9.3879
Sn 189.925	4.8179	4.1009	3.1085
Sr 216.596	16.0258	15.5642	16.2116
Ti 334.941	0.1753	0.1394	0.0982
Tl 190.794	0.9126	0.9479	-1.1858u
V 292.401	-0.4901u	-0.0919u	-0.7134u
Zn 206.200	84.5371	87.1926	85.9427

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0041	ppb	0.3727	9173.7	-66.5842
Al 308.215	-2.6699	ppb	1.1346	42.5	249.905
As 188.980	-1.2322	ppb	5.1180	415.3	-1.0833
B 249.678	3.8727	ppb	0.6458	16.7	232.307
Ba 389.178	2.1997	ppb	0.5513	25.1	24.7178
Be 313.042	-0.0240	ppb	0.0050	20.9	-257.679
Ca 370.602	10461	ppb	22.52	0.2	34492
Cd 226.502	0.2526	ppb	0.0338	13.4	20.4229
Co 228.615	0.5591	ppb	0.5398	96.6	18.4361
Cr 267.716	-0.2821	ppb	0.1529	54.2	-9.1158
Cu 324.754	18.1215	ppb	0.5043	2.8	1003.22
Fe 271.441	2.7444	ppb	5.8067	211.6	8.3568
K 766.491	44.9409	ppb	0.2267	0.5	2469.61
Mg 279.078	152.696	ppb	3.7934	2.5	343.293
Mn 257.610	9.7202	ppb	0.0188	0.2	2298.24
Mo 202.032	0.1580	ppb	0.5471	346.2	10.2602
Na 330.237	30709.5	ppb	218.787	0.7	1584.33
Ni 231.604	0.2480	ppb	0.5118	206.4	2.9685
Pb 220.353	3.2443	ppb	1.2149	37.4	8.8794
Sb 206.834	1.3796	ppb	0.9159	66.4	2.7465
Se 196.026	7.1429	ppb	1.9824	27.8	2.3752
Sn 189.925	4.0091	ppb	0.8584	21.4	1.8098
Sr 216.596	15.9339	ppb	0.3333	2.1	164.587
Ti 334.941	0.1376	ppb	0.0386	28.0	-57.1334
Tl 190.794	0.2249	ppb	1.2218	543.3	-1.0787
V 292.401	-0.4318	ppb	0.3148	72.9	-8.5162
Zn 206.200	85.8908	ppb	1.3285	259.5	136.679

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680-88366-c-4-gPDS (Samp) 3/27/2013, 2:52:15 AM Rack 3, Tube 16**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.9375	50.8068	50.9650
Al 308.215	1968.54	1964.37	1967.66
As 188.980	2175.26	2177.02	2164.13
B 249.678	1019.35	1027.82	1033.35
Ba 389.178	2048.80	2045.58	2048.35
Be 313.042	50.7034	50.7508	50.7391
Ca 370.602	56084	56087	56138
Cd 226.502	50.3268	50.5142	49.8096
Co 228.615	510.039	504.373	508.500
Cr 267.716	192.311	192.601	193.186
Cu 324.754	343.016	342.611	342.526
Fe 271.441	1025.09	1006.15	1015.38
K 766.491	6131.71	6106.36	6091.66
Mg 279.078	5662.91	5680.87	5669.20
Mn 257.610	553.425	553.752	554.149
Mo 202.032	498.910	499.382	502.667
Na 330.237	164513x	164174x	164790x
Ni 231.604	497.432	497.980	498.309
Pb 220.353	512.956	506.391	513.962
Sb 206.834	483.252	494.215	494.677
Se 196.026	2020.80	2063.51	2041.92
Sn 189.925	1010.52	1023.94	1029.75
Sr 216.596	577.725	578.834	581.465
Ti 334.941	977.815	978.109	980.556
Tl 190.794	1980.46	1991.16	1995.45
V 292.401	503.784	503.662	502.957
Zn 206.200	903.896	909.884	903.788

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9031b	ppb	0.0845	0.2	3495.19
Al 308.215	1966.86b	ppb	2.1942	0.1	11777.2
As 188.980	2172.14b	ppb	6.9894	0.3	1344.13
B 249.678	1026.84b	ppb	7.0532	0.7	9887.89
Ba 389.178	2047.58b	ppb	1.7469	0.1	50549.0
Be 313.042	50.7311b	ppb	0.0247	0.0	99270.6
Ca 370.602	56103b	ppb	30.25	0.1	185131
Cd 226.502	50.2169b	ppb	0.3650	0.7	1900.58
Co 228.615	507.637b	ppb	2.9298	0.6	5985.55
Cr 267.716	192.699b	ppb	0.4461	0.2	8417.28
Cu 324.754	342.718b	ppb	0.2618	0.1	17006.7
Fe 271.441	1015.54b	ppb	9.4722	0.9	1812.72
K 766.491	6109.91b	ppb	20.2608	0.3	307979
Mg 279.078	5670.99b	ppb	9.1136	0.2	11830.5
Mn 257.610	553.775b	ppb	0.3626	0.1	127635
Mo 202.032	500.320b	ppb	2.0463	0.4	3328.49
Na 330.237	164492xb	ppb	308.255	0.2	8474.80
Ni 231.604	497.907b	ppb	0.4435	0.1	1304.53
Pb 220.353	511.103b	ppb	4.1118	0.8	846.308
Sb 206.834	490.714b	ppb	6.4667	1.3	455.199
Se 196.026	2042.08b	ppb	21.3569	1.0	1003.10
Sn 189.925	1021.40b	ppb	9.8638	1.0	792.685
Sr 216.596	579.341b	ppb	1.9209	0.3	5633.70
Ti 334.941	978.826b	ppb	1.5049	0.2	259055
Tl 190.794	1989.03b	ppb	7.7194	0.4	1364.71
V 292.401	503.468b	ppb	0.4465	0.1	14066.1
Zn 206.200	905.856b	ppb	3.4887	0.4	1418.48

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680-88366-c-4-h ms (Samp) **3/27/2013, 2:57:42 AM** **Rack 3, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.2948	23.4646	23.2346
Al 308.215	798.505	799.412	796.773
As 188.980	82.8039	78.0223	81.6511
B 249.678	177.080	175.573	173.996
Ba 389.178	91.4491	90.8164	90.1167
Be 313.042	80.6116	80.7406	80.6973
Ca 370.602	50272	50380	50340
Cd 226.502	77.9910	77.9262	77.7956
Co 228.615	79.1371	80.5725	80.4436
Cr 267.716	76.7287	76.7166	76.4373
Cu 324.754	155.353	155.682	155.103
Fe 271.441	7919.56	7894.44	7882.63
K 766.491	9082.20	9046.67	9035.35
Mg 279.078	8264.81	8296.80	8298.54
Mn 257.610	846.377	847.056	846.966
Mo 202.032	77.6655	78.4135	78.0704
Na 330.237	137446x	137446x	137028x
Ni 231.604	81.6907	79.7920	80.8933
Pb 220.353	97.6118	96.0272	98.4871
Sb 206.834	84.4496	82.8993	77.1444
Se 196.026	86.9652	88.1859	78.7286
Sn 189.925	78.7425	79.5505	77.8029
Sr 216.596	140.544	140.302	141.213
Ti 334.941	78.1643	78.4425	78.5323
Tl 190.794	21.3196	19.4013	18.3477
V 292.401	80.2088	80.0382	80.3910
Zn 206.200	420.148	415.995	416.513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.3313b	ppb	0.1192	0.5	1573.10
Al 308.215	798.230b	ppb	1.3408	0.2	4922.72
As 188.980	80.8258b	ppb	2.4953	3.1	49.9338
B 249.678	175.550b	ppb	1.5424	0.9	1845.49
Ba 389.178	90.7941b	ppb	0.6665	0.7	2247.45
Be 313.042	80.6832b	ppb	0.0656	0.1	158152
Ca 370.602	50331b	ppb	54.43	0.1	165345
Cd 226.502	77.9043b	ppb	0.0995	0.1	2958.32
Co 228.615	80.0510b	ppb	0.7941	1.0	951.775
Cr 267.716	76.6275b	ppb	0.1649	0.2	3353.97
Cu 324.754	155.379b	ppb	0.2902	0.2	7770.23
Fe 271.441	7898.88b	ppb	18.8564	0.2	13449.5
K 766.491	9054.74b	ppb	24.4470	0.3	456318
Mg 279.078	8286.72b	ppb	18.9919	0.2	17276.7
Mn 257.610	846.800b	ppb	0.3690	0.0	195156
Mo 202.032	78.0498b	ppb	0.3744	0.5	526.661
Na 330.237	137307xb	ppb	241.337	0.2	7080.54
Ni 231.604	80.7920b	ppb	0.9534	1.2	213.781
Pb 220.353	97.3754b	ppb	1.2469	1.3	164.327
Sb 206.834	81.4978b	ppb	3.8490	4.7	77.9680
Se 196.026	84.6266b	ppb	5.1441	6.1	40.7253
Sn 189.925	78.6986b	ppb	0.8746	1.1	59.9170
Sr 216.596	140.686b	ppb	0.4722	0.3	1382.70
Ti 334.941	78.3797b	ppb	0.1919	0.2	20684.3
Tl 190.794	19.6896b	ppb	1.5067	7.7	11.2067
V 292.401	80.2127b	ppb	0.1765	0.2	2239.51
Zn 206.200	417.552b	ppb	2.2630	0.5	655.148

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680-88366-c-4-i msd (Samp) 3/27/2013, 3:03:08 AM Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	24.3457	24.3866	24.4453
Al 308.215	794.684	792.335	793.244
As 188.980	80.7972	83.5846	71.6959
B 249.678	159.996	158.935	161.348
Ba 389.178	89.7946	90.2465	88.6122
Be 313.042	80.1335	80.1880	80.3952
Ca 370.602	50073	50189	50302
Cd 226.502	77.6199	77.2017	77.4197
Co 228.615	78.9070	79.6000	79.0626
Cr 267.716	76.1905	76.7419	76.7875
Cu 324.754	154.987	154.944	155.088
Fe 271.441	7852.82	7835.66	7850.39
K 766.491	8995.19	8979.60	8983.10
Mg 279.078	8226.43	8238.88	8239.90
Mn 257.610	850.491	849.679	851.429
Mo 202.032	76.7016	77.1153	76.7953
Na 330.237	136828x	136987x	136730x
Ni 231.604	79.8669	79.3794	81.1222
Pb 220.353	95.5889	93.1907	100.013
Sb 206.834	77.8211	73.6612	78.2037
Se 196.026	86.5985	85.6530	81.2144
Sn 189.925	79.0572	77.2123	75.4937
Sr 216.596	140.278	140.731	140.617
Ti 334.941	77.8561	77.8326	78.1935
Tl 190.794	16.0204	17.4814	19.1430
V 292.401	79.6065	79.7864	80.1256
Zn 206.200	413.828	413.354	408.307

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.3925b	ppb	0.0501	0.2	1647.82
Al 308.215	793.421b	ppb	1.1844	0.1	4894.47
As 188.980	78.6926b	ppb	6.2175	7.9	48.6125
B 249.678	160.093b	ppb	1.2094	0.8	1699.63
Ba 389.178	89.5511b	ppb	0.8439	0.9	2216.50
Be 313.042	80.2389b	ppb	0.1381	0.2	157281
Ca 370.602	50188b	ppb	114.4	0.2	164879
Cd 226.502	77.4138b	ppb	0.2092	0.3	2939.76
Co 228.615	79.1899b	ppb	0.3636	0.5	941.699
Cr 267.716	76.5733b	ppb	0.3323	0.4	3351.60
Cu 324.754	155.006b	ppb	0.0743	0.0	7751.78
Fe 271.441	7846.29b	ppb	9.2849	0.1	13360.1
K 766.491	8985.96b	ppb	8.1807	0.1	452853
Mg 279.078	8235.07b	ppb	7.5043	0.1	17169.1
Mn 257.610	850.533b	ppb	0.8758	0.1	196015
Mo 202.032	76.8707b	ppb	0.2169	0.3	518.839
Na 330.237	136849xb	ppb	129.612	0.1	7056.98
Ni 231.604	80.1228b	ppb	0.8992	1.1	212.029
Pb 220.353	96.2642b	ppb	3.4609	3.6	162.496
Sb 206.834	76.5620b	ppb	2.5194	3.3	73.3790
Se 196.026	84.4887b	ppb	2.8747	3.4	40.6581
Sn 189.925	77.2544b	ppb	1.7821	2.3	58.7942
Sr 216.596	140.542b	ppb	0.2352	0.2	1381.32
Ti 334.941	77.9607b	ppb	0.2019	0.3	20573.1
Tl 190.794	17.5483b	ppb	1.5623	8.9	9.7342
V 292.401	79.8395b	ppb	0.2636	0.3	2229.39
Zn 206.200	411.830b	ppb	3.0599	0.7	646.200

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

mb 680-270591/1-a (Samp) 3/27/2013, 3:08:34 AM Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1134u	-0.4969u	-0.4318u
Al 308.215	-5.6110u	-3.1484u	-1.5858u
As 188.980	-2.6932u	1.8405	-5.2208u
B 249.678	-4.2202u	-5.1183u	-5.2520u
Ba 389.178	0.1307	0.8356	-0.0059u
Be 313.042	-0.0116u	-0.0091u	-0.0050u
Ca 370.602	-0.1935u	0.7395	-0.4772u
Cd 226.502	-0.1973u	0.1779	-0.1054u
Co 228.615	-0.3196u	0.1304	-0.0563u
Cr 267.716	-0.1551u	0.2241	-0.0995u
Cu 324.754	0.4521	0.4691	0.7740
Fe 271.441	3.1409	5.3795	-5.3163u
K 766.491	1.6233	1.5196	1.1079
Mg 279.078	-0.0264u	-3.2472u	-4.2969u
Mn 257.610	0.1081	0.1498	0.0769
Mo 202.032	0.0479	0.0375	0.2825
Na 330.237	-76.0278u	-0.4034u	144.407
Ni 231.604	1.7967	0.5677	1.9987
Pb 220.353	-2.9285u	-1.2196u	-2.6823u
Sb 206.834	-2.9336u	-3.1915u	-2.6450u
Se 196.026	4.7612	-3.9959u	2.2237
Sn 189.925	2.1275	-1.1224u	-1.3071u
Sr 216.596	0.0311	0.0861	-0.7767u
Ti 334.941	0.0149	0.0166	-0.0078u
Tl 190.794	4.2459	-2.0737u	4.6097
V 292.401	-0.2225u	0.0619	-0.0037u
Zn 206.200	-1.7387u	0.2869	1.0327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6807	ppb	0.3761	55.3	-114.110
Al 308.215	-3.4484	ppb	2.0293	58.8	245.367
As 188.980	-2.0245	ppb	3.5778	176.7	-1.6622
B 249.678	-4.8635	ppb	0.5611	11.5	149.844
Ba 389.178	0.3201	ppb	0.4516	141.1	-22.1307
Be 313.042	-0.0086	ppb	0.0034	39.2	-227.463
Ca 370.602	0.0229	ppb	0.6366	2776.2	-5.979
Cd 226.502	-0.0416	ppb	0.1955	470.5	9.5312
Co 228.615	-0.0818	ppb	0.2261	276.3	10.9041
Cr 267.716	-0.0101	ppb	0.2048	2020.2	2.2132
Cu 324.754	0.5651	ppb	0.1811	32.1	138.121
Fe 271.441	1.0680	ppb	5.6411	528.2	5.4443
K 766.491	1.4169	ppb	0.2726	19.2	277.189
Mg 279.078	-2.5235	ppb	2.2253	88.2	20.0786
Mn 257.610	0.1116	ppb	0.0366	32.8	84.4104
Mo 202.032	0.1226	ppb	0.1385	113.0	10.0248
Na 330.237	22.6586	ppb	112.012	494.3	1.1627
Ni 231.604	1.4544	ppb	0.7745	53.3	6.1236
Pb 220.353	-2.2768	ppb	0.9238	40.6	-0.2405
Sb 206.834	-2.9234	ppb	0.2734	9.4	-1.2660
Se 196.026	0.9963	ppb	4.5057	452.2	-0.6495
Sn 189.925	-0.1006	ppb	1.9319	1919.9	-1.3991
Sr 216.596	-0.2198	ppb	0.4830	219.7	6.2303
Ti 334.941	0.0079	ppb	0.0137	172.4	-89.8347
Tl 190.794	2.2606	ppb	3.7580	166.2	0.3295
V 292.401	-0.0547	ppb	0.1489	272.0	2.3207
Zn 206.200	-0.1397	ppb	1.4341	1036.5	8.21288

lcs 680-270591/2-a (Samp) 3/27/2013, 3:14:00 AM Rack 3, Tube 20
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.0857	10.7145	9.7265
Al 308.215	193.542	192.162	196.848
As 188.980	20.9444	15.2603	21.1154
B 249.678	88.1026	89.3371	91.0523
Ba 389.178	10.3114	11.1607	10.0507
Be 313.042	4.0775	4.0960	4.1310
Ca 370.602	487.9	495.9	495.3
Cd 226.502	4.8782	4.9571	4.9251
Co 228.615	10.8533	10.6056	10.1230
Cr 267.716	9.4601	9.4769	9.8016
Cu 324.754	20.0126	19.2034	21.3498
Fe 271.441	22.8605	28.6200	34.8304
K 766.491	1049.70	1054.00	1064.59
Mg 279.078	509.642	508.219	516.687
Mn 257.610	10.3779	10.4967	10.4569
Mo 202.032	8.3428	8.7695	8.9034
Na 330.237	893.002	904.870	1063.22
Ni 231.604	40.6228	41.2922	41.5723
Pb 220.353	6.5927	9.9356	9.9208
Sb 206.834	20.2394	12.4940	24.0943
Se 196.026	25.3382	32.5394	19.9331
Sn 189.925	18.8338	23.6150	27.4988
Sr 216.596	10.1571	10.2425	10.4048
Ti 334.941	9.0934	9.1431	9.3213
Tl 190.794	18.4600	24.5875	21.1538
V 292.401	10.3760	10.7043	10.5392
Zn 206.200	22.0713	19.3352	19.3943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1756	ppb	0.5001	4.9	649.410
Al 308.215	194.184	ppb	2.4079	1.2	1397.14
As 188.980	19.1067	ppb	3.3322	17.4	11.4163
B 249.678	89.4973	ppb	1.4813	1.7	1040.56
Ba 389.178	10.5076	ppb	0.5804	5.5	230.961
Be 313.042	4.1015	ppb	0.0272	0.7	7838.59
Ca 370.602	493.0	ppb	4.416	0.9	1620
Cd 226.502	4.9201	ppb	0.0397	0.8	196.125
Co 228.615	10.5273	ppb	0.3714	3.5	135.528
Cr 267.716	9.5795	ppb	0.1925	2.0	420.809
Cu 324.754	20.1886	ppb	1.0840	5.4	1105.20
Fe 271.441	28.7703	ppb	5.9863	20.8	54.2213
K 766.491	1056.09	ppb	7.6640	0.7	53404.2
Mg 279.078	511.516	ppb	4.5345	0.9	1090.75
Mn 257.610	10.4438	ppb	0.0605	0.6	2467.02
Mo 202.032	8.6719	ppb	0.2928	3.4	66.7396
Na 330.237	953.697	ppb	95.0341	10.0	48.9805
Ni 231.604	41.1624	ppb	0.4879	1.2	109.974
Pb 220.353	8.8164	ppb	1.9258	21.8	18.0588
Sb 206.834	18.9426	ppb	5.9079	31.2	19.1468
Se 196.026	25.9369	ppb	6.3244	24.4	11.6166
Sn 189.925	23.3159	ppb	4.3402	18.6	16.8029
Sr 216.596	10.2682	ppb	0.1258	1.2	107.571
Ti 334.941	9.1860	ppb	0.1198	1.3	2342.10
Tl 190.794	21.4004	ppb	3.0712	14.4	13.4706
V 292.401	10.5398	ppb	0.1642	1.6	298.152
Zn 206.200	20.2670	ppb	1.5629	7.7	34.0147

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ics 680-270591/3-a (Samp) 3/27/2013, 3:19:37 AM Rack 3, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	16.3961	16.5135	15.8320
Al 308.215	1982.84	1970.54	1966.76
As 188.980	35.0905	35.8118	39.4831
B 249.678	72.2311	71.3929	74.0214
Ba 389.178	41.3385	42.7166	41.0285
Be 313.042	20.8526	20.7040	20.6657
Ca 370.602	1974	1959	1960
Cd 226.502	20.5067	20.3922	20.1210
Co 228.615	21.3818	21.1321	20.6131
Cr 267.716	39.6811	39.2208	39.4386
Cu 324.754	42.6257	40.4225	41.0555
Fe 271.441	2064.67	2046.83	2051.22
K 766.491	2097.83	2087.94	2089.94
Mg 279.078	2034.48	2019.31	2024.23
Mn 257.610	209.731	208.239	207.888
Mo 202.032	39.3752	40.4297	38.9593
Na 330.237	1828.25	1988.18	2084.36
Ni 231.604	41.1899	41.2182	40.5813
Pb 220.353	20.5952	17.9595	19.0876
Sb 206.834	24.6220	20.2494	13.3896
Se 196.026	45.6109	46.1526	40.4811
Sn 189.925	79.9342	84.3691	78.2341
Sr 216.596	40.5872	40.5843	40.1330
Ti 334.941	40.1510	39.8024	39.8319
Tl 190.794	16.9426	10.3012	15.8296
V 292.401	41.4092	40.6384	41.1549
Zn 206.200	41.0154	42.0331	38.8763

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.2472	ppb	0.3643	2.2	1076.27
Al 308.215	1973.38	ppb	8.4103	0.4	11761.2
As 188.980	36.7951	ppb	2.3556	6.4	22.3461
B 249.678	72.5484	ppb	1.3427	1.9	878.666
Ba 389.178	41.6945	ppb	0.8986	2.2	1008.52
Be 313.042	20.7408	ppb	0.0987	0.5	40495.3
Ca 370.602	1964	ppb	8.145	0.4	6313
Cd 226.502	20.3400	ppb	0.1981	1.0	780.760
Co 228.615	21.0423	ppb	0.3921	1.9	258.826
Cr 267.716	39.4469	ppb	0.2302	0.6	1725.60
Cu 324.754	41.3679	ppb	1.1344	2.7	2149.95
Fe 271.441	2054.24	ppb	9.2949	0.5	3500.69
K 766.491	2091.90	ppb	5.2270	0.2	105581
Mg 279.078	2026.01	ppb	7.7394	0.4	4242.58
Mn 257.610	208.619	ppb	0.9786	0.5	48123.5
Mo 202.032	39.5881	ppb	0.7580	1.9	271.758
Na 330.237	1966.93	ppb	129.370	6.6	100.272
Ni 231.604	40.9965	ppb	0.3598	0.9	109.582
Pb 220.353	19.2141	ppb	1.3224	6.9	35.1790
Sb 206.834	19.4204	ppb	5.6619	29.2	19.6482
Se 196.026	44.0815	ppb	3.1298	7.1	20.5987
Sn 189.925	80.8458	ppb	3.1674	3.9	61.5213
Sr 216.596	40.4349	ppb	0.2614	0.6	401.327
Ti 334.941	39.9284	ppb	0.1933	0.5	10487.5
Tl 190.794	14.3578	ppb	3.5569	24.8	8.3674
V 292.401	41.0675	ppb	0.3927	1.0	1149.11
Zn 206.200	40.6416	ppb	1.6113	4.0	65.7871

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Ics 680-270591/4-a (Samp) 3/27/2013, 3:25:05 AM Rack 3, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	81.5950	81.7237	80.6838
Al 308.215	782.044	777.806	794.655
As 188.980	90.4305	87.2051	88.0727
B 249.678	149.999	150.548	150.339
Ba 389.178	80.4139	80.1690	80.4728
Be 313.042	81.2019	80.8484	81.1840
Ca 370.602	7854	7815	7858
Cd 226.502	78.7451	78.2161	78.7521
Co 228.615	82.4478	80.5230	80.8704
Cr 267.716	78.7259	78.1482	78.3934
Cu 324.754	80.6065	80.1142	82.0360
Fe 271.441	8386.86	8347.40	8394.95
K 766.491	8452.00	8429.62	8486.24
Mg 279.078	8025.26	7976.45	8003.85
Mn 257.610	819.162	815.164	818.611
Mo 202.032	77.8846	78.9259	78.6333
Na 330.237	7315.00	7042.33	7046.44
Ni 231.604	78.2640	77.9257	80.5291
Pb 220.353	80.0432	80.3060	80.5271
Sb 206.834	75.6805	79.6919	73.8214
Se 196.026	82.8614	82.3940	79.4001
Sn 189.925	80.6970	77.5590	84.3980
Sr 216.596	85.0481	84.7616	82.9935
Ti 334.941	79.4074	78.6454	79.1362
Tl 190.794	25.8424	21.1414	17.4757
V 292.401	81.8750	81.5168	82.1190
Zn 206.200	77.5854	74.0870	75.3901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	81.3341	ppb	0.5669	0.7	5656.58
Al 308.215	784.835	ppb	8.7642	1.1	4844.67
As 188.980	88.5695	ppb	1.6691	1.9	54.3610
B 249.678	150.295	ppb	0.2769	0.2	1606.64
Ba 389.178	80.3519	ppb	0.1611	0.2	1989.53
Be 313.042	81.0781	ppb	0.1991	0.2	158928
Ca 370.602	7842	ppb	23.68	0.3	25190
Cd 226.502	78.5711	ppb	0.3074	0.4	2985.32
Co 228.615	81.2804	ppb	1.0258	1.3	966.214
Cr 267.716	78.4225	ppb	0.2899	0.4	3430.16
Cu 324.754	80.9189	ppb	0.9983	1.2	4101.32
Fe 271.441	8376.40	ppb	25.4432	0.3	14261.8
K 766.491	8455.95	ppb	28.5200	0.3	426155
Mg 279.078	8001.85	ppb	24.4649	0.3	16683.8
Mn 257.610	817.646	ppb	2.1669	0.3	188441
Mo 202.032	78.4813	ppb	0.5370	0.7	529.499
Na 330.237	7134.59	ppb	156.251	2.2	364.509
Ni 231.604	78.9062	ppb	1.4156	1.8	208.859
Pb 220.353	80.2921	ppb	0.2423	0.3	136.108
Sb 206.834	76.3979	ppb	3.0003	3.9	73.2399
Se 196.026	81.5518	ppb	1.8781	2.3	39.2092
Sn 189.925	80.8846	ppb	3.4234	4.2	61.5555
Sr 216.596	84.2677	ppb	1.1128	1.3	829.362
Ti 334.941	79.0630	ppb	0.3862	0.5	20873.7
Tl 190.794	21.4865	ppb	4.1941	19.5	12.4541
V 292.401	81.8370	ppb	0.3029	0.4	2286.20
Zn 206.200	75.6875	ppb	1.7681	2.3	129.477

480-34565-g-1-d (Samp) 3/27/2013, 3:30:31 AM Rack 3, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4325u	-0.2521u	-0.5320u
Al 308.215	-0.0889u	-1.5391u	-1.6186u
As 188.980	-5.1942u	-6.9839u	1.8505
B 249.678	14.0633	9.9703	13.4576
Ba 389.178	194.366	187.152	192.732
Be 313.042	-0.0297u	-0.0272u	-0.0209u
Ca 370.602	63613	61562	63350
Cd 226.502	0.1411	-0.1356u	-0.0283u
Co 228.615	-0.1670u	-0.0084u	0.0982
Cr 267.716	-0.0261	-0.0515u	0.1682
Cu 324.754	0.3708	0.5887	0.5532
Fe 271.441	15.3530	12.6609	12.9747
K 766.491	1717.39	1667.31	1718.10
Mg 279.078	8523.75	8221.90	8498.61
Mn 257.610	0.6118	0.5912	0.6319
Mo 202.032	0.0171	-0.2532u	0.2251
Na 330.237	74032.9	72037.6	74233.5
Ni 231.604	0.4940	0.3005	0.9054
Pb 220.353	-1.7178u	-0.8942u	-2.9704u
Sb 206.834	8.9269	-0.1241u	-2.4110u
Se 196.026	-6.0261u	9.8829	4.4771
Sn 189.925	2.8361	-2.1446u	-4.7214u
Sr 216.596	127.821	122.898	126.677
Ti 334.941	0.0571	0.0252	0.0953
Tl 190.794	-3.1672u	0.3006	-2.3321u
V 292.401	-0.8891u	-1.1149u	-1.0819u
Zn 206.200	0.6525	0.6072	1.1738

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4055	ppb	0.1419	35.0	-100.406
Al 308.215	-1.0822	ppb	0.8611	79.6	259.106
As 188.980	-3.4426	ppb	4.6704	135.7	-2.0095
B 249.678	12.4971	ppb	2.2091	17.7	313.714
Ba 389.178	191.417	ppb	3.7826	2.0	4719.80
Be 313.042	-0.0259	ppb	0.0046	17.6	-248.314
Ca 370.602	62842	ppb	1116	1.8	207226
Cd 226.502	-0.0076	ppb	0.1395	1837.2	10.5264
Co 228.615	-0.0257	ppb	0.1334	518.4	11.5819
Cr 267.716	0.0302	ppb	0.1202	398.1	5.1975
Cu 324.754	0.5042	ppb	0.1169	23.2	135.126
Fe 271.441	13.6629	ppb	1.4721	10.8	26.8122
K 766.491	1700.94	ppb	29.1210	1.7	85886.6
Mg 279.078	8414.75	ppb	167.489	2.0	17555.6
Mn 257.610	0.6116	ppb	0.0203	3.3	246.915
Mo 202.032	-0.0037	ppb	0.2398	6526.3	9.1877
Na 330.237	73434.7	ppb	1214.05	1.7	3790.11
Ni 231.604	0.5666	ppb	0.3089	54.5	3.8021
Pb 220.353	-1.8608	ppb	1.0455	56.2	0.4471
Sb 206.834	2.1306	ppb	5.9958	281.4	3.4544
Se 196.026	2.7780	ppb	8.0895	291.2	0.2268
Sn 189.925	-1.3433	ppb	3.8420	286.0	-2.3156
Sr 216.596	125.799	ppb	2.5760	2.0	1239.72
Ti 334.941	0.0592	ppb	0.0351	59.2	-45.8322
Tl 190.794	-1.7329	ppb	1.8099	104.4	-2.4153
V 292.401	-1.0286	ppb	0.1220	11.9	-25.4855
Zn 206.200	0.8111	ppb	0.3149	38.8	2.6158

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

480-34565-g-1-dSD^5 (Samp) **3/27/2013, 3:35:57 AM** **Rack 3, Tube 24****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3961u	-0.1641u	0.3030
Al 308.215	0.8066	-0.2024u	-3.0879u
As 188.980	-3.8583u	-7.2420u	-3.3174u
B 249.678	-9.2055u	-8.0115u	-8.1107u
Ba 389.178	38.3798	37.8038	39.0475
Be 313.042	-0.0231u	-0.0173u	-0.0134u
Ca 370.602	12752	12739	12702
Cd 226.502	-0.2610u	0.0955	0.0879
Co 228.615	0.7313	0.6373	0.6900
Cr 267.716	-0.1469u	-0.1531u	-0.0444u
Cu 324.754	0.0235	-0.2950u	0.0705
Fe 271.441	1.4870	2.7991	-4.2648u
K 766.491	325.646	325.347	325.622
Mg 279.078	1724.98	1730.99	1726.73
Mn 257.610	0.1384	0.1198	0.1728
Mo 202.032	0.3988	-0.0635u	-0.1114u
Na 330.237	14431.2	14293.0	14165.5
Ni 231.604	-1.7981u	0.8043	-1.2449u
Pb 220.353	2.7533	-2.3269u	-0.3204u
Sb 206.834	0.3126	-0.3943u	-0.5973u
Se 196.026	0.9540	2.3277	1.9341
Sn 189.925	-3.4982u	-2.4185u	1.4686
Sr 216.596	25.0931	25.2270	25.6048
Ti 334.941	-0.0006	0.0803	0.0490
Tl 190.794	-4.0112u	9.1789	-1.6088u
V 292.401	-0.5350u	-0.5460u	-0.3481u
Zn 206.200	-0.0868u	-0.4131u	-0.2301u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0857	ppb	0.3561	415.4	-73.4065
Al 308.215	-0.8279	ppb	2.0212	244.1	260.618
As 188.980	-4.8059	ppb	2.1270	44.3	-3.2760
B 249.678	-8.4426	ppb	0.6626	7.8	116.056
Ba 389.178	38.4104	ppb	0.6224	1.6	923.200
Be 313.042	-0.0179	ppb	0.0049	27.2	-243.111
Ca 370.602	12731	ppb	25.72	0.2	41976
Cd 226.502	-0.0259	ppb	0.2037	787.8	10.0689
Co 228.615	0.6862	ppb	0.0471	6.9	19.9339
Cr 267.716	-0.1148	ppb	0.0610	53.2	-2.1175
Cu 324.754	-0.0670	ppb	0.1988	296.7	106.977
Fe 271.441	0.0071	ppb	3.7573	52971.5	3.6974
K 766.491	325.538	ppb	0.1666	0.1	16604.1
Mg 279.078	1727.57	ppb	3.0901	0.2	3624.35
Mn 257.610	0.1437	ppb	0.0269	18.7	101.533
Mo 202.032	0.0747	ppb	0.2818	377.4	9.7070
Na 330.237	14296.6	ppb	132.874	0.9	737.870
Ni 231.604	-0.7462	ppb	1.3710	183.7	0.3683
Pb 220.353	0.0354	ppb	2.5587	7236.8	3.5779
Sb 206.834	-0.2263	ppb	0.4777	211.1	1.2495
Se 196.026	1.7386	ppb	0.7074	40.7	-0.2845
Sn 189.925	-1.4827	ppb	2.6123	176.2	-2.4636
Sr 216.596	25.3083	ppb	0.2654	1.0	256.139
Ti 334.941	0.0429	ppb	0.0408	95.0	-74.2481
Tl 190.794	1.1863	ppb	7.0253	592.2	-0.4086
V 292.401	-0.4763	ppb	0.1112	23.3	-9.5998
Zn 206.200	-0.2433	ppb	0.1636	67.2	-1.9672

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Cont Calib Verif (CCV) 3/27/2013, 3:41:24 AM Rack 3, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	495.392	498.608	489.820
Al 308.215	4954.93	4948.91	4947.09
As 188.980	459.411	464.336	454.050
B 249.678	2450.69	2475.56	2492.63
Ba 389.178	4934.83	4927.53	4919.21
Be 313.042	491.383	490.380	490.246
Ca 370.602	4889	4872	4869
Cd 226.502	476.836	476.684	476.967
Co 228.615	492.154	492.257	491.703
Cr 267.716	4737.34	4723.04	4720.34
Cu 324.754	4846.41	4921.55	4832.70
Fe 271.441	4940.09	4929.95	4937.58
K 766.491	10179.6	10144.7	10099.3
Mg 279.078	4852.70	4841.30	4850.16
Mn 257.610	4921.88	4920.59	4913.56
Mo 202.032	478.372	475.993	475.690
Na 330.237	7474.27	7251.80	7400.53
Ni 231.604	2442.43	2436.18	2439.39
Pb 220.353	479.268	477.236	479.502
Sb 206.834	918.450	923.936	922.391
Se 196.026	4828.83	4801.43	4809.29
Sn 189.925	4997.42	4902.60	4921.77
Sr 216.596	2398.43	2389.17	2387.47
Ti 334.941	483.471	480.907	479.897
Tl 190.794	4837.76	4829.83	4806.44
V 292.401	4912.35	4911.93	4902.31
Zn 206.200	2434.35	2431.34	2423.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.607	ppb	4.4463	0.9	34679.4	98.92134
Al 308.215	4950.31	ppb	4.1010	0.1	29067.5	99.00617
As 188.980	459.266	ppb	5.1441	1.1	283.665	91.85315
B 249.678	2472.96	ppb	21.0912	0.9	23535.3	98.91843
Ba 389.178	4927.19	ppb	7.8145	0.2	121665	98.54379
Be 313.042	490.670	ppb	0.6215	0.1	962695	98.13396
Ca 370.602	4877	ppb	10.87	0.2	15942	97.53526
Cd 226.502	476.829	ppb	0.1414	0.0	17948.3	95.36580
Co 228.615	492.038	ppb	0.2945	0.1	5801.66	98.40760
Cr 267.716	4726.91	ppb	9.1357	0.2	206337	94.53816
Cu 324.754	4866.89	ppb	47.8320	1.0	239892	97.33775
Fe 271.441	4935.87	ppb	5.2808	0.1	8518.36	98.71743
K 766.491	10141.2	ppb	40.2255	0.4	511046	101.41210
Mg 279.078	4848.05	ppb	5.9819	0.1	10047.1	96.96109
Mn 257.610	4918.68	ppb	4.4792	0.1	1132939	98.37356
Mo 202.032	476.685	ppb	1.4690	0.3	3163.88	95.33700
Na 330.237	7375.53	ppb	113.325	1.5	357.125	98.34045
Ni 231.604	2439.34	ppb	3.1274	0.1	6382.08	97.57344
Pb 220.353	478.668	ppb	1.2465	0.3	793.936	95.73370
Sb 206.834	921.592	ppb	2.8290	0.3	903.540	92.15922
Se 196.026	4813.18	ppb	14.1096	0.3	2366.76	96.26369
Sn 189.925	4940.60	ppb	50.1353	1.0	3838.97	98.81199
Sr 216.596	2391.69	ppb	5.8974	0.2	23257.3	95.66754
Ti 334.941	481.425	ppb	1.8426	0.4	127381	96.28493
Tl 190.794	4824.68	ppb	16.2800	0.3	3309.60	96.49352
V 292.401	4908.86	ppb	5.6780	0.1	137681	98.17719
Zn 206.200	2429.72	ppb	5.6163	0.2	2787.66	97.18893

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Cont Calib Blank (CCB) 3/27/2013, 3:46:50 AM Rack 3, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5975u	0.2540	0.3335
Al 308.215	-2.3005u	-4.6943u	-4.4510u
As 188.980	-5.9715u	-1.2015u	4.3041
B 249.678	43.8534	39.5330	34.3549
Ba 389.178	-0.4674u	-0.7040u	-0.1764u
Be 313.042	-0.0091u	-0.0005u	-0.0032u
Ca 370.602	-1.491u	-0.0381	3.890
Cd 226.502	-0.0260u	-0.2040u	-0.1560u
Co 228.615	0.5062	0.2953	0.7918
Cr 267.716	-0.0208u	0.1319	-0.0347u
Cu 324.754	-0.0336u	0.5803	-0.3465u
Fe 271.441	4.8269	-5.3459u	-4.7285u
K 766.491	-0.0270u	1.1832	0.4221
Mg 279.078	-2.9956u	0.2913	-3.6434u
Mn 257.610	0.0824	0.0891	0.1271
Mo 202.032	0.5055	0.9795	0.4889
Na 330.237	26.9456	-0.5984u	125.846
Ni 231.604	0.1725	0.4371	0.3136
Pb 220.353	-0.9790u	0.4192	0.7400
Sb 206.834	7.8472	6.1413	4.2378
Se 196.026	3.4359	5.7964	-2.2531u
Sn 189.925	4.2409	5.3824	0.0399
Sr 216.596	0.2689	0.3523	-0.5725u
Ti 334.941	0.1257	0.1244	0.1107
Tl 190.794	0.5511	-1.0786u	3.2982
V 292.401	0.1934	0.0877	0.0767
Zn 206.200	-1.7799u	0.5881	0.4831

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0033	ppb	0.5161	15530.3	-66.4508	-0.00332
Al 308.215	-3.8153	ppb	1.3175	34.5	243.273	-3.81529
As 188.980	-0.9563	ppb	5.1422	537.7	-1.0012	-0.95631
B 249.678	39.2471	ppb	4.7557	12.1	566.237	39.24711
Ba 389.178	-0.4493	ppb	0.2642	58.8	-41.1239	-0.44926
Be 313.042	-0.0043	ppb	0.0044	103.2	-219.131	-0.00428
Ca 370.602	0.7872	ppb	2.784	353.7	-3.451	0.78720
Cd 226.502	-0.1286	ppb	0.0921	71.6	6.2576	-0.12865
Co 228.615	0.5311	ppb	0.2492	46.9	18.0959	0.53111
Cr 267.716	0.0254	ppb	0.0925	363.5	3.7661	0.02543
Cu 324.754	0.0667	ppb	0.4715	706.7	113.573	0.06673
Fe 271.441	-1.7492	ppb	5.7034	326.1	0.7259	-1.74917
K 766.491	0.5261	ppb	0.6118	116.3	232.315	0.52609
Mg 279.078	-2.1159	ppb	2.1097	99.7	20.9280	-2.11590
Mn 257.610	0.0996	ppb	0.0241	24.2	81.6383	0.09955
Mo 202.032	0.6579	ppb	0.2786	42.3	13.5768	0.65792
Na 330.237	50.7309	ppb	66.4931	131.1	2.6138	50.73094
Ni 231.604	0.3077	ppb	0.1324	43.0	3.1247	0.30774
Pb 220.353	0.0601	ppb	0.9140	1521.4	3.6181	0.06008
Sb 206.834	6.0754	ppb	1.8056	29.7	7.1252	6.07544
Se 196.026	2.3264	ppb	4.1379	177.9	0.0045	2.32642
Sn 189.925	3.2211	ppb	2.8135	87.3	1.1828	3.22109
Sr 216.596	0.0162	ppb	0.5115	3150.3	8.5386	0.01624
Ti 334.941	0.1203	ppb	0.0083	6.9	-60.0955	0.12025
Tl 190.794	0.9236	ppb	2.2121	239.5	-0.5889	0.92358
V 292.401	0.1193	ppb	0.0644	54.0	7.1464	0.11928
Zn 206.200	-0.2362	ppb	1.3379	566.3	8.19776	-0.23623

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480-34565-g-1-dPDS (Samp) **3/27/2013, 3:52:17 AM** **Rack 3, Tube 27****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.8367	50.9712	50.8018
Al 308.215	1970.38	1968.26	1966.36
As 188.980	2174.25	2177.54	2166.78
B 249.678	1051.57	1058.45	1063.49
Ba 389.178	2236.91	2233.58	2233.65
Be 313.042	50.6560	50.5191	50.5538
Ca 370.602	67673	67672	67826
Cd 226.502	49.6642	49.1729	49.5861
Co 228.615	511.698	505.682	509.462
Cr 267.716	194.205	194.378	194.412
Cu 324.754	251.693	250.124	249.904
Fe 271.441	1022.22	1026.75	1022.66
K 766.491	7487.48	7463.08	7447.56
Mg 279.078	13493.7	13511.5	13526.1
Mn 257.610	510.781	509.864	510.440
Mo 202.032	497.354	496.426	498.671
Na 330.237	78378.9	78129.3	78226.8
Ni 231.604	498.868	494.071	495.235
Pb 220.353	491.905	491.966	495.669
Sb 206.834	488.362	499.093	500.334
Se 196.026	2031.45	2037.27	2017.93
Sn 189.925	1018.74	1028.83	1018.17
Sr 216.596	631.433	631.621	633.374
Ti 334.941	978.013	977.908	979.387
Tl 190.794	2012.79	2019.49	2036.05
V 292.401	503.174	501.931	502.511
Zn 206.200	496.674	498.600	497.030

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2032	ppb	0.5551	1.1	3513.88
Al 308.215	1968.33	ppb	2.0082	0.1	11785.3
As 188.980	2172.86	ppb	5.5135	0.3	1344.67
B 249.678	1057.83	ppb	5.9814	0.6	10180.5
Ba 389.178	2234.72	ppb	1.9019	0.1	55191.5
Be 313.042	50.5763	ppb	0.0711	0.1	98981.6
Ca 370.602	67723	ppb	88.52	0.1	223448
Cd 226.502	49.4744	ppb	0.2640	0.5	1873.30
Co 228.615	508.947	ppb	3.0408	0.6	6000.96
Cr 267.716	194.332	ppb	0.1113	0.1	8486.97
Cu 324.754	250.574	ppb	0.9758	0.4	12466.2
Fe 271.441	1023.88	ppb	2.5003	0.2	1827.49
K 766.491	7466.04	ppb	20.1200	0.3	376291
Mg 279.078	13510.4	ppb	16.2166	0.1	28163.0
Mn 257.610	510.362	ppb	0.4640	0.1	117681
Mo 202.032	497.484	ppb	1.1285	0.2	3309.67
Na 330.237	78245.0	ppb	125.821	0.2	4026.48
Ni 231.604	496.058	ppb	2.5019	0.5	1299.69
Pb 220.353	493.180	ppb	2.1558	0.4	816.706
Sb 206.834	495.930	ppb	6.5829	1.3	460.127
Se 196.026	2028.88	ppb	9.9224	0.5	996.603
Sn 189.925	1021.91	ppb	5.9997	0.6	793.058
Sr 216.596	632.143	ppb	1.0707	0.2	6149.33
Ti 334.941	978.436	ppb	0.8252	0.1	258991
Tl 190.794	2022.77	ppb	11.9701	0.6	1387.94
V 292.401	502.539	ppb	0.6217	0.1	14041.5
Zn 206.200	497.435	ppb	1.0247	0.2	779.718

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480-34565-g-1-e ms (Samp) **3/27/2013, 3:57:44 AM** **Rack 3, Tube 28****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	17.0447	16.2323	16.9670
Al 308.215	2029.43	2031.75	2036.57
As 188.980	40.7566	42.5466	43.0502
B 249.678	124.292	124.003	121.765
Ba 389.178	238.758	236.289	238.192
Be 313.042	21.1702	21.2132	21.2336
Ca 370.602	66223	66335	66428
Cd 226.502	20.5481	20.5355	20.3183
Co 228.615	20.7620	19.9858	20.7245
Cr 267.716	40.0431	39.8574	39.8811
Cu 324.754	40.3677	41.7320	41.0017
Fe 271.441	2084.70	2089.28	2093.94
K 766.491	4061.54	4047.22	4055.96
Mg 279.078	10691.3	10678.5	10691.6
Mn 257.610	211.084	211.142	211.295
Mo 202.032	40.9641	40.9009	40.1628
Na 330.237	77012.0	76847.4	77273.8
Ni 231.604	42.0369	41.9492	40.9624
Pb 220.353	18.3342	16.1485	18.7661
Sb 206.834	21.9981	17.4456	18.6626
Se 196.026	40.7614	47.5274	39.4360
Sn 189.925	84.3641	81.2845	79.6236
Sr 216.596	169.541	170.712	171.070
Ti 334.941	40.5216	40.6003	40.7685
Tl 190.794	15.5795	20.3826	25.2913
V 292.401	41.1378	39.9865	40.8788
Zn 206.200	40.7617	40.9681	40.9165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.7480	ppb	0.4483	2.7	1105.69
Al 308.215	2032.58	ppb	3.6431	0.2	12106.0
As 188.980	42.1178	ppb	1.2054	2.9	26.1810
B 249.678	123.353	ppb	1.3832	1.1	1358.22
Ba 389.178	237.746	ppb	1.2932	0.5	5873.52
Be 313.042	21.2057	ppb	0.0324	0.2	41421.1
Ca 370.602	66329	ppb	102.3	0.2	218565
Cd 226.502	20.4673	ppb	0.1292	0.6	785.301
Co 228.615	20.4908	ppb	0.4377	2.1	252.340
Cr 267.716	39.9272	ppb	0.1011	0.3	1747.84
Cu 324.754	41.0338	ppb	0.6827	1.7	2133.52
Fe 271.441	2089.31	ppb	4.6204	0.2	3560.29
K 766.491	4054.91	ppb	7.2178	0.2	204463
Mg 279.078	10687.1	ppb	7.5076	0.1	22286.1
Mn 257.610	211.173	ppb	0.1089	0.1	48760.5
Mo 202.032	40.6759	ppb	0.4455	1.1	278.977
Na 330.237	77044.4	ppb	214.998	0.3	3975.16
Ni 231.604	41.6495	ppb	0.5967	1.4	111.291
Pb 220.353	17.7496	ppb	1.4033	7.9	32.7585
Sb 206.834	19.3688	ppb	2.3570	12.2	19.5981
Se 196.026	42.5749	ppb	4.3398	10.2	19.8588
Sn 189.925	81.7574	ppb	2.4054	2.9	62.2804
Sr 216.596	170.441	ppb	0.7995	0.5	1673.71
Ti 334.941	40.6301	ppb	0.1261	0.3	10704.6
Tl 190.794	20.4178	ppb	4.8560	23.8	12.5259
V 292.401	40.6677	ppb	0.6040	1.5	1137.17
Zn 206.200	40.8821	ppb	0.1074	0.3	661618

480-34565-g-1-f msd (Samp) 3/27/2013, 4:03:10 AM Rack 3, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	16.0035	15.3318	16.4016
Al 308.215	2035.06	2029.50	2030.66
As 188.980	36.4665	41.0061	40.2314
B 249.678	104.261	104.864	103.787
Ba 389.178	234.165	233.971	234.346
Be 313.042	21.1504	21.1749	21.1210
Ca 370.602	65266	65360	65263
Cd 226.502	20.1778	20.5265	20.3158
Co 228.615	21.0083	20.5538	21.1788
Cr 267.716	40.1249	40.3184	39.6765
Cu 324.754	41.3885	40.7565	41.0577
Fe 271.441	2091.14	2083.25	2075.98
K 766.491	4002.27	4000.33	3992.29
Mg 279.078	10519.1	10535.7	10533.5
Mn 257.610	210.455	210.619	210.113
Mo 202.032	40.5593	40.2222	40.3865
Na 330.237	75636.3	75795.4	76003.8
Ni 231.604	42.3033	41.0046	40.7426
Pb 220.353	15.5058	15.8897	17.7147
Sb 206.834	17.8737	26.2808	17.0016
Se 196.026	49.5977	45.1339	45.3636
Sn 189.925	85.3065	86.2049	79.6519
Sr 216.596	169.221	168.162	167.246
Ti 334.941	40.3930	40.5069	40.4310
Tl 190.794	24.5151	17.7989	19.8278
V 292.401	40.9780	40.7075	40.9336
Zn 206.200	42.2944	39.8728	40.4227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.9123	ppb	0.5407	3.4	1047.01
Al 308.215	2031.74	ppb	2.9318	0.1	12101.1
As 188.980	39.2347	ppb	2.4284	6.2	24.3876
B 249.678	104.304	ppb	0.5399	0.5	1178.41
Ba 389.178	234.161	ppb	0.1875	0.1	5784.52
Be 313.042	21.1488	ppb	0.0270	0.1	41309.2
Ca 370.602	65297	ppb	55.06	0.1	215161
Cd 226.502	20.3400	ppb	0.1756	0.9	780.508
Co 228.615	20.9136	ppb	0.3230	1.5	257.311
Cr 267.716	40.0399	ppb	0.3293	0.8	1752.73
Cu 324.754	41.0676	ppb	0.3161	0.8	2135.18
Fe 271.441	2083.45	ppb	7.5814	0.4	3550.40
K 766.491	3998.29	ppb	5.2920	0.1	201611
Mg 279.078	10529.4	ppb	9.0020	0.1	21957.6
Mn 257.610	210.396	ppb	0.2581	0.1	48580.5
Mo 202.032	40.3893	ppb	0.1686	0.4	277.075
Na 330.237	75811.8	ppb	184.270	0.2	3911.55
Ni 231.604	41.3502	ppb	0.8358	2.0	110.508
Pb 220.353	16.3701	ppb	1.1802	7.2	30.4803
Sb 206.834	20.3854	ppb	5.1242	25.1	20.5491
Se 196.026	46.6984	ppb	2.5135	5.4	21.8861
Sn 189.925	83.7211	ppb	3.5525	4.2	63.8059
Sr 216.596	168.210	ppb	0.9887	0.6	1651.89
Ti 334.941	40.4436	ppb	0.0580	0.1	10654.7
Tl 190.794	20.7139	ppb	3.4447	16.6	12.7306
V 292.401	40.8730	ppb	0.1450	0.4	1142.99
Zn 206.200	40.8633	ppb	1.2695	3.1	66.1319

680-88588-f-1-a (Samp) 3/27/2013, 4:08:37 AM Rack 3, Tube 30
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5276u	-0.5491u	-0.9691u
Al 308.215	3.5240	2.6071	3.9389
As 188.980	0.4127	2.9812	-6.6962u
B 249.678	2.3962	1.3122	-0.3839u
Ba 389.178	174.764	174.247	174.141
Be 313.042	-0.0582u	-0.0702u	-0.0589u
Ca 370.602	231543	231175	231739
Cd 226.502	-0.0649u	-0.1697u	-0.1481u
Co 228.615	-0.0320u	0.3290	0.2767
Cr 267.716	0.0141	-0.2438u	-0.2895u
Cu 324.754	-0.7910u	-0.6296u	-1.2279u
Fe 271.441	14.4866	13.4498	7.6817
K 766.491	1178.58	1181.55	1179.11
Mg 279.078	11178.3	11185.1	11182.7
Mn 257.610	0.0063	0.0750	0.0805
Mo 202.032	0.5544	-0.0564u	0.5136
Na 330.237	25451.7	25508.2	25763.6
Ni 231.604	1.0498	-0.8137u	2.6554
Pb 220.353	-1.5400u	-5.1771u	-0.8792u
Sb 206.834	-7.2388u	-3.4481u	-6.2431u
Se 196.026	-4.7880u	-1.5098u	-1.7757u
Sn 189.925	4.7167	-3.3801u	-0.6985u
Sr 216.596	523.433	524.395	523.262
Ti 334.941	0.6290	0.6836	0.7636
Tl 190.794	-3.5102u	-0.7840u	-3.3807u
V 292.401	-2.5029u	-2.9585u	-2.7649u
Zn 206.200	2.1384	1.3722	0.7364

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6819	ppb	0.2489	36.5	-137.284
Al 308.215	3.3567	ppb	0.6815	20.3	285.057
As 188.980	-1.1008	ppb	5.0131	455.4	0.8558
B 249.678	1.1082	ppb	1.4012	126.4	206.207
Ba 389.178	174.384	ppb	0.3333	0.2	4306.91
Be 313.042	-0.0624	ppb	0.0067	10.7	-253.696
Ca 370.602	231486	ppb	286.1	0.1	763363
Cd 226.502	-0.1276	ppb	0.0553	43.4	6.3193
Co 228.615	0.1912	ppb	0.1951	102.0	14.1272
Cr 267.716	-0.1731	ppb	0.1637	94.6	-4.4510
Cu 324.754	-0.8828	ppb	0.3095	35.1	66.8101
Fe 271.441	11.8727	ppb	3.6663	30.9	23.7529
K 766.491	1179.75	ppb	1.5834	0.1	59632.8
Mg 279.078	11182.0	ppb	3.4368	0.0	23320.7
Mn 257.610	0.0539	ppb	0.0413	76.6	136.272
Mo 202.032	0.3372	ppb	0.3415	101.3	11.4527
Na 330.237	25574.5	ppb	166.196	0.6	1319.94
Ni 231.604	0.9639	ppb	1.7361	180.1	4.8409
Pb 220.353	-2.5321	ppb	2.3143	91.4	-0.6628
Sb 206.834	-5.6433	ppb	1.9652	34.8	-3.8065
Se 196.026	-2.6912	ppb	1.8208	67.7	-2.4626
Sn 189.925	0.2127	ppb	4.1246	1939.3	-1.0566
Sr 216.596	523.697	ppb	0.6104	0.1	5131.43
Ti 334.941	0.6921	ppb	0.0677	9.8	137.065
Tl 190.794	-2.5583	ppb	1.5380	60.1	-2.9824
V 292.401	-2.7421	ppb	0.2287	8.3	-73.3396
Zn 206.200	1.4157	ppb	0.7920	49.6	4.5619

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88588-e-1-d (Samp) 3/27/2013, 4:14:04 AM Rack 3, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9679u	-1.5837u	-0.3795u
Al 308.215	6.4458	4.0030	3.9083
As 188.980	-3.9727u	-4.1800u	-3.8205u
B 249.678	-3.4136u	-3.8323u	-4.2802u
Ba 389.178	177.905	178.446	179.174
Be 313.042	-0.0571u	-0.0654u	-0.0580u
Ca 370.602	237022	236420	237782
Cd 226.502	0.1559	-0.1457u	-0.2931u
Co 228.615	0.3288	0.2158	-0.5433u
Cr 267.716	0.4432	0.3502	0.3750
Cu 324.754	-0.2777u	-0.2741u	0.4599
Fe 271.441	19.0286	18.8834	10.6483
K 766.491	1208.51	1211.09	1213.51
Mg 279.078	11438.9	11442.2	11434.7
Mn 257.610	0.3979	0.3593	0.3628
Mo 202.032	0.1416	-0.4284u	0.3086
Na 330.237	26332.4	25908.4	26110.7
Ni 231.604	1.4375	0.7143	0.6053
Pb 220.353	-2.2803u	-0.8459u	-2.9290u
Sb 206.834	-8.4633u	7.0833	6.6451
Se 196.026	1.9026	-3.0920u	0.0492
Sn 189.925	-0.0839	0.7129	0.3199
Sr 216.596	535.542	533.604	535.800
Ti 334.941	0.4923	0.4860	0.5057
Tl 190.794	8.0948	-0.1301u	0.8179
V 292.401	-2.2245u	-2.8171u	-2.7793u
Zn 206.200	1.6264	1.8362	1.9265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9771	ppb	0.6021	61.6	-158.677
Al 308.215	4.7857	ppb	1.4384	30.1	293.333
As 188.980	-3.9910	ppb	0.1804	4.5	-0.8824
B 249.678	-3.8421	ppb	0.4334	11.3	159.470
Ba 389.178	178.508	ppb	0.6368	0.4	4409.49
Be 313.042	-0.0602	ppb	0.0046	7.6	-247.109
Ca 370.602	237075	ppb	682.8	0.3	781793
Cd 226.502	-0.0943	ppb	0.2289	242.8	7.5900
Co 228.615	0.0004	ppb	0.4743	109990.0	11.8939
Cr 267.716	0.3895	ppb	0.0481	12.4	20.1183
Cu 324.754	-0.0306	ppb	0.4248	1387.0	108.793
Fe 271.441	16.1868	ppb	4.7970	29.6	31.0537
K 766.491	1211.03	ppb	2.5010	0.2	61208.9
Mg 279.078	11438.6	ppb	3.7734	0.0	23855.2
Mn 257.610	0.3733	ppb	0.0214	5.7	211.391
Mo 202.032	0.0073	ppb	0.3864	5306.1	9.2629
Na 330.237	26117.2	ppb	212.052	0.8	1347.94
Ni 231.604	0.9190	ppb	0.4523	49.2	4.7238
Pb 220.353	-2.0184	ppb	1.0660	52.8	0.1863
Sb 206.834	1.7551	ppb	8.8521	504.4	3.1033
Se 196.026	-0.3801	ppb	2.5248	664.3	-1.3261
Sn 189.925	0.3163	ppb	0.3985	126.0	-0.9736
Sr 216.596	534.982	ppb	1.2004	0.2	5241.94
Ti 334.941	0.4947	ppb	0.0101	2.0	85.8905
Tl 190.794	2.9275	ppb	4.5001	153.7	0.7854
V 292.401	-2.6070	ppb	0.3318	12.7	-69.5052
Zn 206.200	1.7964	ppb	0.1540	8.6	851.559

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4154	-0.9916u	-0.5220u
Al 308.215	1.8642	1.2986	-2.0907u
As 188.980	-4.4063u	-0.0499	1.1564
B 249.678	-2.2096u	-1.4572u	-1.9984u
Ba 389.178	115.185	114.995	115.762
Be 313.042	-0.0538u	-0.0587u	-0.0425u
Ca 370.602	158688	158332	157833
Cd 226.502	-0.3270u	-0.4115u	-0.1013u
Co 228.615	0.2701	-0.4807u	-0.2226u
Cr 267.716	-0.1071u	-0.3682u	0.0419
Cu 324.754	-0.0085u	0.3342	-0.5091u
Fe 271.441	14.4552	15.9427	18.5282
K 766.491	1167.12	1167.39	1168.74
Mg 279.078	10781.9	10769.4	10751.1
Mn 257.610	19.2408	19.1650	19.1496
Mo 202.032	0.3955	-0.1272u	-0.2964u
Na 330.237	12365.8	12458.4	12034.3
Ni 231.604	0.4821	2.0899	0.9682
Pb 220.353	-2.2962u	-1.5855u	-0.9762u
Sb 206.834	-2.4948u	0.4593	-2.4307u
Se 196.026	-0.9396u	4.9679	11.5756
Sn 189.925	-4.0857u	0.9516	-0.6970u
Sr 216.596	429.373	427.652	427.086
Ti 334.941	0.4140	0.4226	0.3245
Tl 190.794	4.9278	3.1292	2.7187
V 292.401	-1.9262u	-2.0503u	-2.0381u
Zn 206.200	4.5437	5.6426	2.5377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3661	ppb	0.7164	195.7	-110.754
Al 308.215	0.3574	ppb	2.1388	598.5	267.509
As 188.980	-1.0999	ppb	2.9262	266.0	0.2411
B 249.678	-1.8884	ppb	0.3881	20.6	177.919
Ba 389.178	115.314	ppb	0.3996	0.3	2847.24
Be 313.042	-0.0517	ppb	0.0083	16.1	-257.182
Ca 370.602	158284	ppb	429.2	0.3	521968
Cd 226.502	-0.2799	ppb	0.1603	57.3	0.6647
Co 228.615	-0.1444	ppb	0.3815	264.1	10.1943
Cr 267.716	-0.1445	ppb	0.2076	143.7	-3.3521
Cu 324.754	-0.0612	ppb	0.4241	693.6	107.276
Fe 271.441	16.3087	ppb	2.0611	12.6	31.3559
K 766.491	1167.75	ppb	0.8645	0.1	59028.5
Mg 279.078	10767.5	ppb	15.4785	0.1	22456.7
Mn 257.610	19.1851	ppb	0.0488	0.3	4539.28
Mo 202.032	-0.0094	ppb	0.3607	3857.6	9.1517
Na 330.237	12286.2	ppb	222.968	1.8	634.076
Ni 231.604	1.1800	ppb	0.8246	69.9	5.4063
Pb 220.353	-1.6193	ppb	0.6606	40.8	0.8496
Sb 206.834	-1.4887	ppb	1.6874	113.3	0.0754
Se 196.026	5.2013	ppb	6.2609	120.4	1.4229
Sn 189.925	-1.2770	ppb	2.5682	201.1	-2.2476
Sr 216.596	428.037	ppb	1.1909	0.3	4192.83
Ti 334.941	0.3870	ppb	0.0543	14.0	55.5437
Tl 190.794	3.5919	ppb	1.1750	32.7	1.2236
V 292.401	-2.0049	ppb	0.0684	3.4	-52.3972
Zn 206.200	4.2413	ppb	1.5744	27.1	8.9812

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88588-e-2-a (Samp) 3/27/2013, 4:24:57 AM Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5519u	-0.0688u	-1.0278u
Al 308.215	3.6543	3.6023	3.6831
As 188.980	-0.4964	0.1469	-0.7216
B 249.678	-3.7752u	-2.5003u	-2.7341u
Ba 389.178	114.132	115.921	115.016
Be 313.042	-0.0571u	-0.0514u	-0.0452u
Ca 370.602	157779	159031	157979
Cd 226.502	-0.0371u	0.0424	-0.2219u
Co 228.615	-0.0804u	0.2795	-0.0316u
Cr 267.716	-0.3151u	0.2312	-0.0981u
Cu 324.754	-0.6032u	-0.6936u	-0.7946u
Fe 271.441	22.0974	33.2230	32.4700
K 766.491	1149.90	1155.35	1154.68
Mg 279.078	10776.5	10818.9	10797.4
Mn 257.610	19.5042	19.6025	19.5991
Mo 202.032	0.5444	1.1514	1.3159
Na 330.237	12140.1	12061.0	12109.5
Ni 231.604	1.0011	0.8116	-0.0600u
Pb 220.353	-0.5702u	2.8239	-2.5345u
Sb 206.834	-1.3532u	-0.7915u	-6.0944u
Se 196.026	12.7196	5.5810	13.8081
Sn 189.925	1.0416	5.2864	3.8255
Sr 216.596	428.669	427.579	426.664
Ti 334.941	0.2666	0.5472	0.3220
Tl 190.794	-1.9085u	-2.0604u	-6.5869u
V 292.401	-1.6863u	-2.1014u	-1.9377u
Zn 206.200	1.6928	3.4957	0.7653

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8828	ppb	0.7521	85.2	-147.181
Al 308.215	3.6466	ppb	0.0409	1.1	286.752
As 188.980	-0.3570	ppb	0.4507	126.2	0.7037
B 249.678	-3.0032	ppb	0.6787	22.6	167.380
Ba 389.178	115.023	ppb	0.8942	0.8	2840.18
Be 313.042	-0.0512	ppb	0.0059	11.6	-256.171
Ca 370.602	158263	ppb	672.5	0.4	521895
Cd 226.502	-0.0722	ppb	0.1356	187.9	8.5160
Co 228.615	0.0558	ppb	0.1952	349.6	12.5248
Cr 267.716	-0.0607	ppb	0.2751	453.5	0.3054
Cu 324.754	-0.6971	ppb	0.0958	13.7	75.9602
Fe 271.441	29.2634	ppb	6.2174	21.2	53.3271
K 766.491	1153.31	ppb	2.9728	0.3	58301.2
Mg 279.078	10797.6	ppb	21.2327	0.2	22519.5
Mn 257.610	19.5686	ppb	0.0558	0.3	4627.84
Mo 202.032	1.0039	ppb	0.4064	40.5	15.8748
Na 330.237	12103.5	ppb	39.8939	0.3	624.662
Ni 231.604	0.5842	ppb	0.5659	96.9	3.8484
Pb 220.353	-0.0936	ppb	2.7108	2896.1	3.3686
Sb 206.834	-2.7464	ppb	2.9131	106.1	-1.1047
Se 196.026	10.7029	ppb	4.4690	41.8	4.1283
Sn 189.925	3.3845	ppb	2.1565	63.7	1.3758
Sr 216.596	427.637	ppb	1.0042	0.2	4188.96
Ti 334.941	0.3786	ppb	0.1486	39.3	53.4845
Tl 190.794	-3.5186	ppb	2.6583	75.5	-3.6621
V 292.401	-1.9085	ppb	0.2091	11.0	-49.8319
Zn 206.200	1.9846	ppb	1.3884	70.0	5.4513

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

560-38781-b-1-a (Samp) 3/27/2013, 4:30:23 AM Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1896	-0.7538u	-0.6230u
Al 308.215	-2.5718u	-2.5115u	-1.3019u
As 188.980	-1.0677u	0.7024	-9.2279u
B 249.678	12.5024	13.3046	12.8485
Ba 389.178	49.9051	50.2014	51.4361
Be 313.042	0.0026	0.0050	0.0010
Ca 370.602	8843	9030	9089
Cd 226.502	0.0827	-0.1596u	-0.0898u
Co 228.615	0.2553	0.0653	0.1477
Cr 267.716	0.1436	0.3839	0.1965
Cu 324.754	15.4637	16.7699	15.8619
Fe 271.441	28.5751	37.4006	28.2534
K 766.491	2708.96	2769.13	2781.53
Mg 279.078	2623.47	2684.57	2700.25
Mn 257.610	0.9630	0.9759	0.9912
Mo 202.032	0.3294	0.2353	0.3242
Na 330.237	19072.3	19510.2	19482.6
Ni 231.604	1.4119	2.0235	0.3353
Pb 220.353	2.9010	1.0086	-0.3000u
Sb 206.834	6.7156	3.0307	-2.0734u
Se 196.026	-4.6420u	6.7985	10.5950
Sn 189.925	-2.8522u	0.7881	0.7590
Sr 216.596	72.6812	74.4101	76.1390
Ti 334.941	-0.0332	-0.1056u	0.0237
Tl 190.794	4.1003	-1.4914u	4.1815
V 292.401	-0.0252u	-0.8173u	-0.1765u
Zn 206.200	5.2931	3.7959	6.4711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3958	ppb	0.5111	129.1	-97.3319
Al 308.215	-2.1284	ppb	0.7164	33.7	253.064
As 188.980	-3.1977	ppb	5.2967	165.6	-2.3125
B 249.678	12.8851	ppb	0.4023	3.1	317.362
Ba 389.178	50.5142	ppb	0.8120	1.6	1224.73
Be 313.042	0.0029	ppb	0.0020	70.4	-204.465
Ca 370.602	8987	ppb	128.8	1.4	29629
Cd 226.502	-0.0555	ppb	0.1247	224.5	9.0039
Co 228.615	0.1561	ppb	0.0952	61.0	13.7010
Cr 267.716	0.2413	ppb	0.1263	52.3	13.5222
Cu 324.754	16.0318	ppb	0.6695	4.2	900.256
Fe 271.441	31.4097	ppb	5.1907	16.5	57.1156
K 766.491	2753.21	ppb	38.8135	1.4	138892
Mg 279.078	2669.43	ppb	40.5694	1.5	5586.52
Mn 257.610	0.9767	ppb	0.0141	1.4	298.641
Mo 202.032	0.2963	ppb	0.0528	17.8	11.1763
Na 330.237	19355.0	ppb	245.214	1.3	998.900
Ni 231.604	1.2569	ppb	0.8547	68.0	5.6077
Pb 220.353	1.2032	ppb	1.6093	133.8	5.5065
Sb 206.834	2.5576	ppb	4.4135	172.6	3.8497
Se 196.026	4.2505	ppb	7.9316	186.6	0.9510
Sn 189.925	-0.4350	ppb	2.0934	481.2	-1.6490
Sr 216.596	74.4101	ppb	1.7289	2.3	734.117
Ti 334.941	-0.0384	ppb	0.0648	169.0	-92.1244
Tl 190.794	2.2635	ppb	3.2521	143.7	0.3295
V 292.401	-0.3397	ppb	0.4205	123.8	-5.8470
Zn 206.200	5.1867	ppb	1.3408	25.9	10.4582

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

560-38781-b-2-a (Samp) 3/27/2013, 4:35:50 AM Rack 3, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5748u	-0.2766u	-0.2889u
Al 308.215	9.5894	7.1136	7.9209
As 188.980	2.4916	-1.3765u	1.3743
B 249.678	13.0238	13.7887	11.8601
Ba 389.178	50.6949	50.1225	50.9688
Be 313.042	-0.0097u	-0.0183u	-0.0257u
Ca 370.602	9741	9707	9704
Cd 226.502	-0.0754u	-0.1208u	-0.0769u
Co 228.615	-0.1852u	-0.0359u	0.1494
Cr 267.716	-0.1254u	-0.1434u	-0.0204u
Cu 324.754	2.9256	1.9252	2.9305
Fe 271.441	263.638	261.730	255.100
K 766.491	2794.15	2788.02	2772.75
Mg 279.078	2556.17	2558.82	2562.20
Mn 257.610	71.6231	71.5728	71.4503
Mo 202.032	0.0317	0.7116	0.3405
Na 330.237	19663.9	19849.0	19617.3
Ni 231.604	1.1752	0.0301	1.7214
Pb 220.353	4.5013	-1.9238u	2.9530
Sb 206.834	6.5989	-6.0644u	-3.9016u
Se 196.026	3.7143	1.8644	6.1071
Sn 189.925	0.4008	2.9018	2.4937
Sr 216.596	76.3752	76.7894	76.9944
Ti 334.941	-0.0580u	0.0863	0.0539
Tl 190.794	-0.6539u	4.2371	2.7095
V 292.401	-0.3254u	0.0099	-0.4304u
Zn 206.200	1.0834	0.3969	-0.1309u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3801	ppb	0.1687	44.4	-96.0694
Al 308.215	8.2080	ppb	1.2626	15.4	313.281
As 188.980	0.8298	ppb	1.9907	239.9	0.1836
B 249.678	12.8909	ppb	0.9711	7.5	317.199
Ba 389.178	50.5954	ppb	0.4318	0.9	1226.78
Be 313.042	-0.0179	ppb	0.0080	44.5	-245.080
Ca 370.602	9718	ppb	20.38	0.2	32019
Cd 226.502	-0.0910	ppb	0.0258	28.3	8.2327
Co 228.615	-0.0239	ppb	0.1676	700.7	11.5698
Cr 267.716	-0.0964	ppb	0.0665	69.0	-0.8897
Cu 324.754	2.5938	ppb	0.5790	22.3	238.170
Fe 271.441	260.156	ppb	4.4816	1.7	446.140
K 766.491	2784.97	ppb	11.0199	0.4	140493
Mg 279.078	2559.06	ppb	3.0187	0.1	5355.51
Mn 257.610	71.5487	ppb	0.0889	0.1	16552.4
Mo 202.032	0.3613	ppb	0.3404	94.2	11.5968
Na 330.237	19710.1	ppb	122.598	0.6	1017.19
Ni 231.604	0.9756	ppb	0.8631	88.5	4.8767
Pb 220.353	1.8435	ppb	3.3532	181.9	6.5786
Sb 206.834	-1.1224	ppb	6.7737	603.5	0.4147
Se 196.026	3.8953	ppb	2.1271	54.6	0.7949
Sn 189.925	1.9321	ppb	1.3418	69.4	0.1914
Sr 216.596	76.7197	ppb	0.3154	0.4	756.763
Ti 334.941	0.0274	ppb	0.0757	276.5	-75.1837
Tl 190.794	2.0976	ppb	2.5023	119.3	0.1366
V 292.401	-0.2486	ppb	0.2300	92.5	-3.3042
Zn 206.200	0.4498	ppb	0.6088	135.4	3.0513

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

X (Samp) 3/27/2013, 4:41:17 AM **Rack 3, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6654u	0.4331	0.5634
Al 308.215	3.1108	5.1074	1.7017
As 188.980	1.0239	2.4536	-6.3327u
B 249.678	-15.1045u	-14.9330u	-15.5363u
Ba 389.178	1.5461	-0.1806u	0.5194
Be 313.042	0.0244	0.0159	0.0295
Ca 370.602	12.49	15.07	12.99
Cd 226.502	0.0641	0.1391	-0.2230u
Co 228.615	0.7510	0.2971	1.2932
Cr 267.716	0.1888	0.1912	0.3061
Cu 324.754	-0.2525u	0.1954	-0.1435u
Fe 271.441	4.5277	-4.5103u	1.5240
K 766.491	0.3805	0.4422	0.4085
Mg 279.078	8.7678	8.6916	9.4627
Mn 257.610	0.2476	0.2508	0.2619
Mo 202.032	0.2816	-0.5434u	-0.1671u
Na 330.237	-178.422u	39.5990	37.5321
Ni 231.604	-0.8751u	-0.1337u	1.4753
Pb 220.353	-2.6401u	-4.8772u	-5.2253u
Sb 206.834	-2.3232u	-0.1605u	-9.2997u
Se 196.026	5.8508	8.0191	-4.6939u
Sn 189.925	4.7415	2.4513	0.4886
Sr 216.596	0.2489	0.3540	0.3105
Ti 334.941	-0.0057u	-0.0298u	0.0736
Tl 190.794	0.2763	2.9853	4.5754
V 292.401	0.2694	0.1337	0.5008
Zn 206.200	0.2034	-1.0209u	-1.4890u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1104	ppb	0.6750	611.6	-58.4600
Al 308.215	3.3066	ppb	1.7113	51.8	284.669
As 188.980	-0.9518	ppb	4.7146	495.4	-0.9982
B 249.678	-15.1913	ppb	0.3109	2.0	52.3518
Ba 389.178	0.6283	ppb	0.8685	138.2	-14.4902
Be 313.042	0.0233	ppb	0.0069	29.6	-164.932
Ca 370.602	13.52	ppb	1.365	10.1	38.54
Cd 226.502	-0.0066	ppb	0.1911	2907.2	10.8464
Co 228.615	0.7804	ppb	0.4987	63.9	21.0415
Cr 267.716	0.2287	ppb	0.0670	29.3	12.6351
Cu 324.754	-0.0669	ppb	0.2335	349.3	106.974
Fe 271.441	0.5138	ppb	4.6029	895.8	4.5508
K 766.491	0.4104	ppb	0.0309	7.5	226.487
Mg 279.078	8.9740	ppb	0.4249	4.7	44.0269
Mn 257.610	0.2534	ppb	0.0075	3.0	117.135
Mo 202.032	-0.1430	ppb	0.4130	288.9	8.2616
Na 330.237	-33.7635	ppb	125.282	371.1	-1.7395
Ni 231.604	0.1555	ppb	1.2016	772.6	2.7266
Pb 220.353	-4.2475	ppb	1.4029	33.0	-3.4951
Sb 206.834	-3.9278	ppb	4.7762	121.6	-2.1972
Se 196.026	3.0586	ppb	6.8009	222.4	0.3646
Sn 189.925	2.5605	ppb	2.1285	83.1	0.6693
Sr 216.596	0.3045	ppb	0.0528	17.3	11.3670
Ti 334.941	0.0127	ppb	0.0541	427.1	-88.5258
Tl 190.794	2.6123	ppb	2.1737	83.2	0.5712
V 292.401	0.3013	ppb	0.1856	61.6	12.3548
Zn 206.200	-0.7689	ppb	0.8739	286.0	-893.1438

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Cont Calib Verif (CCV) 3/27/2013, 4:46:43 AM Rack 3, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	499.612	504.941	498.770
Al 308.215	4928.78	4964.98	4923.97
As 188.980	450.697	454.378	461.559
B 249.678	2445.59	2485.26	2483.81
Ba 389.178	4898.16	4933.29	4889.08
Be 313.042	487.767	491.839	487.316
Ca 370.602	4841	4888	4844
Cd 226.502	475.763	478.824	474.193
Co 228.615	489.586	493.284	489.709
Cr 267.716	4691.45	4737.69	4711.57
Cu 324.754	4736.44	4872.58	4756.70
Fe 271.441	4917.02	4937.34	4908.38
K 766.491	10071.8	10120.1	10044.8
Mg 279.078	4838.56	4855.33	4822.83
Mn 257.610	4895.28	4924.32	4893.17
Mo 202.032	471.663	475.573	475.386
Na 330.237	7345.51	7297.71	7536.45
Ni 231.604	2429.82	2444.00	2421.20
Pb 220.353	477.831	483.246	477.202
Sb 206.834	907.225	920.021	912.777
Se 196.026	4778.67	4804.87	4770.94
Sn 189.925	4917.03	4891.90	4924.78
Sr 216.596	2368.45	2397.22	2381.48
Ti 334.941	477.221	481.811	478.728
Tl 190.794	4789.27	4822.17	4816.49
V 292.401	4884.87	4910.85	4881.77
Zn 206.200	2414.36	2428.90	2407.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	501.108	ppb	3.3462	0.7	35136.9	100.22153
Al 308.215	4939.24	ppb	22.4155	0.5	29003.0	98.78485
As 188.980	455.545	ppb	5.5241	1.2	281.364	91.10897
B 249.678	2471.55	ppb	22.4982	0.9	23522.0	98.86215
Ba 389.178	4906.84	ppb	23.3494	0.5	121162	98.13687
Be 313.042	488.974	ppb	2.4914	0.5	959367	97.79478
Ca 370.602	4857	ppb	26.14	0.5	15879	97.14922
Cd 226.502	476.260	ppb	2.3551	0.5	17926.9	95.25197
Co 228.615	490.859	ppb	2.1003	0.4	5787.82	98.17188
Cr 267.716	4713.57	ppb	23.1861	0.5	205755	94.27141
Cu 324.754	4788.57	ppb	73.4553	1.5	236033	95.77146
Fe 271.441	4920.91	ppb	14.8693	0.3	8492.68	98.41825
K 766.491	10078.9	ppb	38.1250	0.4	507909	100.78933
Mg 279.078	4838.91	ppb	16.2538	0.3	10028.2	96.77818
Mn 257.610	4904.26	ppb	17.4036	0.4	1129618	98.08514
Mo 202.032	474.207	ppb	2.2056	0.5	3147.47	94.84143
Na 330.237	7393.22	ppb	126.318	1.7	358.147	98.57627
Ni 231.604	2431.68	ppb	11.5144	0.5	6362.04	97.26701
Pb 220.353	479.426	ppb	3.3232	0.7	795.189	95.88527
Sb 206.834	913.341	ppb	6.4161	0.7	895.775	91.33411
Se 196.026	4784.82	ppb	17.7817	0.4	2352.81	95.69646
Sn 189.925	4911.24	ppb	17.1854	0.3	3816.15	98.22475
Sr 216.596	2382.38	ppb	14.4071	0.6	23166.8	95.29527
Ti 334.941	479.253	ppb	2.3398	0.5	126806	95.85060
Tl 190.794	4809.31	ppb	17.5887	0.4	3299.06	96.18615
V 292.401	4892.50	ppb	15.9723	0.3	137222	97.84998
Zn 206.200	2416.93	ppb	10.9110	0.5	3767.68	96.67722

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (CCB) 3/27/2013, 4:52:21 AM Rack 3, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5024u	-0.2818u	-0.6045u
Al 308.215	-4.7617u	-3.6075u	-2.0435u
As 188.980	2.0556	3.0686	2.0828
B 249.678	41.4523	35.2795	31.7369
Ba 389.178	-0.8509u	0.4208	0.2550
Be 313.042	-0.0110u	-0.0040u	-0.0055u
Ca 370.602	5.194	4.104	-3.331u
Cd 226.502	0.0425	0.1896	-0.0879u
Co 228.615	-0.0003u	0.8368	0.1675
Cr 267.716	-0.2944u	-0.0260u	-0.0559u
Cu 324.754	-0.3208u	0.3513	0.2620
Fe 271.441	7.2446	6.3247	-1.5585u
K 766.491	0.5659	0.3698	-0.6856u
Mg 279.078	-1.3086u	-3.0213u	-0.5486u
Mn 257.610	-0.0369u	0.0115	-0.0228u
Mo 202.032	0.5374	0.2733	0.3782
Na 330.237	-27.5146u	-89.9886u	111.690
Ni 231.604	-1.1512u	-0.2402u	-1.9281u
Pb 220.353	1.1709	-1.3451u	-1.0760u
Sb 206.834	2.7114	3.1837	4.2062
Se 196.026	0.8119	7.9209	5.7421
Sn 189.925	-0.6646u	2.0466	2.7474
Sr 216.596	-0.0941u	0.7318	0.1140
Ti 334.941	0.1119	0.1611	0.1361
Tl 190.794	4.1849	5.9372	-2.1020u
V 292.401	-0.2521u	-0.4177u	-0.0497u
Zn 206.200	-0.6780u	0.2425	-1.4706u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4629	ppb	0.1649	35.6	-98.7751	-0.46291
Al 308.215	-3.4709	ppb	1.3643	39.3	245.287	-3.47089
As 188.980	2.4024	ppb	0.5772	24.0	1.0773	2.40235
B 249.678	36.1562	ppb	4.9167	13.6	537.059	36.15622
Ba 389.178	-0.0583	ppb	0.6913	1184.9	-31.4688	-0.05835
Be 313.042	-0.0068	ppb	0.0037	53.5	-224.114	-0.00683
Ca 370.602	1.989	ppb	4.639	233.3	0.3810	1.98886
Cd 226.502	0.0481	ppb	0.1388	288.8	12.9051	0.04807
Co 228.615	0.3347	ppb	0.4429	132.3	15.7881	0.33466
Cr 267.716	-0.1255	ppb	0.1471	117.3	-2.8207	-0.12545
Cu 324.754	0.0975	ppb	0.3650	374.4	115.094	0.09750
Fe 271.441	4.0036	ppb	4.8389	120.9	10.4225	4.00359
K 766.491	0.0834	ppb	0.6731	807.4	210.014	0.08337
Mg 279.078	-1.6262	ppb	1.2665	77.9	21.9503	-1.62616
Mn 257.610	-0.0161	ppb	0.0249	155.2	55.0191	-0.01606
Mo 202.032	0.3963	ppb	0.1330	33.6	11.8411	0.39628
Na 330.237	-1.9377	ppb	103.243	5328.2	-0.1029	-1.93769
Ni 231.604	-1.1065	ppb	0.8448	76.4	-0.5740	-1.10651
Pb 220.353	-0.4168	ppb	1.3815	331.5	2.8308	-0.41675
Sb 206.834	3.3671	ppb	0.7641	22.7	4.5968	3.36710
Se 196.026	4.8250	ppb	3.6421	75.5	1.2330	4.82499
Sn 189.925	1.3765	ppb	1.8020	130.9	-0.2510	1.37645
Sr 216.596	0.2506	ppb	0.4296	171.4	10.8406	0.25056
Ti 334.941	0.1364	ppb	0.0246	18.1	-55.8214	0.13637
Tl 190.794	2.6734	ppb	4.2273	158.1	0.6129	2.67336
V 292.401	-0.2399	ppb	0.1843	76.8	-2.9460	-0.23985
Zn 206.200	-0.6353	ppb	0.8573	134.8	89.3540	-0.63534

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

mb 680-270710/1-a (Samp) 3/27/2013, 4:58:00 AM Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6321	0.0070	0.2445
Al 308.215	-7.4465u	-4.0585u	-1.5126u
As 188.980	6.2753	-4.6874u	-5.7877u
B 249.678	3.8446	3.0205	1.7385
Ba 389.178	-1.0741u	-1.1311u	0.8028
Be 313.042	-0.0220u	-0.0184u	-0.0154u
Ca 370.602	-1.201u	0.8344	4.648
Cd 226.502	-0.0788u	-0.0819u	-0.0510u
Co 228.615	0.1879	-0.0624u	0.2936
Cr 267.716	0.0898	-0.0504u	-0.1323u
Cu 324.754	-0.0683u	0.8476	-0.5950u
Fe 271.441	3.0203	7.1088	-2.9786u
K 766.491	1.0087	0.1420	0.5912
Mg 279.078	-3.9373u	0.2901	7.1265
Mn 257.610	0.0609	0.0445	0.0464
Mo 202.032	0.0061	-0.0577u	0.7657
Na 330.237	79.8804	89.3283	157.042
Ni 231.604	-0.4166u	0.7387	1.3270
Pb 220.353	0.0760	2.1996	-0.2353u
Sb 206.834	-1.6680u	3.8243	-3.8778u
Se 196.026	-3.8109u	-8.5329u	-2.9731u
Sn 189.925	-0.2220u	1.6131	-1.2633u
Sr 216.596	0.1063	0.2987	0.3522
Ti 334.941	0.1075	-0.0046u	0.0289
Tl 190.794	2.5104	-5.2585u	-1.8731u
V 292.401	-0.4750u	0.0763	-0.0850u
Zn 206.200	1.3147	0.0288	-0.2212u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2945	ppb	0.3156	107.1	-45.4848
Al 308.215	-4.3392	ppb	2.9769	68.6	240.196
As 188.980	-1.3999	ppb	6.6697	476.4	-1.2757
B 249.678	2.8679	ppb	1.0613	37.0	222.824
Ba 389.178	-0.4675	ppb	1.1004	235.4	-41.5634
Be 313.042	-0.0186	ppb	0.0033	17.7	-247.233
Ca 370.602	1.427	ppb	2.969	208.1	-1.513
Cd 226.502	-0.0706	ppb	0.0170	24.1	8.4463
Co 228.615	0.1397	ppb	0.1828	130.9	13.5051
Cr 267.716	-0.0309	ppb	0.1123	362.9	1.3067
Cu 324.754	0.0614	ppb	0.7300	1188.1	113.310
Fe 271.441	2.3835	ppb	5.0738	212.9	7.6764
K 766.491	0.5806	ppb	0.4334	74.6	235.063
Mg 279.078	1.1598	ppb	5.5829	481.4	27.7536
Mn 257.610	0.0506	ppb	0.0090	17.7	70.3896
Mo 202.032	0.2380	ppb	0.4581	192.4	10.7907
Na 330.237	108.750	ppb	42.0878	38.7	5.6020
Ni 231.604	0.5497	ppb	0.8870	161.4	3.7576
Pb 220.353	0.6801	ppb	1.3251	194.8	4.6426
Sb 206.834	-0.5738	ppb	3.9659	691.1	0.9240
Se 196.026	-5.1056	ppb	2.9975	58.7	-3.6499
Sn 189.925	0.0426	ppb	1.4564	3416.9	-1.2878
Sr 216.596	0.2524	ppb	0.1293	51.2	10.8425
Ti 334.941	0.0439	ppb	0.0576	131.0	-80.2903
Tl 190.794	-1.5404	ppb	3.8951	252.9	-2.2817
V 292.401	-0.1612	ppb	0.2834	175.8	-0.6926
Zn 206.200	0.3741	ppb	0.8241	220.3	2.9325

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Ics 680-270710/2-a (Samp) 3/27/2013, 5:03:28 AM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	24.3934	25.1969	23.0359
Al 308.215	4870.48	4856.85	4831.00
As 188.980	107.229	96.7003	96.2303
B 249.678	193.090	191.867	191.968
Ba 389.178	101.592	101.249	100.006
Be 313.042	50.8455	50.9133	50.5156
Ca 370.602	4800	4796	4763
Cd 226.502	49.2500	48.7836	49.1970
Co 228.615	50.9509	49.7715	51.1608
Cr 267.716	97.7844	97.4235	96.4632
Cu 324.754	98.2192	100.153	100.644
Fe 271.441	4989.56	4978.97	4930.91
K 766.491	4999.95	4998.05	4975.75
Mg 279.078	4903.14	4877.40	4859.54
Mn 257.610	509.688	508.895	504.966
Mo 202.032	97.1818	97.4737	97.5794
Na 330.237	4739.67	4710.25	4810.14
Ni 231.604	98.1515	98.1629	99.2913
Pb 220.353	45.3656	47.3555	52.1312
Sb 206.834	45.5416	48.2127	46.8397
Se 196.026	104.129	94.0900	102.703
Sn 189.925	202.504	194.175	200.665
Sr 216.596	99.2546	99.5309	98.4032
Ti 334.941	98.0871	98.0274	97.2944
Tl 190.794	43.4230	43.2657	38.8182
V 292.401	101.735	101.172	100.480
Zn 206.200	98.4935	98.0036	97.3949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.2087	ppb	1.0923	4.5	1635.51
Al 308.215	4852.78	ppb	20.0495	0.4	28534.8
As 188.980	100.053	ppb	6.2187	6.2	61.4715
B 249.678	192.308	ppb	0.6790	0.4	2006.45
Ba 389.178	100.949	ppb	0.8344	0.8	2484.39
Be 313.042	50.7581	ppb	0.2127	0.4	99407.3
Ca 370.602	4787	ppb	20.19	0.4	15396
Cd 226.502	49.0769	ppb	0.2553	0.5	1868.17
Co 228.615	50.6277	ppb	0.7489	1.5	606.025
Cr 267.716	97.2237	ppb	0.6829	0.7	4249.13
Cu 324.754	99.6720	ppb	1.2819	1.3	5024.71
Fe 271.441	4966.48	ppb	31.2524	0.6	8458.41
K 766.491	4991.25	ppb	13.4565	0.3	251629
Mg 279.078	4880.03	ppb	21.9179	0.4	10183.3
Mn 257.610	507.850	ppb	2.5288	0.5	117064
Mo 202.032	97.4116	ppb	0.2060	0.2	655.247
Na 330.237	4753.35	ppb	51.3312	1.1	242.321
Ni 231.604	98.5353	ppb	0.6548	0.7	260.126
Pb 220.353	48.2841	ppb	3.4771	7.2	83.0810
Sb 206.834	46.8647	ppb	1.3357	2.9	45.3482
Se 196.026	100.307	ppb	5.4314	5.4	48.3355
Sn 189.925	199.114	ppb	4.3755	2.2	153.453
Sr 216.596	99.0629	ppb	0.5878	0.6	971.014
Ti 334.941	97.8029	ppb	0.4414	0.5	25821.6
Tl 190.794	41.8356	ppb	2.6143	6.2	26.8540
V 292.401	101.129	ppb	0.6284	0.6	2823.98
Zn 206.200	97.9640	ppb	0.5593	0.6	155.258

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ics 680-270710/3-a (Samp) 3/27/2013, 5:08:55 AM Rack 3, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	207.349	207.937	206.432
Al 308.215	1940.67	1926.58	1933.35
As 188.980	205.747	205.034	217.086
B 249.678	391.586	391.715	394.744
Ba 389.178	198.822	196.864	198.136
Be 313.042	203.643	202.235	202.205
Ca 370.602	19473	19327	19332
Cd 226.502	193.373	192.372	192.490
Co 228.615	198.002	199.369	198.162
Cr 267.716	193.127	191.077	190.859
Cu 324.754	202.008	203.466	197.777
Fe 271.441	20641.1	20529.0	20589.7
K 766.491	20017.2	19954.2	19972.3
Mg 279.078	19680.9	19554.8	19579.7
Mn 257.610	2034.27	2024.11	2026.25
Mo 202.032	195.166	192.577	193.135
Na 330.237	17752.2	17647.6	17338.1
Ni 231.604	196.268	198.211	196.773
Pb 220.353	190.416	190.042	189.883
Sb 206.834	186.226	194.317	184.247
Se 196.026	192.263	194.370	201.475
Sn 189.925	199.014	201.599	189.920
Sr 216.596	207.810	205.214	205.598
Ti 334.941	195.757	195.227	194.764
Tl 190.794	45.4508	47.0720	51.5716
V 292.401	200.525	199.765	200.391
Zn 206.200	188.177	184.970	186.786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	207.239	ppb	0.7585	0.4	14515.4
Al 308.215	1933.53	ppb	7.0466	0.4	11547.2
As 188.980	209.289	ppb	6.7621	3.2	129.010
B 249.678	392.682	ppb	1.7871	0.5	3883.26
Ba 389.178	197.941	ppb	0.9934	0.5	4944.65
Be 313.042	202.694	ppb	0.8217	0.4	397635
Ca 370.602	19377	ppb	82.50	0.4	62261
Cd 226.502	192.745	ppb	0.5475	0.3	7307.29
Co 228.615	198.511	ppb	0.7472	0.4	2342.63
Cr 267.716	191.688	ppb	1.2515	0.7	8380.64
Cu 324.754	201.084	ppb	2.9553	1.5	10028.0
Fe 271.441	20586.6	ppb	56.1045	0.3	35045.7
K 766.491	19981.2	ppb	32.4568	0.2	1006715
Mg 279.078	19605.2	ppb	66.7881	0.3	40839.6
Mn 257.610	2028.21	ppb	5.3560	0.3	467349
Mo 202.032	193.626	ppb	1.3624	0.7	1292.85
Na 330.237	17579.3	ppb	215.368	1.2	898.154
Ni 231.604	197.084	ppb	1.0081	0.5	518.183
Pb 220.353	190.113	ppb	0.2736	0.1	317.457
Sb 206.834	188.263	ppb	5.3351	2.8	178.335
Se 196.026	196.036	ppb	4.8269	2.5	95.8692
Sn 189.925	196.844	ppb	6.1342	3.1	151.698
Sr 216.596	206.207	ppb	1.4013	0.7	2017.23
Ti 334.941	195.249	ppb	0.4970	0.3	51683.0
Tl 190.794	48.0314	ppb	3.1712	6.6	29.0923
V 292.401	200.227	ppb	0.4059	0.2	5587.30
Zn 206.200	186.644	ppb	1.6078	0.9	203.656

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680-88559-a-1-a (Samp) 3/27/2013, 5:14:22 AM Rack 3, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1774	-0.8391u	-0.4124u
Al 308.215	19.7090	17.4767	19.0848
As 188.980	1.4488	0.7703	0.4685
B 249.678	211.079	210.673	213.314
Ba 389.178	240.173	239.683	242.345
Be 313.042	0.0782	0.0810	0.0788
Ca 370.602	8026	7979	8045
Cd 226.502	-0.4029	-0.2037	-0.1680
Co 228.615	0.2246	-0.0406u	-0.1214u
Cr 267.716	0.0592	0.1401	0.2613
Cu 324.754	0.0016	-0.2496u	0.2850
Fe 271.441	20217.3	20109.8	20314.7
K 766.491	1196.38	1188.72	1196.32
Mg 279.078	7754.40	7719.49	7798.13
Mn 257.610	221.932	221.117	223.348
Mo 202.032	0.9169	0.9360	-0.4676u
Na 330.237	29641.4	29326.4	29148.6
Ni 231.604	3.1594	1.8112	1.8512
Pb 220.353	0.6987	0.7181	3.9272
Sb 206.834	5.0454	-3.2797u	-0.3813
Se 196.026	5.5610	7.8846	4.1172
Sn 189.925	0.9678	3.3782	1.3813
Sr 216.596	93.1414	92.7129	92.7584
Ti 334.941	0.0959	-0.0182	-0.0052
Tl 190.794	3.5330	-3.4270u	1.7059
V 292.401	-0.1843u	0.3643	0.0658
Zn 206.200	3.0008	4.4457	4.6423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3580	ppb	0.5104	142.6	-94.6652
Al 308.215	18.7568	ppb	1.1517	6.1	374.655
As 188.980	0.8958	ppb	0.5021	56.0	0.0081
B 249.678	211.689	ppb	1.4222	0.7	2175.09
Ba 389.178	240.734	ppb	1.4166	0.6	5966.12
Be 313.042	0.0793	ppb	0.0015	1.9	-56.6066
Ca 370.602	8017	ppb	33.94	0.4	24739
Cd 226.502	-0.2582	ppb	0.1266	49.0	50.6512
Co 228.615	0.0209	ppb	0.1810	867.7	11.4176
Cr 267.716	0.1535	ppb	0.1017	66.2	15.0384
Cu 324.754	0.0123	ppb	0.2674	2168.4	116.760
Fe 271.441	20213.9	ppb	102.447	0.5	34379.5
K 766.491	1193.81	ppb	4.4036	0.4	60341.2
Mg 279.078	7757.34	ppb	39.4028	0.5	16186.2
Mn 257.610	222.133	ppb	1.1289	0.5	51317.1
Mo 202.032	0.4618	ppb	0.8049	174.3	11.3513
Na 330.237	29372.1	ppb	249.582	0.8	1509.87
Ni 231.604	2.2739	ppb	0.7671	33.7	8.6830
Pb 220.353	1.7813	ppb	1.8584	104.3	6.5087
Sb 206.834	0.4615	ppb	4.2261	915.7	2.3215
Se 196.026	5.8543	ppb	1.9007	32.5	1.9109
Sn 189.925	1.9091	ppb	1.2890	67.5	0.1757
Sr 216.596	92.8709	ppb	0.2353	0.3	921.317
Ti 334.941	0.0242	ppb	0.0625	258.6	-52.4005
Tl 190.794	0.6040	ppb	3.6085	597.5	-1.7420
V 292.401	0.0819	ppb	0.2747	335.2	6.0262
Zn 206.200	4.0296	ppb	0.8964	22.2	8.6488

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680-88559-a-1-aSD^5 (Samp) 3/27/2013, 5:19:49 AM Rack 3, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4761u	-0.3903u	1.3145
Al 308.215	-1.4594u	1.3758	-0.2571u
As 188.980	2.1548	2.4219	-4.0012u
B 249.678	35.9262	34.5457	34.8053
Ba 389.178	47.2800	46.8166	47.8920
Be 313.042	-0.0002u	-0.0009u	0.0094
Ca 370.602	1574	1560	1564
Cd 226.502	-0.2417	-0.1259	0.0999
Co 228.615	0.5875	0.2188	0.2262
Cr 267.716	0.2369	-0.2304u	-0.3562u
Cu 324.754	-0.0165	-0.4967u	0.3020
Fe 271.441	3966.79	3921.74	3958.73
K 766.491	235.608	233.214	233.581
Mg 279.078	1540.80	1531.53	1538.06
Mn 257.610	43.4532	43.1423	43.2329
Mo 202.032	0.5635	-0.5857u	0.9714
Na 330.237	5682.73	5923.97	5815.82
Ni 231.604	-0.5301u	-0.9370u	-0.9334u
Pb 220.353	-3.7847u	-0.4275u	1.5591
Sb 206.834	-4.7231u	2.5683	-3.6123u
Se 196.026	14.2563	0.7244	2.6744
Sn 189.925	3.3042	0.7319	0.3883
Sr 216.596	17.8100	17.6305	17.7813
Ti 334.941	-0.0295u	0.0425	0.0092
Tl 190.794	-2.2036u	-0.8087u	4.6020
V 292.401	0.1078	-0.2575u	-0.0219u
Zn 206.200	-1.1693u	-1.9038u	-1.4110u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1494	ppb	1.0099	676.2	-56.3453
Al 308.215	-0.1136	ppb	1.4231	1253.1	264.773
As 188.980	0.1918	ppb	3.6337	1894.4	-0.3174
B 249.678	35.0924	ppb	0.7336	2.1	523.315
Ba 389.178	47.3296	ppb	0.5394	1.1	1148.84
Be 313.042	0.0028	ppb	0.0057	206.9	-205.520
Ca 370.602	1566	ppb	7.393	0.5	4828
Cd 226.502	-0.0892	ppb	0.1737	194.7	17.3620
Co 228.615	0.3442	ppb	0.2108	61.2	15.7757
Cr 267.716	-0.1165	ppb	0.3125	268.2	-1.3218
Cu 324.754	-0.0704	ppb	0.4021	571.3	107.956
Fe 271.441	3949.09	ppb	24.0250	0.6	6719.46
K 766.491	234.134	ppb	1.2893	0.6	11999.8
Mg 279.078	1536.80	ppb	4.7618	0.3	3226.95
Mn 257.610	43.2761	ppb	0.1599	0.4	10045.1
Mo 202.032	0.3164	ppb	0.8074	255.2	11.1301
Na 330.237	5807.51	ppb	120.834	2.1	298.556
Ni 231.604	-0.8002	ppb	0.2339	29.2	0.3084
Pb 220.353	-0.8844	ppb	2.7010	305.4	2.0684
Sb 206.834	-1.9224	ppb	3.9285	204.4	-0.2499
Se 196.026	5.8850	ppb	7.3150	124.3	1.7878
Sn 189.925	1.4748	ppb	1.5936	108.1	-0.1721
Sr 216.596	17.7406	ppb	0.0965	0.5	182.843
Ti 334.941	0.0074	ppb	0.0360	484.6	-83.3981
Tl 190.794	0.5299	ppb	3.5948	678.4	-1.0415
V 292.401	-0.0572	ppb	0.1852	323.7	2.2556
Zn 206.200	-1.4947	ppb	0.3743	25.0	0.0103

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680-88559-a-1-aPDS (Samp) **3/27/2013, 5:25:16 AM** **Rack 3, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.0849	50.3030	50.3714
Al 308.215	1975.63	1976.37	1979.76
As 188.980	2185.50	2173.86	2151.45
B 249.678	1228.58	1244.20	1247.89
Ba 389.178	2307.55	2310.01	2305.46
Be 313.042	51.4316	51.6088	51.6155
Ca 370.602	12783	12815	12813
Cd 226.502	49.5227	49.4470	49.5247
Co 228.615	515.833	519.178	516.760
Cr 267.716	196.429	196.978	198.180
Cu 324.754	254.592	255.140	253.825
Fe 271.441	20699.4	20756.4	20728.1
K 766.491	6543.69	6538.88	6525.25
Mg 279.078	12697.7	12711.9	12698.5
Mn 257.610	734.816	736.597	736.365
Mo 202.032	502.837	506.601	505.203
Na 330.237	33979.1	34000.9	33875.4
Ni 231.604	507.894	508.675	502.594
Pb 220.353	491.487	495.958	494.663
Sb 206.834	490.387	494.467	489.762
Se 196.026	2009.77	2006.82	2007.44
Sn 189.925	1034.44	1032.43	1039.23
Sr 216.596	598.092	602.560	604.599
Ti 334.941	992.682	995.895	999.716
Tl 190.794	2043.31	2043.44	2027.51
V 292.401	513.323	513.767	512.493
Zn 206.200	498.135	491.345	491.408

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5865	ppb	0.4330	0.9	3472.76
Al 308.215	1977.25	ppb	2.2028	0.1	11838.1
As 188.980	2170.27	ppb	17.3085	0.8	1342.40
B 249.678	1240.22	ppb	10.2530	0.8	11883.7
Ba 389.178	2307.67	ppb	2.2775	0.1	57020.4
Be 313.042	51.5520	ppb	0.1043	0.2	100880
Ca 370.602	12804	ppb	17.55	0.1	40695
Cd 226.502	49.4981	ppb	0.0443	0.1	1922.51
Co 228.615	517.257	ppb	1.7273	0.3	6098.18
Cr 267.716	197.196	ppb	0.8954	0.5	8616.31
Cu 324.754	254.519	ppb	0.6607	0.3	12666.5
Fe 271.441	20728.0	ppb	28.4856	0.1	35337.7
K 766.491	6535.94	ppb	9.5673	0.1	329439
Mg 279.078	12702.7	ppb	7.9814	0.1	26480.2
Mn 257.610	735.926	ppb	0.9682	0.1	169680
Mo 202.032	504.880	ppb	1.9028	0.4	3357.83
Na 330.237	33951.8	ppb	67.0675	0.2	1734.38
Ni 231.604	506.388	ppb	3.3086	0.7	1327.12
Pb 220.353	494.036	ppb	2.3003	0.5	818.142
Sb 206.834	491.539	ppb	2.5555	0.5	456.379
Se 196.026	2008.01	ppb	1.5585	0.1	986.511
Sn 189.925	1035.37	ppb	3.4980	0.3	803.477
Sr 216.596	601.750	ppb	3.3282	0.6	5855.04
Ti 334.941	996.098	ppb	3.5213	0.4	263669
Tl 190.794	2038.09	ppb	9.1607	0.4	1397.55
V 292.401	513.195	ppb	0.6470	0.1	14340.0
Zn 206.200	493.629	ppb	3.9019	0.8	773.756

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680-88559-a-1-b ms (Samp) **3/27/2013, 5:30:43 AM** **Rack 3, Tube 45****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	22.9410	23.9908	23.1129
Al 308.215	4925.92	4947.03	4928.71
As 188.980	101.740	107.018	108.364
B 249.678	434.097	435.216	436.491
Ba 389.178	347.102	345.136	346.410
Be 313.042	51.3668	51.5650	51.5587
Ca 370.602	12937	12984	12976
Cd 226.502	48.8049	49.3170	49.2466
Co 228.615	51.2401	51.1207	50.3060
Cr 267.716	97.9020	97.9985	98.1946
Cu 324.754	101.306	101.095	100.390
Fe 271.441	25508.6	25566.9	25572.9
K 766.491	6407.93	6415.77	6410.44
Mg 279.078	12844.2	12888.2	12857.5
Mn 257.610	734.656	737.104	735.999
Mo 202.032	99.3180	97.7982	99.4102
Na 330.237	34584.1	34824.4	34556.0
Ni 231.604	101.571	99.7740	98.2571
Pb 220.353	47.6375	47.0959	50.4289
Sb 206.834	49.5333	50.2534	46.3775
Se 196.026	98.6042	107.218	99.6568
Sn 189.925	201.153	201.570	201.858
Sr 216.596	193.123	193.495	194.314
Ti 334.941	97.9160	98.1514	98.3460
Tl 190.794	41.9780	50.9323	47.1740
V 292.401	101.866	102.829	102.344
Zn 206.200	99.0501	96.5337	94.8239

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.3483	ppb	0.5631	2.4	1571.66
Al 308.215	4933.89	ppb	11.4641	0.2	29007.2
As 188.980	105.707	ppb	3.5014	3.3	64.8308
B 249.678	435.268	ppb	1.1977	0.3	4280.63
Ba 389.178	346.216	ppb	0.9974	0.3	8593.68
Be 313.042	51.4969	ppb	0.1127	0.2	100856
Ca 370.602	12966	ppb	25.38	0.2	40646
Cd 226.502	49.1228	ppb	0.2776	0.6	1920.07
Co 228.615	50.8889	ppb	0.5083	1.0	608.367
Cr 267.716	98.0317	ppb	0.1491	0.2	4290.19
Cu 324.754	100.930	ppb	0.4799	0.5	5092.71
Fe 271.441	25549.5	ppb	35.5404	0.1	43462.1
K 766.491	6411.38	ppb	4.0007	0.1	323165
Mg 279.078	12863.3	ppb	22.5778	0.2	26814.8
Mn 257.610	735.920	ppb	1.2263	0.2	169692
Mo 202.032	98.8422	ppb	0.9053	0.9	663.798
Na 330.237	34654.8	ppb	147.529	0.4	1779.43
Ni 231.604	99.8672	ppb	1.6587	1.7	264.033
Pb 220.353	48.3875	ppb	1.7886	3.7	83.2973
Sb 206.834	48.7214	ppb	2.0616	4.2	47.5160
Se 196.026	101.826	ppb	4.6990	4.6	49.2579
Sn 189.925	201.527	ppb	0.3547	0.2	155.341
Sr 216.596	193.644	ppb	0.6095	0.3	1900.72
Ti 334.941	98.1378	ppb	0.2153	0.2	25944.4
Tl 190.794	46.6947	ppb	4.4963	9.6	29.2396
V 292.401	102.346	ppb	0.4815	0.5	2857.83
Zn 206.200	96.8026	ppb	2.1259	2.2	153.439

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88559-a-1-c msd (Samp) 3/27/2013, 5:36:10 AM Rack 3, Tube 46**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.3922	23.8444	22.9432
Al 308.215	4880.51	4878.92	4870.00
As 188.980	109.536	94.8925	107.178
B 249.678	414.248	417.802	415.968
Ba 389.178	338.010	338.546	338.017
Be 313.042	50.9935	51.0583	50.9697
Ca 370.602	12697	12721	12689
Cd 226.502	48.5710	48.3875	48.3205
Co 228.615	49.1952	51.3718	49.4846
Cr 267.716	96.8264	97.1536	97.3535
Cu 324.754	99.0058	99.4211	97.5555
Fe 271.441	24911.3	24894.9	24905.9
K 766.491	6312.06	6316.41	6323.39
Mg 279.078	12605.0	12591.6	12576.1
Mn 257.610	724.373	725.056	723.956
Mo 202.032	96.7273	97.3234	97.4539
Na 330.237	34017.2	33852.5	33927.0
Ni 231.604	99.6299	99.3926	100.883
Pb 220.353	50.2164	47.3955	47.5501
Sb 206.834	46.4334	42.3513	48.3201
Se 196.026	97.0609	93.1669	93.0713
Sn 189.925	203.183	197.714	198.032
Sr 216.596	190.924	190.428	190.868
Ti 334.941	97.1510	97.3501	97.2208
Tl 190.794	40.8242	44.3282	38.5752
V 292.401	100.510	100.940	101.216
Zn 206.200	97.2920	98.3020	96.9361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.3933	ppb	0.4506	1.9	1574.96
Al 308.215	4876.48	ppb	5.6653	0.1	28672.7
As 188.980	103.869	ppb	7.8624	7.6	63.6971
B 249.678	416.006	ppb	1.7772	0.4	4099.40
Ba 389.178	338.191	ppb	0.3072	0.1	8393.75
Be 313.042	51.0072	ppb	0.0459	0.1	99894.6
Ca 370.602	12702	ppb	16.38	0.1	39831
Cd 226.502	48.4264	ppb	0.1297	0.3	1892.32
Co 228.615	50.0172	ppb	1.1820	2.4	598.169
Cr 267.716	97.1112	ppb	0.2661	0.3	4249.82
Cu 324.754	98.6608	ppb	0.9795	1.0	4980.67
Fe 271.441	24904.0	ppb	8.3865	0.0	42364.2
K 766.491	6317.29	ppb	5.7129	0.1	318425
Mg 279.078	12590.9	ppb	14.4688	0.1	26247.3
Mn 257.610	724.462	ppb	0.5551	0.1	167050
Mo 202.032	97.1682	ppb	0.3874	0.4	652.721
Na 330.237	33932.3	ppb	82.4660	0.2	1742.34
Ni 231.604	99.9686	ppb	0.8010	0.8	264.285
Pb 220.353	48.3873	ppb	1.5859	3.3	83.2992
Sb 206.834	45.7016	ppb	3.0509	6.7	44.6917
Se 196.026	94.4330	ppb	2.2763	2.4	45.6160
Sn 189.925	199.643	ppb	3.0699	1.5	153.876
Sr 216.596	190.740	ppb	0.2717	0.1	1872.23
Ti 334.941	97.2406	ppb	0.1010	0.1	25705.6
Tl 190.794	41.2426	ppb	2.8992	7.0	25.5280
V 292.401	100.889	ppb	0.3558	0.4	2817.25
Zn 206.200	97.5100	ppb	0.7986	0.7	154.549

680-88559-a-2-a (Samp) 3/27/2013, 5:41:37 AM Rack 3, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5984u	-0.8502u	-0.1485u
Al 308.215	73.3771	72.0094	69.8062
As 188.980	-3.3492u	-7.5460u	-9.6958u
B 249.678	37.8854	37.4151	35.0092
Ba 389.178	89.7377	89.5612	89.1836
Be 313.042	0.0264	0.0120	0.0185
Ca 370.602	6394	6416	6359
Cd 226.502	0.0571	-0.1837	-0.1274
Co 228.615	-0.2990u	0.2732	0.9886
Cr 267.716	29.8206	30.4197	29.7340
Cu 324.754	0.8283	0.9826	0.8767
Fe 271.441	5644.07	5650.03	5605.04
K 766.491	1178.01	1185.10	1178.20
Mg 279.078	3822.86	3837.12	3805.33
Mn 257.610	42.7514	42.7695	42.4690
Mo 202.032	-0.0179u	0.7136	1.2680
Na 330.237	23843.2	24180.4	24021.2
Ni 231.604	0.5923	0.4623	0.1063
Pb 220.353	-3.4989u	-1.0145u	1.0343
Sb 206.834	-8.2475u	4.9609	-5.6282u
Se 196.026	0.5724	10.2907	6.5799
Sn 189.925	-0.4626u	0.7847	0.6329
Sr 216.596	51.6108	52.4687	50.8547
Ti 334.941	0.2249	0.1923	0.2005
Tl 190.794	6.5367	0.8349	1.9720
V 292.401	1.4915	1.4084	1.3283
Zn 206.200	1.1830	1.0245	0.7541

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5324	ppb	0.3555	66.8	-105.812
Al 308.215	71.7309	ppb	1.8017	2.5	683.174
As 188.980	-6.8637	ppb	3.2279	47.0	-4.6601
B 249.678	36.7699	ppb	1.5428	4.2	537.566
Ba 389.178	89.4942	ppb	0.2831	0.3	2198.86
Be 313.042	0.0190	ppb	0.0072	38.1	-174.576
Ca 370.602	6390	ppb	28.91	0.5	20592
Cd 226.502	-0.0847	ppb	0.1259	148.8	21.5876
Co 228.615	0.3209	ppb	0.6452	201.0	15.5328
Cr 267.716	29.9914	ppb	0.3734	1.2	1313.73
Cu 324.754	0.8959	ppb	0.0789	8.8	156.060
Fe 271.441	5633.05	ppb	24.4351	0.4	9583.35
K 766.491	1180.44	ppb	4.0434	0.3	59667.7
Mg 279.078	3821.77	ppb	15.9256	0.4	7987.48
Mn 257.610	42.6633	ppb	0.1685	0.4	9921.24
Mo 202.032	0.6546	ppb	0.6450	98.5	13.2949
Na 330.237	24014.9	ppb	168.670	0.7	1237.76
Ni 231.604	0.3870	ppb	0.2516	65.0	3.4481
Pb 220.353	-1.1597	ppb	2.2701	195.7	1.6113
Sb 206.834	-2.9716	ppb	6.9935	235.3	-0.9197
Se 196.026	5.8143	ppb	4.9041	84.3	1.7627
Sn 189.925	0.3183	ppb	0.6805	213.8	-1.0630
Sr 216.596	51.6447	ppb	0.8075	1.6	514.168
Ti 334.941	0.2059	ppb	0.0169	8.2	-22.2892
Tl 190.794	3.1145	ppb	3.0177	96.9	0.6755
V 292.401	1.4094	ppb	0.0816	5.8	41.3529
Zn 206.200	0.9872	ppb	0.2169	21.8	3.7981

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680-88559-a-3-a (Samp) 3/27/2013, 5:47:04 AM Rack 3, Tube 48

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2546u	-0.1468u	-0.9600u
Al 308.215	63.3985	61.3796	62.8182
As 188.980	-3.3531u	-2.7613u	-0.7793u
B 249.678	35.8343	36.7106	36.8527
Ba 389.178	194.077	193.171	195.007
Be 313.042	0.2119	0.2245	0.2193
Ca 370.602	35936	35954	36177
Cd 226.502	-0.5589	-0.4710	-0.3952
Co 228.615	2.1261	1.6143	1.9879
Cr 267.716	2.7098	2.5578	2.2401
Cu 324.754	-0.2105	0.2867	0.4743
Fe 271.441	110842	110873	111598
K 766.491	3896.93	3904.27	3941.11
Mg 279.078	38750.7	38721.1	39050.5
Mn 257.610	640.838	641.645	646.151
Mo 202.032	-0.5338u	-0.2971u	-0.5785u
Na 330.237	76202.8	76205.3	76926.0
Ni 231.604	3.8986	7.6374	6.6721
Pb 220.353	0.4984	-3.5883u	0.8391
Sb 206.834	-0.6459	-5.2742u	-5.6030u
Se 196.026	9.4396	6.0163	2.9646
Sn 189.925	2.5582	4.8776	2.5025
Sr 216.596	443.783	443.944	444.137
Ti 334.941	-0.0858	-0.1354	-0.0935
Tl 190.794	0.9363u	-2.6285u	2.5617u
V 292.401	1.0473	0.6548	-0.0480u
Zn 206.200	4.3442	0.7299	2.5743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4538	ppb	0.4417	97.3	-115.511
Al 308.215	62.5321	ppb	1.0394	1.7	629.430
As 188.980	-2.2979	ppb	1.3480	58.7	-2.6543
B 249.678	36.4659	ppb	0.5516	1.5	435.769
Ba 389.178	194.085	ppb	0.9179	0.5	5037.81
Be 313.042	0.2185	ppb	0.0063	2.9	217.975
Ca 370.602	36022	ppb	134.4	0.4	109470
Cd 226.502	-0.4750	ppb	0.0819	17.3	264.510
Co 228.615	1.9094	ppb	0.2648	13.9	30.5068
Cr 267.716	2.5026	ppb	0.2397	9.6	139.465
Cu 324.754	0.1835	ppb	0.3538	192.8	151.605
Fe 271.441	111104	ppb	427.917	0.4	188948
K 766.491	3914.10	ppb	23.6780	0.6	197370
Mg 279.078	38840.7	ppb	182.254	0.5	80951.2
Mn 257.610	642.878	ppb	2.8632	0.4	148641
Mo 202.032	-0.4698	ppb	0.1512	32.2	1.0143
Na 330.237	76444.7	ppb	416.837	0.5	3912.15
Ni 231.604	6.0693	ppb	1.9409	32.0	20.4803
Pb 220.353	-0.7503	ppb	2.4637	328.4	2.4181
Sb 206.834	-3.8410	ppb	2.7719	72.2	0.2655
Se 196.026	6.1402	ppb	3.2393	52.8	2.6827
Sn 189.925	3.3128	ppb	1.3555	40.9	1.2917
Sr 216.596	443.955	ppb	0.1773	0.0	4377.66
Ti 334.941	-0.1049	ppb	0.0267	25.5	52.3454
Tl 190.794	0.2898	ppb	2.6548	916.0	-5.5755
V 292.401	0.5514	ppb	0.5549	100.6	19.2342
Zn 206.200	2.5495	ppb	1.8973	70.8	6.3250

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Cont Calib Verif (CCV) 3/27/2013, 5:52:31 AM Rack 3, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	492.055	504.305	495.369
Al 308.215	4917.29	4940.91	4914.89
As 188.980	456.301	462.014	461.963
B 249.678	2445.66	2479.35	2480.62
Ba 389.178	4891.11	4924.38	4884.07
Be 313.042	487.561	489.709	486.529
Ca 370.602	4831	4864	4826
Cd 226.502	475.200	475.179	473.820
Co 228.615	489.680	491.018	488.640
Cr 267.716	4689.72	4717.66	4671.71
Cu 324.754	4844.59	4930.14	4706.98
Fe 271.441	4901.54	4942.53	4904.19
K 766.491	10059.9	10155.7	10107.0
Mg 279.078	4820.80	4843.27	4798.60
Mn 257.610	4884.15	4916.71	4877.76
Mo 202.032	471.272	474.841	470.881
Na 330.237	7424.08	7220.46	7306.56
Ni 231.604	2425.92	2434.02	2419.10
Pb 220.353	478.787	480.445	470.445
Sb 206.834	903.876	913.460	917.026
Se 196.026	4770.38	4811.39	4770.88
Sn 189.925	4913.96	4898.84	4890.96
Sr 216.596	2371.50	2384.56	2365.37
Ti 334.941	476.528	480.689	476.242
Tl 190.794	4768.67	4815.01	4787.79
V 292.401	4875.51	4909.86	4878.57
Zn 206.200	2408.23	2424.51	2399.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.243	ppb	6.3362	1.3	34865.0	99.44863
Al 308.215	4924.36	ppb	14.3789	0.3	28916.3	98.48724
As 188.980	460.093	ppb	3.2835	0.7	284.178	92.01856
B 249.678	2468.55	ppb	19.8290	0.8	23493.6	98.74181
Ba 389.178	4899.86	ppb	21.5314	0.4	120989	97.99713
Be 313.042	487.933	ppb	1.6223	0.3	957324	97.58660
Ca 370.602	4840	ppb	20.67	0.4	15822	96.80305
Cd 226.502	474.733	ppb	0.7911	0.2	17869.5	94.94660
Co 228.615	489.779	ppb	1.1918	0.2	5775.10	97.95583
Cr 267.716	4693.03	ppb	23.1497	0.5	204858	93.86062
Cu 324.754	4827.23	ppb	112.588	2.3	237938	96.54467
Fe 271.441	4916.09	ppb	22.9396	0.5	8483.92	98.32178
K 766.491	10107.5	ppb	47.8994	0.5	509349	101.07520
Mg 279.078	4820.89	ppb	22.3356	0.5	9990.89	96.41788
Mn 257.610	4892.88	ppb	20.8887	0.4	1126997	97.85754
Mo 202.032	472.331	ppb	2.1821	0.5	3135.03	94.46619
Na 330.237	7317.03	ppb	102.215	1.4	354.278	97.56044
Ni 231.604	2426.35	ppb	7.4716	0.3	6348.11	97.05386
Pb 220.353	476.559	ppb	5.3593	1.1	790.455	95.31185
Sb 206.834	911.454	ppb	6.8007	0.7	893.878	91.14540
Se 196.026	4784.22	ppb	23.5336	0.5	2352.51	95.68432
Sn 189.925	4901.25	ppb	11.6859	0.2	3808.39	98.02505
Sr 216.596	2373.81	ppb	9.8014	0.4	23083.4	94.95242
Ti 334.941	477.820	ppb	2.4890	0.5	126427	95.56399
Tl 190.794	4790.49	ppb	23.2900	0.5	3286.14	95.80984
V 292.401	4887.98	ppb	19.0115	0.4	137096	97.75963
Zn 206.200	2410.76	ppb	12.6674	0.5	3758.09	96.43052

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (CCB) 3/27/2013, 5:57:58 AM Rack 3, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4521u	-0.1589u	0.3912
Al 308.215	-7.6330u	-4.1687u	-3.3562u
As 188.980	-1.6260u	-0.9224u	-4.7160u
B 249.678	45.5772	42.2036	37.8868
Ba 389.178	0.3292	0.5836	-0.4490u
Be 313.042	-0.0146u	-0.0017u	-0.0099u
Ca 370.602	-4.823u	-2.713u	-7.739u
Cd 226.502	-0.0792u	0.1288	-0.1091u
Co 228.615	-0.3841u	-0.2888u	-0.0126u
Cr 267.716	-0.1742u	-0.1464u	0.2521
Cu 324.754	-0.3821u	-0.5285u	0.0384
Fe 271.441	-2.2836u	4.4740	3.1864
K 766.491	0.5704	0.4596	0.0461
Mg 279.078	2.2566	1.5083	-0.5588u
Mn 257.610	-0.0670u	0.0434	0.0306
Mo 202.032	0.7481	1.0117	0.4996
Na 330.237	-107.113u	211.861	-159.324u
Ni 231.604	0.4608	0.7148	0.5463
Pb 220.353	-0.4714u	-1.9788u	-1.2688u
Sb 206.834	1.8443	1.4359	7.1658
Se 196.026	-1.1570u	1.2677	-4.6518u
Sn 189.925	9.1092	1.5900	0.7052
Sr 216.596	-0.4182u	-0.4103u	-0.1681u
Ti 334.941	0.2049	0.0992	0.0490
Tl 190.794	6.4095	5.7413	7.9168
V 292.401	-0.3285u	-0.2570u	0.1921
Zn 206.200	0.3462	-0.3012u	-0.6279u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0733	ppb	0.4281	584.3	-71.3835	-0.07327
Al 308.215	-5.0526	ppb	2.2713	45.0	236.080	-5.05265
As 188.980	-2.4215	ppb	2.0180	83.3	-1.9080	-2.42148
B 249.678	41.8892	ppb	3.8548	9.2	591.175	41.88921
Ba 389.178	0.1546	ppb	0.5380	348.0	-26.1997	0.15460
Be 313.042	-0.0087	ppb	0.0065	74.7	-227.861	-0.00873
Ca 370.602	-5.092	ppb	2.523	49.6	-23.11	-5.09187
Cd 226.502	-0.0198	ppb	0.1296	654.0	10.3567	-0.01982
Co 228.615	-0.2285	ppb	0.1929	84.4	9.1689	-0.22853
Cr 267.716	-0.0228	ppb	0.2385	1044.5	1.6592	-0.02283
Cu 324.754	-0.2907	ppb	0.2943	101.2	95.9654	-0.29072
Fe 271.441	1.7923	ppb	3.5880	200.2	6.6553	1.79228
K 766.491	0.3587	ppb	0.2764	77.0	223.882	0.35869
Mg 279.078	1.0687	ppb	1.4583	136.5	27.5648	1.06867
Mn 257.610	0.0023	ppb	0.0604	2607.7	59.2714	0.00232
Mo 202.032	0.7531	ppb	0.2561	34.0	14.2090	0.75314
Na 330.237	-18.1919	ppb	200.935	1104.5	-0.9480	-18.19190
Ni 231.604	0.5740	ppb	0.1293	22.5	3.8210	0.57396
Pb 220.353	-1.2397	ppb	0.7541	60.8	1.4717	-1.23967
Sb 206.834	3.4820	ppb	3.1968	91.8	4.7035	3.48199
Se 196.026	-1.5137	ppb	2.9759	196.6	-1.8837	-1.51369
Sn 189.925	3.8015	ppb	4.6179	121.5	1.6339	3.80145
Sr 216.596	-0.3322	ppb	0.1422	42.8	5.1438	-0.33220
Ti 334.941	0.1177	ppb	0.0796	67.6	-60.7418	0.11774
Tl 190.794	6.6892	ppb	1.1144	16.7	3.3714	6.68920
V 292.401	-0.1311	ppb	0.2822	215.2	0.1018	-0.13113
Zn 206.200	-0.1943	ppb	0.4958	255.2	2.0437	-0.19431

680-88559-a-4-a (Samp) 3/27/2013, 6:03:25 AM Rack 3, Tube 51

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9485u	0.0809	-0.8173u
Al 308.215	33.1389	30.7800	31.4158
As 188.980	-1.1627u	4.9398	-2.3139u
B 249.678	45.1493	46.0308	45.0765
Ba 389.178	35.6582	34.1664	34.5275
Be 313.042	-0.0015u	0.0049	0.0051
Ca 370.602	2553	2559	2555
Cd 226.502	0.0609	0.0119	-0.2122
Co 228.615	0.9388	0.3510	0.2608
Cr 267.716	0.8017	0.4772	0.4218
Cu 324.754	0.5140	0.2870	-0.1995u
Fe 271.441	4525.30	4546.81	4552.82
K 766.491	889.638	890.154	885.848
Mg 279.078	1808.84	1812.15	1829.64
Mn 257.610	21.4972	21.6360	21.6949
Mo 202.032	-0.6200u	0.0462	0.6597
Na 330.237	14953.2	15026.0	15009.9
Ni 231.604	-0.3358u	1.0678	0.2843
Pb 220.353	-0.7622u	2.4144	0.9111
Sb 206.834	0.3337	-3.9383u	-2.4078u
Se 196.026	12.2118	3.8931	13.6211
Sn 189.925	0.6814	1.1908	0.8937
Sr 216.596	21.0630	22.2153	22.3690
Ti 334.941	0.1955	0.2284	0.2477
Tl 190.794	-2.6926u	0.2075u	0.4748
V 292.401	1.6049	1.8851	1.8723
Zn 206.200	-0.2493u	-1.1600u	0.4613

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5616	ppb	0.5603	99.8	-106.623
Al 308.215	31.7782	ppb	1.2205	3.8	450.446
As 188.980	0.4877	ppb	3.8983	799.3	-0.1319
B 249.678	45.4189	ppb	0.5312	1.2	620.238
Ba 389.178	34.7840	ppb	0.7783	2.2	840.757
Be 313.042	0.0028	ppb	0.0038	134.3	-206.343
Ca 370.602	2556	ppb	3.100	0.1	8042
Cd 226.502	-0.0464	ppb	0.1456	313.5	20.3736
Co 228.615	0.5169	ppb	0.3682	71.2	17.7939
Cr 267.716	0.5669	ppb	0.2052	36.2	28.6922
Cu 324.754	0.2005	ppb	0.3646	181.8	121.458
Fe 271.441	4541.64	ppb	14.4699	0.3	7727.24
K 766.491	888.546	ppb	2.3514	0.3	44964.3
Mg 279.078	1816.88	ppb	11.1774	0.6	3810.86
Mn 257.610	21.6094	ppb	0.1015	0.5	5058.09
Mo 202.032	0.0286	ppb	0.6400	2236.5	9.1901
Na 330.237	14996.4	ppb	38.2230	0.3	772.632
Ni 231.604	0.3388	ppb	0.7034	207.6	3.2993
Pb 220.353	0.8544	ppb	1.5891	186.0	4.9345
Sb 206.834	-2.0041	ppb	2.1645	108.0	-0.3061
Se 196.026	9.9087	ppb	5.2570	53.1	3.7644
Sn 189.925	0.9220	ppb	0.2559	27.8	-0.5983
Sr 216.596	21.8824	ppb	0.7138	3.3	223.488
Ti 334.941	0.2239	ppb	0.0264	11.8	-25.5211
Tl 190.794	-0.6701	ppb	1.7566	262.2	-1.8642
V 292.401	1.7874	ppb	0.1582	8.9	54.0207
Zn 206.200	-0.3160	ppb	0.8127	257.2	-1.8512

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88559-a-5-a (Samp) 3/27/2013, 6:08:53 AM Rack 3, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2810u	-0.4202u	-0.3852u
Al 308.215	6.9006	5.5893	1.3247
As 188.980	2.9996	-2.4255u	2.0206
B 249.678	34.1179	36.2319	34.2272
Ba 389.178	193.934	194.837	194.713
Be 313.042	0.0881	0.0946	0.0937
Ca 370.602	4918	4919	4952
Cd 226.502	-0.1064	-0.1584	-0.1419
Co 228.615	0.3569	0.5149	0.5491
Cr 267.716	0.4256	0.5184	0.3393
Cu 324.754	0.6348	-0.0263	0.3972
Fe 271.441	11956.3	11967.3	12027.4
K 766.491	1553.63	1544.56	1549.01
Mg 279.078	4742.08	4744.65	4781.24
Mn 257.610	74.9292	74.8856	75.3399
Mo 202.032	-0.0410u	0.1310	-0.3565u
Na 330.237	19376.5	19033.6	19147.9
Ni 231.604	0.5347	-0.0929	1.7054
Pb 220.353	-1.7204u	-0.1207u	-2.7756u
Sb 206.834	-7.6881u	-1.7257u	-1.7013u
Se 196.026	11.4098	8.7872	2.7693
Sn 189.925	-0.6659u	-0.4601u	-0.8899u
Sr 216.596	60.8235	60.6627	61.2626
Ti 334.941	0.0024	-0.0604	-0.0522
Tl 190.794	2.8710	1.4516	5.9430
V 292.401	0.5863	0.5192	1.1731
Zn 206.200	2.0558	1.3103	1.7399

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3621	ppb	0.0724	20.0	-94.1014
Al 308.215	4.6049	ppb	2.9154	63.3	292.231
As 188.980	0.8649	ppb	2.8913	334.3	0.0462
B 249.678	34.8590	ppb	1.1902	3.4	513.576
Ba 389.178	194.495	ppb	0.4896	0.3	4803.66
Be 313.042	0.0921	ppb	0.0035	3.8	-30.9680
Ca 370.602	4930	ppb	19.36	0.4	15247
Cd 226.502	-0.1356	ppb	0.0266	19.6	35.2023
Co 228.615	0.4736	ppb	0.1025	21.7	17.0213
Cr 267.716	0.4278	ppb	0.0896	20.9	24.4976
Cu 324.754	0.3352	ppb	0.3349	99.9	130.271
Fe 271.441	11983.7	ppb	38.2744	0.3	20383.2
K 766.491	1549.07	ppb	4.5386	0.3	78236.6
Mg 279.078	4755.99	ppb	21.9015	0.5	9934.36
Mn 257.610	75.0515	ppb	0.2507	0.3	17403.2
Mo 202.032	-0.0888	ppb	0.2472	278.4	8.0725
Na 330.237	19186.0	ppb	174.602	0.9	986.621
Ni 231.604	0.7158	ppb	0.9127	127.5	4.4385
Pb 220.353	-1.5389	ppb	1.3368	86.9	0.9940
Sb 206.834	-3.7050	ppb	3.4495	93.1	-1.7367
Se 196.026	7.6554	ppb	4.4300	57.9	2.7128
Sn 189.925	-0.6720	ppb	0.2150	32.0	-1.8351
Sr 216.596	60.9163	ppb	0.3105	0.5	606.715
Ti 334.941	-0.0367	ppb	0.0342	93.0	-81.4546
Tl 190.794	3.4219	ppb	2.2958	67.1	0.6310
V 292.401	0.7595	ppb	0.3597	47.4	25.1263
Zn 206.200	1.7020	ppb	0.3742	22.0	5.0080

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88559-a-6-a (Samp) 3/27/2013, 6:14:20 AM Rack 3, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8058	0.2551	-0.5576u
Al 308.215	1.1274	2.1700	6.3592
As 188.980	0.9179	-4.2955u	1.9278
B 249.678	4.6549	3.8773	3.5451
Ba 389.178	174.937	172.020	174.759
Be 313.042	0.0627	0.0722	0.0752
Ca 370.602	3514	3474	3518
Cd 226.502	-0.0345	-0.3377	-0.0081
Co 228.615	0.1375	-0.2732u	0.0370
Cr 267.716	7.9788	8.3208	8.4573
Cu 324.754	0.0607	0.6078	0.5357
Fe 271.441	7542.94	7456.24	7545.21
K 766.491	3205.09	3163.20	3189.43
Mg 279.078	4223.74	4183.35	4236.65
Mn 257.610	32.0747	31.7501	31.9333
Mo 202.032	0.9495	-0.2865u	0.2705
Na 330.237	14589.0	14361.9	14725.4
Ni 231.604	62.0138	63.4044	60.0776
Pb 220.353	-2.4582u	-2.2624u	-1.0370u
Sb 206.834	-3.5235u	-2.7033u	-7.0925u
Se 196.026	4.9299	6.9416	1.1009
Sn 189.925	0.6473	0.7652	-0.1710u
Sr 216.596	52.9025	53.5600	53.3757
Ti 334.941	0.0657	0.0914	-0.0043
Tl 190.794	-5.2382u	5.0318	-0.2007u
V 292.401	0.1191	-0.0831u	0.0457
Zn 206.200	2.1483	3.7998	1.2944

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1678	ppb	0.6859	408.8	-56.6539
Al 308.215	3.2189	ppb	2.7691	86.0	284.179
As 188.980	-0.4833	ppb	3.3398	691.1	-0.7549
B 249.678	4.0258	ppb	0.5696	14.1	226.713
Ba 389.178	173.905	ppb	1.6351	0.9	4287.01
Be 313.042	0.0700	ppb	0.0065	9.3	-74.2534
Ca 370.602	3502	ppb	24.51	0.7	10911
Cd 226.502	-0.1268	ppb	0.1832	144.5	24.6424
Co 228.615	-0.0329	ppb	0.2141	651.0	11.2552
Cr 267.716	8.2523	ppb	0.2465	3.0	364.893
Cu 324.754	0.4014	ppb	0.2973	74.1	132.240
Fe 271.441	7514.79	ppb	50.7228	0.7	12783.3
K 766.491	3185.91	ppb	21.1684	0.7	160689
Mg 279.078	4214.58	ppb	27.8059	0.7	8806.33
Mn 257.610	31.9194	ppb	0.1627	0.5	7454.06
Mo 202.032	0.3112	ppb	0.6190	198.9	10.9325
Na 330.237	14558.8	ppb	183.640	1.3	749.135
Ni 231.604	61.8320	ppb	1.6709	2.7	164.185
Pb 220.353	-1.9192	ppb	0.7702	40.1	0.3568
Sb 206.834	-4.4398	ppb	2.3337	52.6	-2.4426
Se 196.026	4.3241	ppb	2.9671	68.6	1.0382
Sn 189.925	0.4138	ppb	0.5099	123.2	-0.9931
Sr 216.596	53.2794	ppb	0.3392	0.6	529.591
Ti 334.941	0.0510	ppb	0.0495	97.2	-60.7209
Tl 190.794	-0.1357	ppb	5.1353	3783.9	-1.6128
V 292.401	0.0272	ppb	0.1024	376.1	4.0375
Zn 206.200	2.4141	ppb	1.2737	52.8	6.0967

680-88559-a-7-a (Samp) 3/27/2013, 6:19:47 AM Rack 3, Tube 54
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3311u	-0.5124u	-0.6714u
Al 308.215	35.1177	33.2726	33.5216
As 188.980	-0.1459u	-0.9420u	-0.7939u
B 249.678	5.0251	3.9581	4.5222
Ba 389.178	150.517	149.308	150.370
Be 313.042	0.0456	0.0321	0.0375
Ca 370.602	4911	4886	4898
Cd 226.502	-0.1084	-0.0431	-0.3787
Co 228.615	2.5552	2.0482	1.4062
Cr 267.716	0.5925	0.2695	0.7465
Cu 324.754	0.4517	0.2214	0.5142
Fe 271.441	17743.6	17662.7	17695.6
K 766.491	1288.62	1285.80	1287.87
Mg 279.078	4117.87	4101.05	4121.24
Mn 257.610	327.846	326.762	327.490
Mo 202.032	0.2421	0.1281	0.7540
Na 330.237	46185.5	45901.0	46076.9
Ni 231.604	3.2948	3.0320	2.6438
Pb 220.353	-2.7288u	-2.3355u	0.4133
Sb 206.834	-4.0670u	-4.5883u	-7.0487u
Se 196.026	5.6861	5.5782	3.5608
Sn 189.925	-0.2762u	-0.1374u	1.7701
Sr 216.596	57.2839	57.3712	57.4536
Ti 334.941	0.3295	0.3747	0.4170
Tl 190.794	-1.6278u	-2.7459u	2.0336
V 292.401	0.3170	0.4474	1.1234
Zn 206.200	0.0445	0.6087	1.7648

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5050	ppb	0.1703	33.7	-102.960
Al 308.215	33.9706	ppb	1.0012	2.9	463.260
As 188.980	-0.6273	ppb	0.4234	67.5	-0.9356
B 249.678	4.5018	ppb	0.5338	11.9	221.652
Ba 389.178	150.065	ppb	0.6598	0.4	3713.40
Be 313.042	0.0384	ppb	0.0068	17.7	-139.905
Ca 370.602	4899	ppb	12.33	0.3	14671
Cd 226.502	-0.1767	ppb	0.1780	100.7	47.4357
Co 228.615	2.0032	ppb	0.5758	28.7	34.7989
Cr 267.716	0.5362	ppb	0.2434	45.4	31.8867
Cu 324.754	0.3958	ppb	0.1542	39.0	134.922
Fe 271.441	17700.6	ppb	40.6709	0.2	30105.8
K 766.491	1287.43	ppb	1.4623	0.1	65057.1
Mg 279.078	4113.39	ppb	10.8169	0.3	8592.66
Mn 257.610	327.366	ppb	0.5525	0.2	75526.5
Mo 202.032	0.3747	ppb	0.3334	89.0	10.8879
Na 330.237	46054.5	ppb	143.527	0.3	2371.65
Ni 231.604	2.9902	ppb	0.3275	11.0	10.5046
Pb 220.353	-1.5503	ppb	1.7119	110.4	1.0276
Sb 206.834	-5.2347	ppb	1.5925	30.4	-3.0443
Se 196.026	4.9417	ppb	1.1971	24.2	1.4734
Sn 189.925	0.4521	ppb	1.1435	252.9	-0.9524
Sr 216.596	57.3696	ppb	0.0849	0.1	574.223
Ti 334.941	0.3737	ppb	0.0438	11.7	23.0104
Tl 190.794	-0.7801	ppb	2.5000	320.5	-2.7089
V 292.401	0.6293	ppb	0.4329	68.8	21.1824
Zn 206.200	0.8060	ppb	0.8769	108.8	3.6060

680-88559-a-8-a (Samp) 3/27/2013, 6:25:14 AM Rack 3, Tube 55

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1695u	0.2770	-0.5728u
Al 308.215	27.7789	25.9813	26.3511
As 188.980	1.1560	0.3435	-2.7800u
B 249.678	209.783	212.724	212.938
Ba 389.178	133.751	134.855	132.625
Be 313.042	0.0452	0.0380	0.0337
Ca 370.602	7056	7092	7010
Cd 226.502	-0.3354	-0.3181	-0.2933
Co 228.615	1.4030	1.1359	1.5697
Cr 267.716	0.3680	0.1545	0.2475
Cu 324.754	0.8665	0.3487	0.5390
Fe 271.441	15920.2	15949.1	15890.9
K 766.491	1741.92	1743.58	1741.48
Mg 279.078	5388.39	5380.75	5358.94
Mn 257.610	159.831	160.113	159.276
Mo 202.032	-0.4809u	-0.1354u	-0.8383u
Na 330.237	9505.35	10092.7	9858.18
Ni 231.604	3.9798	7.5711	1.9054
Pb 220.353	-0.3063u	0.2472	-1.2455u
Sb 206.834	-3.4288u	-6.1773u	1.7078
Se 196.026	11.6686	1.2374	5.1461
Sn 189.925	3.3181	-3.3074u	0.6113
Sr 216.596	74.1052	75.2611	74.5617
Ti 334.941	-0.0692	0.0315	0.0103
Tl 190.794	-1.6159u	4.6927	1.0148u
V 292.401	0.5646	-0.0418u	0.0033
Zn 206.200	0.2393	-0.0681u	0.7234

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1551	ppb	0.4251	274.0	-79.8076
Al 308.215	26.7037	ppb	0.9493	3.6	420.851
As 188.980	-0.4268	ppb	2.0780	486.9	-0.7752
B 249.678	211.815	ppb	1.7632	0.8	2180.30
Ba 389.178	133.744	ppb	1.1150	0.8	3311.25
Be 313.042	0.0389	ppb	0.0058	14.9	-133.469
Ca 370.602	7053	ppb	41.16	0.6	21919
Cd 226.502	-0.3156	ppb	0.0211	6.7	38.1094
Co 228.615	1.3695	ppb	0.2188	16.0	27.4308
Cr 267.716	0.2567	ppb	0.1070	41.7	18.0562
Cu 324.754	0.5847	ppb	0.2619	44.8	143.701
Fe 271.441	15920.0	ppb	29.0926	0.2	27077.6
K 766.491	1742.33	ppb	1.1056	0.1	87971.8
Mg 279.078	5376.03	ppb	15.2786	0.3	11225.4
Mn 257.610	159.740	ppb	0.4261	0.3	36922.3
Mo 202.032	-0.4849	ppb	0.3514	72.5	5.2651
Na 330.237	9818.73	ppb	295.638	3.0	501.985
Ni 231.604	4.4854	ppb	2.8665	63.9	14.3785
Pb 220.353	-0.4349	ppb	0.7546	173.5	2.8355
Sb 206.834	-2.6328	ppb	4.0024	152.0	-0.6469
Se 196.026	6.0174	ppb	5.2699	87.6	1.9510
Sn 189.925	0.2073	ppb	3.3312	1606.7	-1.1540
Sr 216.596	74.6427	ppb	0.5822	0.8	742.046
Ti 334.941	-0.0091	ppb	0.0531	583.2	-70.4127
Tl 190.794	1.3639	ppb	3.1687	232.3	-1.0058
V 292.401	0.1754	ppb	0.3379	192.7	8.8911
Zn 206.200	0.2982	ppb	0.3990	133.8	2.8126

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88559-a-9-a (Samp) 3/27/2013, 6:30:41 AM Rack 3, Tube 56
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8553u	-1.1120u	0.4153
Al 308.215	-2.1254u	-2.3062u	-3.7718u
As 188.980	1.4853	0.5354	0.2114
B 249.678	-10.0031u	-9.5359u	-10.4727u
Ba 389.178	0.5645	0.6392	-0.2374u
Be 313.042	-0.0088u	-0.0162u	-0.0082u
Ca 370.602	39.09	42.31	36.82
Cd 226.502	-0.0721u	-0.0169u	0.1409
Co 228.615	-0.2545u	0.6591	-0.3574u
Cr 267.716	0.0454	-0.2226u	0.1378
Cu 324.754	0.0791	0.3024	0.2520
Fe 271.441	13.7917	12.5993	14.8778
K 766.491	1.3222	2.2235	2.2051
Mg 279.078	0.6422	-0.1947u	-3.4821u
Mn 257.610	-0.0308u	0.0037	0.0195
Mo 202.032	0.6672	-0.3685u	0.4436
Na 330.237	200.717	225.830	282.214
Ni 231.604	1.7089	5.9979	3.5008
Pb 220.353	-2.5491u	-1.1552u	-2.1735u
Sb 206.834	-0.2354u	-2.0111u	2.7640
Se 196.026	5.5597	-1.2548u	-3.1058u
Sn 189.925	1.7143	-2.0244u	0.7908
Sr 216.596	0.2511	0.3919	-0.0551u
Ti 334.941	-0.0428u	0.0056	-0.0561u
Tl 190.794	0.9901	0.9775	-6.1391u
V 292.401	0.0740	-0.0138u	0.0082
Zn 206.200	-0.3001u	-1.1905u	1.2043

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5173	ppb	0.8178	158.1	-102.603
Al 308.215	-2.7345	ppb	0.9029	33.0	249.517
As 188.980	0.7440	ppb	0.6620	89.0	0.0513
B 249.678	-10.0039	ppb	0.4684	4.7	101.305
Ba 389.178	0.3221	ppb	0.4860	150.9	-22.0540
Be 313.042	-0.0110	ppb	0.0045	40.3	-232.348
Ca 370.602	39.41	ppb	2.763	7.0	122.6
Cd 226.502	0.0173	ppb	0.1105	639.8	11.7799
Co 228.615	0.0157	ppb	0.5596	3558.5	12.0506
Cr 267.716	-0.0131	ppb	0.1872	1424.0	2.0869
Cu 324.754	0.2111	ppb	0.1171	55.5	120.684
Fe 271.441	13.7563	ppb	1.1396	8.3	27.0393
K 766.491	1.9169	ppb	0.5151	26.9	302.376
Mg 279.078	-1.0116	ppb	2.1801	215.5	23.2326
Mn 257.610	-0.0025	ppb	0.0257	1011.2	58.1729
Mo 202.032	0.2474	ppb	0.5450	220.2	10.8522
Na 330.237	236.254	ppb	41.7366	17.7	12.1808
Ni 231.604	3.7358	ppb	2.1541	57.7	12.0906
Pb 220.353	-1.9593	ppb	0.7212	36.8	0.2838
Sb 206.834	0.1725	ppb	2.4135	1398.9	1.6227
Se 196.026	0.3997	ppb	4.5636	1141.8	-0.9428
Sn 189.925	0.1602	ppb	1.9475	1215.4	-1.1963
Sr 216.596	0.1960	ppb	0.2286	116.6	10.2501
Ti 334.941	-0.0311	ppb	0.0325	104.5	-100.172
Tl 190.794	-1.3905	ppb	4.1124	295.8	-2.1789
V 292.401	0.0228	ppb	0.0457	200.4	4.5102
Zn 206.200	-0.0954	ppb	1.2104	1368.2	2.1980

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88559-a-11-a (Samp) 3/27/2013, 6:36:08 AM Rack 3, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.9918u	-2.5150u	-3.3585u
Al 308.215	2372.57	2372.41	2372.92
As 188.980	10.3686	7.9873	6.1214
B 249.678	97.0882	97.9866	97.3893
Ba 389.178	11.1219	10.8862	10.4623
Be 313.042	0.4197	0.4239	0.4217
Ca 370.602	67464	67494	67434
Cd 226.502	-0.0034	0.1892	0.0547
Co 228.615	4.5951	4.9814	4.2505
Cr 267.716	1.7919	1.7672	1.7506
Cu 324.754	0.9174	1.0785	0.9072
Fe 271.441	17935.9	17907.5	17991.5
K 766.491	32591.4	32657.7	32742.2
Mg 279.078	27679.8	27626.8	27579.8
Mn 257.610	342.299	341.874	341.760
Mo 202.032	1.0815	1.2503	0.9987
Na 330.237	41465.1	41485.6	41653.6
Ni 231.604	6.0193	5.1874	3.9192
Pb 220.353	17.9771	20.2381	21.3087
Sb 206.834	-1.9457u	-3.4182u	-0.0646
Se 196.026	9.8916	5.0643	-1.8821u
Sn 189.925	-3.1498u	5.2317	0.0123
Sr 216.596	265.718	265.101	263.755
Ti 334.941	0.0364	-0.0018	0.0384
Tl 190.794	4.8085	3.5397	0.5973u
V 292.401	7.5246	8.1959	7.7238
Zn 206.200	12.7417	12.4384	13.5222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9551	ppb	0.4230	14.3	-284.653
Al 308.215	2372.63	ppb	0.2602	0.0	14081.4
As 188.980	8.1591	ppb	2.1288	26.1	5.0290
B 249.678	97.4880	ppb	0.4573	0.5	1099.24
Ba 389.178	10.8235	ppb	0.3343	3.1	341.318
Be 313.042	0.4217	ppb	0.0021	0.5	633.107
Ca 370.602	67464	ppb	29.94	0.0	220973
Cd 226.502	0.0802	ppb	0.0988	123.2	58.0189
Co 228.615	4.6090	ppb	0.3656	7.9	65.4078
Cr 267.716	1.7699	ppb	0.0208	1.2	85.7396
Cu 324.754	0.9677	ppb	0.0961	9.9	163.124
Fe 271.441	17945.0	ppb	42.7357	0.2	30521.8
K 766.491	32663.8	ppb	75.5500	0.2	1645569
Mg 279.078	27628.8	ppb	50.0324	0.2	57581.1
Mn 257.610	341.978	ppb	0.2842	0.1	79024.4
Mo 202.032	1.1102	ppb	0.1282	11.6	15.7444
Na 330.237	41534.8	ppb	103.380	0.2	2138.22
Ni 231.604	5.0420	ppb	1.0576	21.0	15.8765
Pb 220.353	19.8413	ppb	1.7009	8.6	36.3149
Sb 206.834	-1.8095	ppb	1.6809	92.9	0.1626
Se 196.026	4.3579	ppb	5.9186	135.8	1.1915
Sn 189.925	0.6981	ppb	4.2327	606.3	-0.7382
Sr 216.596	264.858	ppb	1.0038	0.4	2601.38
Ti 334.941	0.0243	ppb	0.0227	93.1	31.4724
Tl 190.794	2.9818	ppb	2.1603	72.5	-0.1454
V 292.401	7.8147	ppb	0.3448	4.4	223.375
Zn 206.200	12.9007	ppb	0.5591	4.3	22.5179

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680-88559-a-12-a (Samp) 3/27/2013, 6:41:35 AM Rack 3, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1393u	-1.1607u	-1.0375u
Al 308.215	2841.81	2827.13	2830.79
As 188.980	-2.1451u	8.9875	1.8186
B 249.678	94.6857	94.3572	94.8319
Ba 389.178	12.0527	13.1982	13.2684
Be 313.042	1.4410	1.4292	1.4271
Ca 370.602	18660	18548	18484
Cd 226.502	0.3901	0.0952	-0.0227
Co 228.615	11.3542	11.0249	11.4875
Cr 267.716	0.9330	0.6824	1.0064
Cu 324.754	1.2405	1.3013	1.2477
Fe 271.441	3844.67	3839.95	3826.40
K 766.491	21868.2	21897.5	21903.8
Mg 279.078	19915.5	19777.7	19829.9
Mn 257.610	106.114	105.631	105.506
Mo 202.032	-0.2416u	0.1030	-0.4023u
Na 330.237	46997.8	46800.0	46924.0
Ni 231.604	10.1743	8.6834	8.6619
Pb 220.353	9.6601	3.5615	4.3568
Sb 206.834	-1.9687u	5.7512	-8.0553u
Se 196.026	3.8592	7.5583	-0.2513u
Sn 189.925	-0.7690u	-1.1946u	-4.1380u
Sr 216.596	174.505	175.446	173.931
Ti 334.941	-0.2208	-0.1380	-0.1168
Tl 190.794	0.8473	2.4287	-1.7278u
V 292.401	0.0619	-0.1701u	-0.1884u
Zn 206.200	15.4206	14.0459	14.3518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1125	ppb	0.0658	5.9	-151.971
Al 308.215	2833.24	ppb	7.6406	0.3	16763.5
As 188.980	2.8870	ppb	5.6427	195.5	1.4961
B 249.678	94.6249	ppb	0.2431	0.3	1085.43
Ba 389.178	12.8398	ppb	0.6825	5.3	348.075
Be 313.042	1.4324	ppb	0.0075	0.5	2600.44
Ca 370.602	18564	ppb	88.90	0.5	60893
Cd 226.502	0.1542	ppb	0.2126	137.9	26.2392
Co 228.615	11.2889	ppb	0.2381	2.1	144.395
Cr 267.716	0.8739	ppb	0.1699	19.4	42.8424
Cu 324.754	1.2632	ppb	0.0332	2.6	173.630
Fe 271.441	3837.01	ppb	9.4808	0.2	6530.51
K 766.491	21889.9	ppb	19.0254	0.1	1102858
Mg 279.078	19841.0	ppb	69.5557	0.4	41358.0
Mn 257.610	105.750	ppb	0.3212	0.3	24535.4
Mo 202.032	-0.1803	ppb	0.2582	143.2	7.8395
Na 330.237	46907.2	ppb	99.9601	0.2	2419.72
Ni 231.604	9.1732	ppb	0.8670	9.5	26.3907
Pb 220.353	5.8595	ppb	3.3154	56.6	13.1646
Sb 206.834	-1.4243	ppb	6.9193	485.8	0.2353
Se 196.026	3.7221	ppb	3.9066	105.0	0.7390
Sn 189.925	-2.0339	ppb	1.8346	90.2	-2.8787
Sr 216.596	174.627	ppb	0.7647	0.4	1712.61
Ti 334.941	-0.1585	ppb	0.0549	34.7	-52.1644
Tl 190.794	0.5161	ppb	2.0980	406.5	-1.1063
V 292.401	-0.0989	ppb	0.1396	141.1	0.9080
Zn 206.200	14.6061	ppb	0.7218	4.9	251880

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680-88559-c-13-a (Samp) 3/27/2013, 6:47:02 AM Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.0463u	-3.2572u	-1.8451u
Al 308.215	3182.24	3213.34	3226.26
As 188.980	7.8759	7.8688	6.3344
B 249.678	292.031	295.530	301.702
Ba 389.178	23.3176	22.3862	21.9741
Be 313.042	1.1019	1.1074	1.1052
Ca 370.602	19045	19224	19250
Cd 226.502	0.1071	0.0500	-0.1032
Co 228.615	6.3239	6.7770	6.3827
Cr 267.716	0.1958	0.2173	0.1612
Cu 324.754	-0.2329u	0.3671	-0.0744u
Fe 271.441	3313.70	3368.19	3365.59
K 766.491	13842.2	13963.0	13954.8
Mg 279.078	14950.8	15090.0	15113.2
Mn 257.610	160.972	162.663	162.907
Mo 202.032	0.4401	0.0576	-0.1520u
Na 330.237	11797.8	11727.8	11507.0
Ni 231.604	6.8784	6.0320	6.3852
Pb 220.353	-2.9543u	-1.5514u	-3.0988u
Sb 206.834	-3.7135u	5.8578	-0.5703u
Se 196.026	0.9714	-7.3941u	8.3882
Sn 189.925	5.4866	0.1469	-0.5222u
Sr 216.596	151.724	152.561	152.896
Ti 334.941	0.0207	-0.0090	-0.1012
Tl 190.794	4.8780	2.5942	1.5597
V 292.401	12.7092	12.5213	12.7467
Zn 206.200	7.5260	6.4977	6.8331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7162	ppb	0.7617	28.0	-263.459
Al 308.215	3207.28	ppb	22.6295	0.7	18941.4
As 188.980	7.3597	ppb	0.8880	12.1	4.2742
B 249.678	296.421	ppb	4.8966	1.7	2990.78
Ba 389.178	22.5593	ppb	0.6883	3.1	574.013
Be 313.042	1.1048	ppb	0.0028	0.3	1962.04
Ca 370.602	19173	ppb	111.5	0.6	62944
Cd 226.502	0.0180	ppb	0.1088	605.1	20.0715
Co 228.615	6.4945	ppb	0.2464	3.8	88.0741
Cr 267.716	0.1915	ppb	0.0283	14.8	12.4752
Cu 324.754	0.0199	ppb	0.3109	1560.7	112.104
Fe 271.441	3349.16	ppb	30.7381	0.9	5700.25
K 766.491	13920.0	ppb	67.5019	0.5	701395
Mg 279.078	15051.3	ppb	87.8169	0.6	31378.6
Mn 257.610	162.181	ppb	1.0538	0.6	37504.4
Mo 202.032	0.1152	ppb	0.3002	260.5	9.8006
Na 330.237	11677.5	ppb	151.745	1.3	601.640
Ni 231.604	6.4319	ppb	0.4251	6.6	19.2114
Pb 220.353	-2.5349	ppb	0.8547	33.7	-0.6919
Sb 206.834	0.5247	ppb	4.8787	929.9	2.0326
Se 196.026	0.6552	ppb	7.8959	1205.2	-0.7580
Sn 189.925	1.7037	ppb	3.2931	193.3	0.0148
Sr 216.596	152.394	ppb	0.6034	0.4	1495.93
Ti 334.941	-0.0298	ppb	0.0636	213.2	-35.9302
Tl 190.794	3.0106	ppb	1.6979	56.4	0.5706
V 292.401	12.6591	ppb	0.1208	1.0	360.004
Zn 206.200	6.9523	ppb	0.5244	3037.5	132200

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680-88559-a-14-a (Samp) 3/27/2013, 6:52:29 AM Rack 3, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0981u	-0.0746u	-0.4217u
Al 308.215	47.4347	49.6567	53.5185
As 188.980	0.2651	-5.3349u	-7.5945u
B 249.678	50.6380	50.0640	49.8385
Ba 389.178	46.9810	48.0566	46.7371
Be 313.042	0.1692	0.1617	0.1567
Ca 370.602	3344	3336	3326
Cd 226.502	-0.3163u	-0.2280u	-0.0175
Co 228.615	0.9613	0.4445	0.8929
Cr 267.716	0.1474	0.1694	0.1766
Cu 324.754	0.2873	0.1304	-0.0548u
Fe 271.441	2824.95	2825.21	2811.34
K 766.491	2076.79	2072.64	2050.53
Mg 279.078	3244.04	3250.24	3227.26
Mn 257.610	19.8031	19.8608	19.8186
Mo 202.032	-0.4898u	-0.6210u	-0.0361u
Na 330.237	35082.5	34477.2	34878.4
Ni 231.604	1.5339	0.7411	-0.3498u
Pb 220.353	-0.9054u	-0.7826u	1.4368
Sb 206.834	-3.9462u	0.8156	0.8890
Se 196.026	-0.9975u	5.6785	11.1152
Sn 189.925	-1.7404u	1.0262	-0.6108u
Sr 216.596	42.3400	42.4175	42.6788
Ti 334.941	-0.0558u	-0.0127	-0.0395
Tl 190.794	1.7642	-1.8598u	-2.6729u
V 292.401	2.6369	2.6464	2.7076
Zn 206.200	3.6302	0.7354	2.4963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1981	ppb	0.1939	97.9	-81.9600
Al 308.215	50.2033	ppb	3.0785	6.1	557.651
As 188.980	-4.2214	ppb	4.0464	95.9	-3.0218
B 249.678	50.1802	ppb	0.4122	0.8	666.805
Ba 389.178	47.2582	ppb	0.7021	1.5	1150.12
Be 313.042	0.1625	ppb	0.0062	3.8	104.992
Ca 370.602	3335	ppb	9.009	0.3	10757
Cd 226.502	-0.1872	ppb	0.1535	82.0	10.7702
Co 228.615	0.7662	ppb	0.2807	36.6	20.7937
Cr 267.716	0.1644	ppb	0.0152	9.3	11.0662
Cu 324.754	0.1210	ppb	0.1713	141.6	117.014
Fe 271.441	2820.50	ppb	7.9336	0.3	4800.36
K 766.491	2066.66	ppb	14.1173	0.7	104309
Mg 279.078	3240.51	ppb	11.8879	0.4	6776.42
Mn 257.610	19.8275	ppb	0.0299	0.2	4650.82
Mo 202.032	-0.3823	ppb	0.3069	80.3	6.5406
Na 330.237	34812.7	ppb	307.931	0.9	1795.90
Ni 231.604	0.6417	ppb	0.9458	147.4	4.0562
Pb 220.353	-0.0838	ppb	1.3182	1573.7	3.3850
Sb 206.834	-0.7472	ppb	2.7707	370.8	0.8341
Se 196.026	5.2654	ppb	6.0669	115.2	1.4708
Sn 189.925	-0.4417	ppb	1.3910	314.9	-1.6512
Sr 216.596	42.4788	ppb	0.1775	0.4	423.576
Ti 334.941	-0.0360	ppb	0.0217	60.4	-89.9211
Tl 190.794	-0.9228	ppb	2.3623	256.0	-1.9747
V 292.401	2.6636	ppb	0.0383	1.4	78.6451
Zn 206.200	2.2873	ppb	1.4587	63.8	5.9240

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Cont Calib Verif (CCV) 3/27/2013, 6:57:57 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.548	490.655	504.063
Al 308.215	4945.04	4941.91	4981.48
As 188.980	467.368	455.400	456.100
B 249.678	2453.70	2473.76	2508.60
Ba 389.178	4914.04	4906.10	4941.61
Be 313.042	487.391	488.408	492.313
Ca 370.602	4840	4844	4897
Cd 226.502	473.476	474.131	476.948
Co 228.615	491.694	491.121	493.801
Cr 267.716	4690.25	4701.86	4750.98
Cu 324.754	4780.23	4796.74	4902.05
Fe 271.441	4928.48	4919.44	4950.63
K 766.491	10104.7	10053.1	10119.8
Mg 279.078	4816.35	4819.51	4866.49
Mn 257.610	4907.34	4907.03	4940.45
Mo 202.032	469.406	472.260	478.694
Na 330.237	7432.56	7617.87	7142.36
Ni 231.604	2425.85	2433.82	2450.14
Pb 220.353	472.908	475.907	479.193
Sb 206.834	909.033	910.650	916.066
Se 196.026	4760.34	4787.15	4824.04
Sn 189.925	4919.92	4895.23	4969.00
Sr 216.596	2361.55	2368.10	2396.41
Ti 334.941	477.788	478.714	483.910
Tl 190.794	4793.58	4799.84	4822.02
V 292.401	4897.97	4888.90	4919.04
Zn 206.200	2398.81	2413.39	2431.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.755	ppb	7.1269	1.4	34971.4	99.75101
Al 308.215	4956.15	ppb	21.9996	0.4	29101.2	99.12290
As 188.980	459.623	ppb	6.7168	1.5	283.887	91.92458
B 249.678	2478.69	ppb	27.7780	1.1	23589.3	99.14742
Ba 389.178	4920.58	ppb	18.6383	0.4	121501	98.41168
Be 313.042	489.371	ppb	2.5986	0.5	960146	97.87418
Ca 370.602	4860	ppb	31.75	0.7	15888	97.20250
Cd 226.502	474.851	ppb	1.8447	0.4	17874.0	94.97027
Co 228.615	492.205	ppb	1.4111	0.3	5803.72	98.44105
Cr 267.716	4714.36	ppb	32.2390	0.7	205789	94.28724
Cu 324.754	4826.34	ppb	66.0849	1.4	237894	96.52682
Fe 271.441	4932.85	ppb	16.0491	0.3	8513.15	98.65704
K 766.491	10092.5	ppb	34.9397	0.3	508595	100.92548
Mg 279.078	4834.12	ppb	28.0775	0.6	10018.1	96.68231
Mn 257.610	4918.27	ppb	19.2048	0.4	1132846	98.36542
Mo 202.032	473.453	ppb	4.7575	1.0	3142.45	94.69064
Na 330.237	7397.60	ppb	239.678	3.2	358.374	98.63464
Ni 231.604	2436.60	ppb	12.3807	0.5	6374.94	97.46420
Pb 220.353	476.003	ppb	3.1438	0.7	789.537	95.20055
Sb 206.834	911.916	ppb	3.6834	0.4	894.508	91.19164
Se 196.026	4790.51	ppb	31.9836	0.7	2355.61	95.81021
Sn 189.925	4928.05	ppb	37.5494	0.8	3829.22	98.56100
Sr 216.596	2375.35	ppb	18.5239	0.8	23098.3	95.01417
Ti 334.941	480.137	ppb	3.2997	0.7	127040	96.02743
Tl 190.794	4805.15	ppb	14.9456	0.3	3296.19	96.10291
V 292.401	4901.97	ppb	15.4647	0.3	137489	98.03944
Zn 206.200	2414.56	ppb	16.3652	0.7	2763.96	96.58231

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Cont Calib Blank (CCB) 3/27/2013, 7:03:24 AM Rack 4, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3714	-0.0074u	0.2256
Al 308.215	-3.4134u	-4.7311u	-4.4137u
As 188.980	-8.5730u	3.5188	-2.7718u
B 249.678	44.4698	40.4661	35.7485
Ba 389.178	0.4573	0.3810	-1.1351u
Be 313.042	0.0042	0.0091	-0.0013u
Ca 370.602	1.433	-0.6377u	-2.743u
Cd 226.502	0.0617	0.0326	-0.0075u
Co 228.615	0.7887	0.5580	0.5811
Cr 267.716	0.2220	0.0755	0.0337
Cu 324.754	0.5060	-0.7833u	-0.7232u
Fe 271.441	4.3964	-3.0712u	-6.4940u
K 766.491	0.4185	1.3563	0.4323
Mg 279.078	-4.7800u	0.3366	4.3890
Mn 257.610	0.0639	0.0543	0.1219
Mo 202.032	1.1918	0.7677	0.1902
Na 330.237	12.5611	-163.975u	148.841
Ni 231.604	0.0928	2.3691	-0.5108u
Pb 220.353	2.4364	0.3358	-0.4434u
Sb 206.834	5.2227	3.5091	-3.8020u
Se 196.026	-1.4497u	-1.9901u	5.8569
Sn 189.925	1.6968	-0.3458u	3.0267
Sr 216.596	0.0961	-0.4599u	0.3602
Ti 334.941	0.0730	0.1202	0.1044
Tl 190.794	-0.1321u	1.8931	1.2825
V 292.401	-0.1466u	0.0129	0.0636
Zn 206.200	-0.7580u	-0.2817u	-0.0630u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1965	ppb	0.1911	97.2	-52.3724	0.19652
Al 308.215	-4.1861	ppb	0.6877	16.4	241.129	-4.18606
As 188.980	-2.6087	ppb	6.0475	231.8	-2.0238	-2.60869
B 249.678	40.2281	ppb	4.3655	10.9	575.496	40.22814
Ba 389.178	-0.0989	ppb	0.8982	907.8	-32.4665	-0.09894
Be 313.042	0.0040	ppb	0.0052	129.9	-202.909	0.00399
Ca 370.602	-0.6493	ppb	2.088	321.5	-8.369	-0.64930
Cd 226.502	0.0289	ppb	0.0347	120.0	12.1874	0.02894
Co 228.615	0.6426	ppb	0.1270	19.8	19.4043	0.64261
Cr 267.716	0.1104	ppb	0.0989	89.6	7.4754	0.11041
Cu 324.754	-0.3335	ppb	0.7277	218.2	93.8576	-0.33348
Fe 271.441	-1.7229	ppb	5.5690	323.2	0.8086	-1.72294
K 766.491	0.7357	ppb	0.5375	73.1	242.874	0.73570
Mg 279.078	-0.0182	ppb	4.5948	25315.2	25.2991	-0.01815
Mn 257.610	0.0801	ppb	0.0366	45.7	77.1608	0.08005
Mo 202.032	0.7166	ppb	0.5028	70.2	13.9662	0.71658
Na 330.237	-0.8576	ppb	156.839	18287.2	-0.0510	-0.85764
Ni 231.604	0.6504	ppb	1.5187	233.5	4.0209	0.65038
Pb 220.353	0.7763	ppb	1.4895	191.9	4.8007	0.77626
Sb 206.834	1.6433	ppb	4.7930	291.7	2.9896	1.64328
Se 196.026	0.8057	ppb	4.3828	544.0	-0.7432	0.80571
Sn 189.925	1.4592	ppb	1.6988	116.4	-0.1867	1.45924
Sr 216.596	-0.0012	ppb	0.4186	35119.2	8.3594	-0.00119
Ti 334.941	0.0992	ppb	0.0240	24.2	-65.6555	0.09921
Tl 190.794	1.0145	ppb	1.0389	102.4	-0.5264	1.01451
V 292.401	-0.0234	ppb	0.1097	469.1	3.1116	-0.02338
Zn 206.200	-0.3676	ppb	0.3554	86.7	89.17721	-0.36757

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680-88559-a-15-a (Samp) 3/27/2013, 7:08:52 AM Rack 4, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6164u	0.3031	0.5056
Al 308.215	50.1978	51.0894	49.3740
As 188.980	1.5319	-0.5493u	1.0877
B 249.678	63.2023	62.8659	63.1411
Ba 389.178	47.8633	47.7906	48.1387
Be 313.042	0.1734	0.1799	0.1718
Ca 370.602	3373	3369	3362
Cd 226.502	0.0119	-0.1923u	-0.1233
Co 228.615	1.1793	0.9542	1.1692
Cr 267.716	0.0256	0.1240	0.3846
Cu 324.754	0.0246	-0.0798u	0.1994
Fe 271.441	2890.97	2891.81	2876.09
K 766.491	2087.04	2091.59	2083.72
Mg 279.078	3283.95	3284.15	3271.33
Mn 257.610	20.1269	20.1358	20.0176
Mo 202.032	0.3615	-0.0518u	-0.0481u
Na 330.237	35434.7	35435.7	35130.4
Ni 231.604	3.0236	1.8887	1.9041
Pb 220.353	3.3275	0.3426	-1.1177u
Sb 206.834	-2.5935u	-0.9686u	2.0451
Se 196.026	9.8877	0.0675	7.7058
Sn 189.925	2.7411	0.8395	4.2713
Sr 216.596	43.6458	43.0787	42.8711
Ti 334.941	0.0745	0.0771	0.0638
Tl 190.794	-0.6868u	-0.2163u	2.6678
V 292.401	2.9722	2.9660	2.8035
Zn 206.200	1.6311	0.2082	2.4294

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0641	ppb	0.5980	932.2	-63.5239
Al 308.215	50.2204	ppb	0.8579	1.7	557.794
As 188.980	0.6901	ppb	1.0961	158.8	0.0170
B 249.678	63.0698	ppb	0.1792	0.3	788.415
Ba 389.178	47.9309	ppb	0.1836	0.4	1166.95
Be 313.042	0.1750	ppb	0.0043	2.4	129.428
Ca 370.602	3368	ppb	5.425	0.2	10859
Cd 226.502	-0.1012	ppb	0.1038	102.6	14.1703
Co 228.615	1.1009	ppb	0.1272	11.5	24.7137
Cr 267.716	0.1781	ppb	0.1855	104.2	11.6833
Cu 324.754	0.0481	ppb	0.1411	293.3	113.451
Fe 271.441	2886.29	ppb	8.8453	0.3	4912.30
K 766.491	2087.45	ppb	3.9491	0.2	105356
Mg 279.078	3279.81	ppb	7.3429	0.2	6858.29
Mn 257.610	20.0935	ppb	0.0658	0.3	4712.49
Mo 202.032	0.0872	ppb	0.2376	272.4	9.6527
Na 330.237	35333.6	ppb	175.956	0.5	1822.76
Ni 231.604	2.2721	ppb	0.6508	28.6	8.3217
Pb 220.353	0.8508	ppb	2.2658	266.3	4.9278
Sb 206.834	-0.5057	ppb	2.3537	465.4	1.0562
Se 196.026	5.8870	ppb	5.1566	87.6	1.7769
Sn 189.925	2.6173	ppb	1.7193	65.7	0.7267
Sr 216.596	43.1985	ppb	0.4010	0.9	430.584
Ti 334.941	0.0718	ppb	0.0071	9.8	-61.2545
Tl 190.794	0.5882	ppb	1.8163	308.8	-0.9393
V 292.401	2.9139	ppb	0.0957	3.3	85.6112
Zn 206.200	1.4229	ppb	1.1251	79.1	4.5721

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680-88559-c-16-a (Samp) **3/27/2013, 7:14:20 AM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1148u	-1.2293u	-0.8611u
Al 308.215	2874.49	2886.20	2890.05
As 188.980	4.2888	3.3820	9.6033
B 249.678	663.578	664.618	671.127
Ba 389.178	56.3777	56.3822	56.8960
Be 313.042	0.7835	0.7813	0.7800
Ca 370.602	16894	16988	16990
Cd 226.502	-0.1169	0.0821	-0.0326
Co 228.615	2.5238	3.8884	2.6642
Cr 267.716	0.6099	0.8390	0.4640
Cu 324.754	0.7024	-0.2433u	0.0725
Fe 271.441	8580.43	8600.19	8602.11
K 766.491	27540.1	27647.3	27741.2
Mg 279.078	13687.6	13736.1	13758.8
Mn 257.610	91.6889	91.9970	92.0103
Mo 202.032	0.4553	0.0402u	-0.4717u
Na 330.237	16491.6	16346.3	16686.9
Ni 231.604	4.1664	4.1346	5.0147
Pb 220.353	15.9811	14.6903	16.2883
Sb 206.834	2.1257	-3.4996u	3.5983
Se 196.026	8.4144	11.6439	-2.0223u
Sn 189.925	4.4945	3.0371	4.9133
Sr 216.596	121.018	123.140	122.070
Ti 334.941	0.1735	0.2145	0.1541
Tl 190.794	-6.2582u	0.8658	-1.3871u
V 292.401	32.4836	32.4321	32.6585
Zn 206.200	15.4032	14.1597	15.8246

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0684	ppb	0.1884	17.6	-146.331
Al 308.215	2883.58	ppb	8.1058	0.3	17056.1
As 188.980	5.7580	ppb	3.3608	58.4	3.2106
B 249.678	666.441	ppb	4.0912	0.6	6478.79
Ba 389.178	56.5519	ppb	0.2979	0.5	1417.59
Be 313.042	0.7816	ppb	0.0018	0.2	1324.52
Ca 370.602	16957	ppb	55.23	0.3	55196
Cd 226.502	-0.0225	ppb	0.0999	444.7	31.2941
Co 228.615	3.0255	ppb	0.7506	24.8	47.1498
Cr 267.716	0.6376	ppb	0.1890	29.6	32.7047
Cu 324.754	0.1772	ppb	0.4815	271.7	121.183
Fe 271.441	8594.24	ppb	11.9980	0.1	14619.7
K 766.491	27642.9	ppb	100.599	0.4	1392653
Mg 279.078	13727.5	ppb	36.3734	0.3	28622.8
Mn 257.610	91.8987	ppb	0.1818	0.2	21324.2
Mo 202.032	0.0079	ppb	0.4643	5865.4	8.8148
Na 330.237	16508.3	ppb	170.881	1.0	849.332
Ni 231.604	4.4385	ppb	0.4992	11.2	14.1059
Pb 220.353	15.6532	ppb	0.8480	5.4	29.3374
Sb 206.834	0.7414	ppb	3.7459	505.2	2.3465
Se 196.026	6.0120	ppb	7.1429	118.8	1.8892
Sn 189.925	4.1483	ppb	0.9848	23.7	1.9156
Sr 216.596	122.076	ppb	1.0609	0.9	1202.32
Ti 334.941	0.1807	ppb	0.0308	17.1	14.3353
Tl 190.794	-2.2598	ppb	3.6413	161.1	-3.1579
V 292.401	32.5247	ppb	0.1187	0.4	918.662
Zn 206.200	15.1292	ppb	0.8656	5.7	26.0070

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680-88479-e-1-d (Samp) **3/27/2013, 7:19:48 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4511u	-1.4679u	-0.4676u
Al 308.215	89.2564	86.3616	85.0858
As 188.980	10.7462	-3.2445u	-0.2826
B 249.678	55.1448	55.4538	53.2243
Ba 389.178	77.4035	77.4967	77.8938
Be 313.042	-0.0487u	-0.0407u	-0.0521u
Ca 370.602	181739	181594	180693
Cd 226.502	0.2583	0.1120	0.0209
Co 228.615	0.8043	0.1927	0.4662
Cr 267.716	0.4443	0.1725	0.6361
Cu 324.754	0.7341	0.4869	0.1849
Fe 271.441	503.547	493.357	498.509
K 766.491	606.101	607.497	609.344
Mg 279.078	90888.9	90646.2	90543.1
Mn 257.610	1599.43	1596.23	1594.91
Mo 202.032	2.8331	3.1248	1.5957
Na 330.237	28259.5	28115.6	28162.8
Ni 231.604	6.1026	4.3731	4.0843
Pb 220.353	-1.2118u	-0.8384u	-1.6197u
Sb 206.834	-3.2202u	-0.7638u	-4.0770u
Se 196.026	2.5718	-0.9063u	6.6284
Sn 189.925	-2.7387u	5.2652	2.1645
Sr 216.596	211.666	209.336	209.403
Ti 334.941	2.6411	0.4549	0.6635
Tl 190.794	7.9827	5.0049	5.8961
V 292.401	-1.7432u	-1.6424u	-1.7527u
Zn 206.200	3.8967	3.2207	3.3440

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7955	ppb	0.5823	73.2	-126.202
Al 308.215	86.9013	ppb	2.1370	2.5	771.821
As 188.980	2.4063	ppb	7.3728	306.4	2.6114
B 249.678	54.6076	ppb	1.2079	2.2	710.768
Ba 389.178	77.5980	ppb	0.2604	0.3	2139.53
Be 313.042	-0.0472	ppb	0.0059	12.5	-245.414
Ca 370.602	181342	ppb	567.0	0.3	598010
Cd 226.502	0.1304	ppb	0.1198	91.8	18.2099
Co 228.615	0.4877	ppb	0.3064	62.8	17.5714
Cr 267.716	0.4176	ppb	0.2329	55.8	27.7321
Cu 324.754	0.4686	ppb	0.2751	58.7	133.594
Fe 271.441	498.471	ppb	5.0952	1.0	851.372
K 766.491	607.647	ppb	1.6269	0.3	30814.7
Mg 279.078	90692.8	ppb	177.490	0.2	188939
Mn 257.610	1596.86	ppb	2.3261	0.1	368346
Mo 202.032	2.5178	ppb	0.8118	32.2	25.8996
Na 330.237	28179.3	ppb	73.3413	0.3	1454.19
Ni 231.604	4.8533	ppb	1.0915	22.5	15.0233
Pb 220.353	-1.2233	ppb	0.3908	31.9	1.8348
Sb 206.834	-2.6870	ppb	1.7197	64.0	-1.0617
Se 196.026	2.7647	ppb	3.7710	136.4	0.6143
Sn 189.925	1.5636	ppb	4.0356	258.1	-0.0247
Sr 216.596	210.135	ppb	1.3265	0.6	2072.30
Ti 334.941	1.2532	ppb	1.2065	96.3	624.985
Tl 190.794	6.2946	ppb	1.5284	24.3	1.4783
V 292.401	-1.7128	ppb	0.0611	3.6	-43.8733
Zn 206.200	3.4871	ppb	0.3600	10.3	7.7999

680-88479-e-2-b (Samp) 3/27/2013, 7:25:16 AM Rack 4, Tube 6
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7827u	-0.5524u	-0.1729u
Al 308.215	5.6384	7.2640	4.2589
As 188.980	0.4885	-7.6789u	-4.1747u
B 249.678	53.9609	54.2272	53.4076
Ba 389.178	35.0213	35.7814	33.2645
Be 313.042	-0.0273u	-0.0215u	-0.0331u
Ca 370.602	95116	94970	94859
Cd 226.502	-0.0482u	-0.0988u	-0.1469u
Co 228.615	0.7581	0.4529	0.7261
Cr 267.716	0.1832	0.3187	0.2474
Cu 324.754	1.2101	1.1128	0.7981
Fe 271.441	212.014	213.041	212.465
K 766.491	522.570	523.400	524.642
Mg 279.078	36816.8	36747.1	36734.2
Mn 257.610	778.931	778.371	778.418
Mo 202.032	1.1648	0.4832	0.3360
Na 330.237	29303.2	29438.5	29241.1
Ni 231.604	4.7201	5.8263	5.3047
Pb 220.353	3.6125	0.1535	0.8241
Sb 206.834	0.5481	-1.3498u	-4.3226u
Se 196.026	7.3045	-1.6497u	-1.9690u
Sn 189.925	1.1708	3.1214	1.3396
Sr 216.596	116.591	116.423	116.548
Ti 334.941	-0.2706	-0.2244	-0.2260
Tl 190.794	2.3720	-0.2788u	-4.2880u
V 292.401	-0.5977u	-1.3529u	-0.9666u
Zn 206.200	3.0528	1.7841	1.9871

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5026	ppb	0.3079	61.3	-104.096
Al 308.215	5.7204	ppb	1.5042	26.3	298.858
As 188.980	-3.7884	ppb	4.0974	108.2	-1.9475
B 249.678	53.8652	ppb	0.4181	0.8	704.029
Ba 389.178	34.6891	ppb	1.2909	3.7	929.387
Be 313.042	-0.0273	ppb	0.0058	21.2	-235.106
Ca 370.602	94982	ppb	128.8	0.1	313220
Cd 226.502	-0.0980	ppb	0.0494	50.4	8.2345
Co 228.615	0.6457	ppb	0.1677	26.0	19.4326
Cr 267.716	0.2498	ppb	0.0678	27.1	17.1466
Cu 324.754	1.0403	ppb	0.2154	20.7	161.629
Fe 271.441	212.507	ppb	0.5150	0.2	365.080
K 766.491	523.537	ppb	1.0428	0.2	26577.8
Mg 279.078	36766.0	ppb	44.4197	0.1	76607.2
Mn 257.610	778.573	ppb	0.3106	0.0	179582
Mo 202.032	0.6613	ppb	0.4422	66.9	13.5915
Na 330.237	29327.6	ppb	100.924	0.3	1513.58
Ni 231.604	5.2837	ppb	0.5534	10.5	16.1428
Pb 220.353	1.5300	ppb	1.8343	119.9	6.2117
Sb 206.834	-1.7081	ppb	2.4550	143.7	-0.1342
Se 196.026	1.2286	ppb	5.2643	428.5	-0.3433
Sn 189.925	1.8773	ppb	1.0807	57.6	0.1857
Sr 216.596	116.521	ppb	0.0870	0.1	1152.31
Ti 334.941	-0.2403	ppb	0.0262	10.9	-0.6132
Tl 190.794	-0.7316	ppb	3.3530	458.3	-2.5152
V 292.401	-0.9724	ppb	0.3776	38.8	-23.4087
Zn 206.200	2.2747	ppb	0.6815	30.0	5.9042

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680-88479-e-3-b (Samp) 3/27/2013, 7:30:44 AM Rack 4, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7824u	0.2253	-0.5261u
Al 308.215	4.8706	6.3819	3.9147
As 188.980	-1.2500u	-0.7829	-2.6506u
B 249.678	53.1077	53.0309	53.6710
Ba 389.178	29.2503	29.3465	29.4847
Be 313.042	0.0007	-0.0068	-0.0050
Ca 370.602	75481	75146	74964
Cd 226.502	0.0508	0.1483	0.1626
Co 228.615	-0.0346u	-0.1058u	0.2483
Cr 267.716	0.3496	0.4352	-0.0086u
Cu 324.754	3.0685	2.6804	2.1759
Fe 271.441	27.5407	29.7759	28.1581
K 766.491	2473.82	2473.55	2467.25
Mg 279.078	14380.0	14333.1	14335.9
Mn 257.610	47.0189	46.9432	47.0299
Mo 202.032	12.4306	12.6916	12.3595
Na 330.237	2022.04	2248.82	2426.35
Ni 231.604	-0.6619u	2.9352	2.3491
Pb 220.353	-1.8305u	-0.7725u	-0.3411u
Sb 206.834	4.2669	-1.4883u	0.2859
Se 196.026	4.4460	7.8568	8.1485
Sn 189.925	-0.3249u	1.2708	-1.4826u
Sr 216.596	131.162	130.538	130.978
Ti 334.941	0.0299	0.1369	0.1342
Tl 190.794	12.5580	-5.1497u	6.4193
V 292.401	-1.0930u	-1.0082u	-0.8170u
Zn 206.200	58.1504	55.5011	54.3625

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3611	ppb	0.5237	145.0	-97.5625
Al 308.215	5.0557	ppb	1.2440	24.6	296.578
As 188.980	-1.5612	ppb	0.9719	62.3	-0.7379
B 249.678	53.2699	ppb	0.3495	0.7	698.589
Ba 389.178	29.3605	ppb	0.1178	0.4	735.101
Be 313.042	-0.0037	ppb	0.0039	106.2	-193.472
Ca 370.602	75197	ppb	262.0	0.3	247971
Cd 226.502	0.1206	ppb	0.0608	50.5	15.8586
Co 228.615	0.0360	ppb	0.1873	520.7	11.8717
Cr 267.716	0.2587	ppb	0.2354	91.0	14.1830
Cu 324.754	2.6416	ppb	0.4476	16.9	240.798
Fe 271.441	28.4916	ppb	1.1543	4.1	52.1214
K 766.491	2471.54	ppb	3.7180	0.2	124704
Mg 279.078	14349.7	ppb	26.3222	0.2	29919.1
Mn 257.610	46.9974	ppb	0.0472	0.1	10964.0
Mo 202.032	12.4939	ppb	0.1749	1.4	92.1227
Na 330.237	2232.40	ppb	202.653	9.1	114.783
Ni 231.604	1.5408	ppb	1.9300	125.3	6.3501
Pb 220.353	-0.9814	ppb	0.7663	78.1	1.8921
Sb 206.834	1.0215	ppb	2.9473	288.5	2.2582
Se 196.026	6.8171	ppb	2.0586	30.2	2.2243
Sn 189.925	-0.1789	ppb	1.3825	772.9	-1.4294
Sr 216.596	130.893	ppb	0.3209	0.2	1290.11
Ti 334.941	0.1003	ppb	0.0611	60.8	-4.1437
Tl 190.794	4.6092	ppb	8.9916	195.1	1.8906
V 292.401	-0.9728	ppb	0.1414	14.5	-25.8519
Zn 206.200	56.0047	ppb	1.9435	3.5	89.9364

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88479-e-4-b (Samp) 3/27/2013, 7:36:12 AM Rack 4, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4631	-0.5266u	0.2404
Al 308.215	136.147	134.760	141.079
As 188.980	-1.4549u	4.7574	-5.0665u
B 249.678	2.7549	2.4129	2.6741
Ba 389.178	12.0814	11.6946	13.4623
Be 313.042	-0.0219u	-0.0228u	-0.0121u
Ca 370.602	27162	27134	27244
Cd 226.502	0.2062	0.1409	0.3504
Co 228.615	0.0382	0.5380	0.4417
Cr 267.716	0.2852	0.1310	0.4214
Cu 324.754	30.2896	30.4220	28.3160
Fe 271.441	243.353	239.798	242.126
K 766.491	781.146	778.216	776.626
Mg 279.078	3754.84	3750.15	3762.75
Mn 257.610	10.6271	10.5896	10.5853
Mo 202.032	8.4864	7.9880	7.4283
Na 330.237	542.740	551.737	434.094
Ni 231.604	1.2015	2.4895	1.4779
Pb 220.353	-1.0768u	-2.2970u	2.1396
Sb 206.834	1.6963	-0.5170u	-1.1395u
Se 196.026	0.7468	9.3470	10.5814
Sn 189.925	0.9289	3.1750	-0.4887u
Sr 216.596	36.5540	36.3191	36.9169
Ti 334.941	3.5085	3.5299	3.5278
Tl 190.794	-4.0938u	0.5545	-4.4829u
V 292.401	0.2563	-0.6698u	0.0030u
Zn 206.200	61.5504	62.9463	62.6451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0590	ppb	0.5192	880.5	-63.7307
Al 308.215	137.329	ppb	3.3214	2.4	1066.13
As 188.980	-0.5880	ppb	4.9690	845.1	-0.5460
B 249.678	2.6139	ppb	0.1788	6.8	220.203
Ba 389.178	12.4127	ppb	0.9293	7.5	287.336
Be 313.042	-0.0189	ppb	0.0059	31.2	-239.338
Ca 370.602	27180	ppb	57.35	0.2	89606
Cd 226.502	0.2325	ppb	0.1072	46.1	20.4700
Co 228.615	0.3393	ppb	0.2652	78.2	15.6857
Cr 267.716	0.2792	ppb	0.1453	52.0	14.9511
Cu 324.754	29.6759	ppb	1.1795	4.0	1572.83
Fe 271.441	241.759	ppb	1.8061	0.7	414.785
K 766.491	778.663	ppb	2.2930	0.3	39429.2
Mg 279.078	3755.92	ppb	6.3687	0.2	7849.81
Mn 257.610	10.6007	ppb	0.0230	0.2	2522.15
Mo 202.032	7.9676	ppb	0.5294	6.6	62.0742
Na 330.237	509.524	ppb	65.4787	12.9	25.7218
Ni 231.604	1.7230	ppb	0.6781	39.4	6.8312
Pb 220.353	-0.4114	ppb	2.2919	557.1	2.8279
Sb 206.834	0.0133	ppb	1.4904	11224.2	1.3849
Se 196.026	6.8917	ppb	5.3573	77.7	2.2533
Sn 189.925	1.2051	ppb	1.8474	153.3	-0.3733
Sr 216.596	36.5967	ppb	0.3012	0.8	367.258
Ti 334.941	3.5221	ppb	0.0118	0.3	856.544
Tl 190.794	-2.6741	ppb	2.8028	104.8	-3.0817
V 292.401	-0.1368	ppb	0.4786	349.8	-1.4116
Zn 206.200	62.3806	ppb	0.7346	312.3	99.9082

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88479-e-5-b (Samp) 3/27/2013, 7:41:40 AM Rack 4, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7308u	-0.1384u	-1.1186u
Al 308.215	53.8482	54.9846	55.8982
As 188.980	21.4823	17.7132	23.6161
B 249.678	41.7761	40.4820	41.9207
Ba 389.178	16.8986	17.3535	17.5091
Be 313.042	-0.0243u	-0.0196u	-0.0162u
Ca 370.602	42110	42253	42274
Cd 226.502	0.0185	-0.1637	-0.2315
Co 228.615	0.2598	-0.0321u	0.9485
Cr 267.716	0.1131	0.1442	0.3594
Cu 324.754	4.8667	4.7215	4.1072
Fe 271.441	3718.31	3701.74	3697.90
K 766.491	488.141	486.618	485.539
Mg 279.078	13408.5	13411.0	13429.6
Mn 257.610	1238.56	1239.21	1239.02
Mo 202.032	17.0640	17.1395	17.4838
Na 330.237	12277.2	12006.2	12305.7
Ni 231.604	2.8493	4.8501	2.1790
Pb 220.353	-1.1642u	-0.8441u	1.6693
Sb 206.834	-3.7093u	4.6126	0.5617
Se 196.026	-2.8878u	0.5807	7.9248
Sn 189.925	-1.4985u	2.8161	-1.5269u
Sr 216.596	73.3225	72.7789	73.6080
Ti 334.941	0.8214	0.8317	0.8291
Tl 190.794	2.9228	7.0560	1.7689u
V 292.401	-0.6975u	-0.8809u	-0.8780u
Zn 206.200	9.0299	8.7051	8.9546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6626	ppb	0.4936	74.5	-111.057
Al 308.215	54.9103	ppb	1.0270	1.9	587.525
As 188.980	20.9372	ppb	2.9890	14.3	12.8638
B 249.678	41.3929	ppb	0.7922	1.9	583.020
Ba 389.178	17.2537	ppb	0.3173	1.8	439.024
Be 313.042	-0.0200	ppb	0.0041	20.4	-239.896
Ca 370.602	42212	ppb	89.05	0.2	138922
Cd 226.502	-0.1255	ppb	0.1293	103.0	15.5147
Co 228.615	0.3921	ppb	0.5035	128.4	15.7843
Cr 267.716	0.2056	ppb	0.1341	65.3	17.4798
Cu 324.754	4.5651	ppb	0.4031	8.8	336.778
Fe 271.441	3705.98	ppb	10.8437	0.3	6306.06
K 766.491	486.766	ppb	1.3073	0.3	24725.5
Mg 279.078	13416.4	ppb	11.5443	0.1	27956.6
Mn 257.610	1238.93	ppb	0.3356	0.0	285487
Mo 202.032	17.2291	ppb	0.2238	1.3	123.378
Na 330.237	12196.4	ppb	165.294	1.4	628.291
Ni 231.604	3.2928	ppb	1.3897	42.2	11.0079
Pb 220.353	-0.1130	ppb	1.5518	1373.0	3.5733
Sb 206.834	0.4883	ppb	4.1614	852.2	1.7769
Se 196.026	1.8726	ppb	5.5209	294.8	0.1061
Sn 189.925	-0.0698	ppb	2.4993	3582.4	-1.3545
Sr 216.596	73.2365	ppb	0.4212	0.6	726.512
Ti 334.941	0.8274	ppb	0.0053	0.6	183.846
Tl 190.794	3.9159	ppb	2.7799	71.0	0.0887
V 292.401	-0.8188	ppb	0.1051	12.8	-22.5602
Zn 206.200	8.8965	ppb	0.1700	1.9	162.607

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mb 680-270031/1-b (Samp) 3/27/2013, 7:47:07 AM Rack 4, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3586	0.3732	-0.5933u
Al 308.215	-6.3649u	-2.4790u	-4.0964u
As 188.980	-2.4791u	2.4116	-7.3764u
B 249.678	-11.1854u	-11.0892u	-9.9450u
Ba 389.178	1.0726	-0.4972u	1.1786
Be 313.042	-0.0056u	-0.0073u	-0.0200u
Ca 370.602	5.331	4.201	1.835
Cd 226.502	-0.0986u	0.0244	0.0523
Co 228.615	-0.3926u	0.4576	-0.3437u
Cr 267.716	0.1508	0.0114	-0.0768u
Cu 324.754	0.6309	0.2624	0.0663
Fe 271.441	-4.3721u	4.4027	4.2490
K 766.491	1.4026	1.5650	1.1338
Mg 279.078	0.1395	5.6390	-2.1866u
Mn 257.610	0.4507	0.4694	0.4312
Mo 202.032	0.1935	-0.7414u	0.3136
Na 330.237	-218.242u	100.517	188.882
Ni 231.604	-0.5078u	-0.4244u	-0.8000u
Pb 220.353	-1.2729u	1.9218	-0.3677u
Sb 206.834	-5.8298u	0.0453	1.3963
Se 196.026	7.5858	-10.0875u	8.7337
Sn 189.925	1.7506	0.9941	-0.4775u
Sr 216.596	-0.4973u	-0.0617u	0.0927
Ti 334.941	-0.0578u	0.0372	0.0008
Tl 190.794	2.4452	-7.1665u	-8.1942u
V 292.401	-0.5134u	-0.7378u	-0.2120u
Zn 206.200	-0.6154u	-1.0111u	-0.3988u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0462	ppb	0.5538	1199.6	-62.9621
Al 308.215	-4.3134	ppb	1.9520	45.3	240.331
As 188.980	-2.4813	ppb	4.8940	197.2	-1.9448
B 249.678	-10.7399	ppb	0.6901	6.4	94.3694
Ba 389.178	0.5847	ppb	0.9384	160.5	-15.5850
Be 313.042	-0.0110	ppb	0.0079	71.6	-232.176
Ca 370.602	3.789	ppb	1.784	47.1	6.211
Cd 226.502	-0.0073	ppb	0.0803	1095.3	10.8248
Co 228.615	-0.0929	ppb	0.4774	513.9	10.7744
Cr 267.716	0.0285	ppb	0.1148	403.3	3.9031
Cu 324.754	0.3199	ppb	0.2867	89.6	126.044
Fe 271.441	1.4265	ppb	5.0223	352.1	6.0409
K 766.491	1.3671	ppb	0.2178	15.9	274.681
Mg 279.078	1.1973	ppb	4.0186	335.6	27.8253
Mn 257.610	0.4504	ppb	0.0191	4.2	162.478
Mo 202.032	-0.0781	ppb	0.5775	739.6	8.6934
Na 330.237	23.7190	ppb	214.152	902.9	1.2256
Ni 231.604	-0.5774	ppb	0.1973	34.2	0.8098
Pb 220.353	0.0937	ppb	1.6466	1756.6	3.6745
Sb 206.834	-1.4628	ppb	3.8418	262.6	0.0968
Se 196.026	2.0773	ppb	10.5507	507.9	-0.1179
Sn 189.925	0.7557	ppb	1.1330	149.9	-0.7335
Sr 216.596	-0.1554	ppb	0.3060	196.9	6.8907
Ti 334.941	-0.0066	ppb	0.0480	723.5	-93.6691
Tl 190.794	-4.3052	ppb	5.8685	136.3	-4.1813
V 292.401	-0.4877	ppb	0.2638	54.1	-9.8465
Zn 206.200	-0.6751	ppb	0.3105	46.0	-1.2915

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ics 680-270031/2-b (Samp) 3/27/2013, 7:52:35 AM Rack 4, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates	Concentration
Ag 328.068	34.3702	34.9814 34.8334
Al 308.215	4828.49	4867.91 4860.47
As 188.980	92.6873	101.264 104.581
B 249.678	182.728	186.510 188.010
Ba 389.178	99.6762	101.243 100.162
Be 313.042	50.2059	50.7184 50.6762
Ca 370.602	4729	4776 4768
Cd 226.502	48.9035	49.1885 49.2872
Co 228.615	50.8521	49.6873 50.7390
Cr 267.716	95.6097	96.0979 96.4789
Cu 324.754	99.3695	99.7018 98.5737
Fe 271.441	4926.39	4969.18 4951.28
K 766.491	5003.67	5057.03 5059.45
Mg 279.078	4855.91	4886.72 4886.55
Mn 257.610	501.981	505.801 505.184
Mo 202.032	94.8044	97.1576 96.8738
Na 330.237	4754.88	5055.71 4798.90
Ni 231.604	98.0857	98.6641 97.2722
Pb 220.353	52.1342	48.6379 46.2861
Sb 206.834	45.7824	49.3797 53.1127
Se 196.026	101.097	101.675 99.1107
Sn 189.925	201.135	198.434 201.162
Sr 216.596	96.2526	97.3565 97.3523
Ti 334.941	95.3964	96.3393 96.4217
Tl 190.794	32.6363	43.3461 43.1403
V 292.401	99.4303	100.056 99.8920
Zn 206.200	94.9282	96.7256 95.8963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.7283	ppb	0.3189	0.9	2375.64
Al 308.215	4852.29	ppb	20.9457	0.4	28531.9
As 188.980	99.5108	ppb	6.1377	6.2	61.1361
B 249.678	185.750	ppb	2.7221	1.5	1944.55
Ba 389.178	100.360	ppb	0.8018	0.8	2469.79
Be 313.042	50.5335	ppb	0.2845	0.6	98966.5
Ca 370.602	4758	ppb	24.94	0.5	15302
Cd 226.502	49.1264	ppb	0.1992	0.4	1869.99
Co 228.615	50.4261	ppb	0.6424	1.3	603.664
Cr 267.716	96.0622	ppb	0.4357	0.5	4198.41
Cu 324.754	99.2150	ppb	0.5797	0.6	5002.18
Fe 271.441	4948.95	ppb	21.4901	0.4	8428.52
K 766.491	5040.05	ppb	31.5327	0.6	254087
Mg 279.078	4876.39	ppb	17.7410	0.4	10175.7
Mn 257.610	504.322	ppb	2.0508	0.4	116252
Mo 202.032	96.2786	ppb	1.2846	1.3	647.731
Na 330.237	4869.83	ppb	162.475	3.3	248.354
Ni 231.604	98.0073	ppb	0.6993	0.7	258.745
Pb 220.353	49.0194	ppb	2.9426	6.0	84.2963
Sb 206.834	49.4249	ppb	3.6654	7.4	47.7402
Se 196.026	100.628	ppb	1.3451	1.3	48.4919
Sn 189.925	200.244	ppb	1.5675	0.8	154.330
Sr 216.596	96.9872	ppb	0.6361	0.7	950.826
Ti 334.941	96.0525	ppb	0.5696	0.6	25358.2
Tl 190.794	39.7076	ppb	6.1248	15.4	25.3963
V 292.401	99.7927	ppb	0.3244	0.3	2786.60
Zn 206.200	95.8501	ppb	0.8996	0.9	151.954

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ics 680-270031/3-b (Samp) 3/27/2013, 7:58:14 AM Rack 4, Tube 12
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	207.388	210.834	208.810
Al 308.215	1940.67	1922.84	1928.64
As 188.980	209.578	205.236	211.868
B 249.678	388.167	387.900	390.010
Ba 389.178	197.096	195.588	195.883
Be 313.042	202.703	201.073	201.342
Ca 370.602	19349	19192	19194
Cd 226.502	192.261	191.222	192.102
Co 228.615	200.293	196.499	197.922
Cr 267.716	191.162	188.833	189.340
Cu 324.754	196.520	197.340	199.598
Fe 271.441	22420.7	22214.3	22283.1
K 766.491	20333.6	20173.1	20278.3
Mg 279.078	19727.4	19533.6	19566.5
Mn 257.610	2026.26	2010.13	2013.02
Mo 202.032	192.280	190.997	192.192
Na 330.237	17618.4	17759.7	17699.2
Ni 231.604	196.636	195.101	195.735
Pb 220.353	193.706	191.758	192.190
Sb 206.834	186.531	183.590	185.000
Se 196.026	202.581	203.620	208.608
Sn 189.925	198.084	200.139	198.540
Sr 216.596	204.419	202.102	203.568
Ti 334.941	193.038	191.772	192.160
Tl 190.794	43.1570	48.7661	49.0237
V 292.401	199.343	198.448	198.569
Zn 206.200	184.891	185.625	185.929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	209.010	ppb	1.7318	0.8	14640.0
Al 308.215	1930.71	ppb	9.0952	0.5	11530.6
As 188.980	208.894	ppb	3.3686	1.6	128.748
B 249.678	388.692	ppb	1.1490	0.3	3844.00
Ba 389.178	196.189	ppb	0.7993	0.4	4903.90
Be 313.042	201.706	ppb	0.8737	0.4	395695
Ca 370.602	19245	ppb	90.15	0.5	61681
Cd 226.502	191.862	ppb	0.5594	0.3	7278.25
Co 228.615	198.238	ppb	1.9166	1.0	2339.37
Cr 267.716	189.778	ppb	1.2244	0.6	8297.62
Cu 324.754	197.819	ppb	1.5940	0.8	9867.60
Fe 271.441	22306.0	ppb	105.091	0.5	37969.6
K 766.491	20261.7	ppb	81.5719	0.4	1020842
Mg 279.078	19609.2	ppb	103.704	0.5	40848.4
Mn 257.610	2016.47	ppb	8.5999	0.4	464649
Mo 202.032	191.823	ppb	0.7164	0.4	1280.81
Na 330.237	17692.4	ppb	70.9020	0.4	903.500
Ni 231.604	195.824	ppb	0.7714	0.4	514.923
Pb 220.353	192.551	ppb	1.0229	0.5	321.484
Sb 206.834	185.040	ppb	1.4709	0.8	175.367
Se 196.026	204.937	ppb	3.2217	1.6	100.252
Sn 189.925	198.921	ppb	1.0789	0.5	153.312
Sr 216.596	203.363	ppb	1.1719	0.6	1990.22
Ti 334.941	192.323	ppb	0.6484	0.3	50908.4
Tl 190.794	46.9823	ppb	3.3153	7.1	28.3243
V 292.401	198.787	ppb	0.4855	0.2	5547.16
Zn 206.200	185.482	ppb	0.5339	0.3	201.841

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Cont Calib Verif (CCV) 3/27/2013, 8:03:43 AM Rack 4, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	496.838	492.401	497.699
Al 308.215	4924.18	4962.71	4946.41
As 188.980	462.104	460.599	469.613
B 249.678	2460.62	2488.83	2510.46
Ba 389.178	4903.54	4936.44	4920.50
Be 313.042	486.594	489.724	487.512
Ca 370.602	4833	4857	4835
Cd 226.502	473.455	476.008	474.949
Co 228.615	491.215	493.214	494.638
Cr 267.716	4662.19	4682.98	4656.37
Cu 324.754	4849.66	4789.83	4781.99
Fe 271.441	4895.42	4951.10	4933.75
K 766.491	10111.0	10198.5	10192.0
Mg 279.078	4831.96	4839.80	4834.09
Mn 257.610	4890.79	4918.27	4913.00
Mo 202.032	469.742	470.283	472.090
Na 330.237	7557.88	7271.37	7226.33
Ni 231.604	2422.41	2443.73	2427.32
Pb 220.353	477.479	472.060	470.621
Sb 206.834	910.701	915.580	915.220
Se 196.026	4809.10	4800.45	4800.43
Sn 189.925	4905.57	4952.57	4912.35
Sr 216.596	2352.26	2359.58	2346.59
Ti 334.941	475.055	477.671	475.534
Tl 190.794	4771.69	4798.92	4815.22
V 292.401	4883.88	4923.49	4920.47
Zn 206.200	2412.49	2419.45	2417.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.646	ppb	2.8433	0.6	34752.1	99.12919
Al 308.215	4944.43	ppb	19.3411	0.4	29032.9	98.88869
As 188.980	464.105	ppb	4.8288	1.0	286.661	92.82107
B 249.678	2486.64	ppb	24.9950	1.0	23664.4	99.46541
Ba 389.178	4920.16	ppb	16.4538	0.3	121491	98.40314
Be 313.042	487.943	ppb	1.6092	0.3	957343	97.58867
Ca 370.602	4841	ppb	13.17	0.3	15826	96.82695
Cd 226.502	474.804	ppb	1.2829	0.3	17872.2	94.96078
Co 228.615	493.022	ppb	1.7194	0.3	5813.28	98.60450
Cr 267.716	4667.18	ppb	13.9863	0.3	203729	93.34364
Cu 324.754	4807.16	ppb	37.0130	0.8	236949	96.14324
Fe 271.441	4926.76	ppb	28.4948	0.6	8502.45	98.53516
K 766.491	10167.2	ppb	48.7417	0.5	512354	101.67159
Mg 279.078	4835.28	ppb	4.0584	0.1	10020.7	96.70566
Mn 257.610	4907.36	ppb	14.5872	0.3	1130332	98.14713
Mo 202.032	470.705	ppb	1.2294	0.3	3124.19	94.14098
Na 330.237	7351.86	ppb	179.835	2.4	355.962	98.02479
Ni 231.604	2431.15	ppb	11.1668	0.5	6360.68	97.24616
Pb 220.353	473.387	ppb	3.6164	0.8	785.213	94.67735
Sb 206.834	913.833	ppb	2.7192	0.3	896.153	91.38335
Se 196.026	4803.33	ppb	5.0036	0.1	2361.91	96.06652
Sn 189.925	4923.50	ppb	25.4042	0.5	3825.68	98.46996
Sr 216.596	2352.81	ppb	6.5130	0.3	22878.7	94.11234
Ti 334.941	476.087	ppb	1.3925	0.3	125968	95.21732
Tl 190.794	4795.28	ppb	21.9969	0.5	3289.43	95.90555
V 292.401	4909.28	ppb	22.0514	0.4	137695	98.18558
Zn 206.200	2416.41	ppb	3.5609	0.1	2766.90	96.65633

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Cont Calib Blank (CCB) 3/27/2013, 8:09:10 AM Rack 4, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6595	-0.3459u	-0.1186u
Al 308.215	-4.0719u	-3.8436u	-2.8373u
As 188.980	-0.2400u	2.5429	4.3170
B 249.678	47.0814	42.4681	38.5286
Ba 389.178	0.0593	0.4419	1.3074
Be 313.042	-0.0029u	-0.0177u	0.0040
Ca 370.602	1.965	-1.075u	-1.214u
Cd 226.502	-0.0011u	0.0032	-0.2178u
Co 228.615	-1.1247u	-1.1022u	0.5430
Cr 267.716	0.0202	-0.0691u	0.1232
Cu 324.754	-0.5368u	-0.8346u	-0.3132u
Fe 271.441	2.4652	1.8553	1.9516
K 766.491	-0.1979u	0.4459	-0.0423u
Mg 279.078	1.3894	-1.7962u	-0.4700u
Mn 257.610	0.0547	0.0449	0.0228
Mo 202.032	1.0091	0.5319	0.6224
Na 330.237	248.903	-131.943u	-160.276u
Ni 231.604	0.0475	-0.1080u	0.7725
Pb 220.353	-1.1202u	-3.6276u	0.6694
Sb 206.834	4.0439	-3.3567u	6.4955
Se 196.026	6.9524	-2.0762u	-0.2777u
Sn 189.925	4.1513	2.7836	0.2771
Sr 216.596	-0.2927u	-0.1895u	0.6789
Ti 334.941	0.0946	0.1093	0.0862
Tl 190.794	-1.0356u	-2.5349u	0.1815
V 292.401	0.0661	-0.2578u	0.0262
Zn 206.200	-1.4507u	-0.9558u	0.3794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0650	ppb	0.5272	810.9	-61.6310	0.06502
Al 308.215	-3.5843	ppb	0.6569	18.3	244.608	-3.58427
As 188.980	2.2066	ppb	2.2970	104.1	0.9561	2.20664
B 249.678	42.6927	ppb	4.2808	10.0	598.758	42.69268
Ba 389.178	0.6029	ppb	0.6394	106.1	-15.1346	0.60288
Be 313.042	-0.0056	ppb	0.0111	199.0	-221.624	-0.00556
Ca 370.602	-0.1080	ppb	1.797	1663.8	-6.798	-0.10798
Cd 226.502	-0.0719	ppb	0.1264	175.7	8.4018	-0.07191
Co 228.615	-0.5613	ppb	0.9564	170.4	5.2661	-0.56131
Cr 267.716	0.0248	ppb	0.0962	388.6	3.7386	0.02477
Cu 324.754	-0.5615	ppb	0.2616	46.6	82.6170	-0.56152
Fe 271.441	2.0907	ppb	0.3279	15.7	7.1802	2.09069
K 766.491	0.0686	ppb	0.3359	490.0	209.268	0.06856
Mg 279.078	-0.2923	ppb	1.6002	547.5	24.7289	-0.29226
Mn 257.610	0.0408	ppb	0.0163	40.0	68.1215	0.04077
Mo 202.032	0.7211	ppb	0.2534	35.1	13.9964	0.72113
Na 330.237	-14.4388	ppb	228.500	1582.5	-0.7476	-14.43880
Ni 231.604	0.2373	ppb	0.4700	198.0	2.9407	0.23734
Pb 220.353	-1.3595	ppb	2.1585	158.8	1.2740	-1.35947
Sb 206.834	2.3942	ppb	5.1291	214.2	3.6908	2.39422
Se 196.026	1.5328	ppb	4.7788	311.8	-0.3857	1.53284
Sn 189.925	2.4040	ppb	1.9648	81.7	0.5477	2.40399
Sr 216.596	0.0656	ppb	0.5337	813.9	9.0297	0.06557
Ti 334.941	0.0967	ppb	0.0117	12.1	-66.3310	0.09667
Tl 190.794	-1.1297	ppb	1.3606	120.4	-1.9996	-1.12967
V 292.401	-0.0552	ppb	0.1766	320.1	2.2650	-0.05516
Zn 206.200	-0.6757	ppb	0.9467	140.1	1.2907	-0.67568

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680-88313-a-1-b (Samp) 3/27/2013, 8:14:38 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2740u	-0.7009u	-0.4558u
Al 308.215	0.7777	-0.7171u	4.2648
As 188.980	2.6148	6.5830	9.8478
B 249.678	403.778	410.605	410.933
Ba 389.178	18.6594	18.6115	18.3718
Be 313.042	-0.0480u	-0.0453u	-0.0549u
Ca 370.602	181047	181492	181360
Cd 226.502	0.2161	-0.1093u	0.0531
Co 228.615	0.9204	0.3284	1.4393
Cr 267.716	17.2707	16.8638	17.3594
Cu 324.754	0.7828	0.5034	0.8636
Fe 271.441	246.332	255.114	244.348
K 766.491	19005.0	19000.1	18887.1
Mg 279.078	13176.2	13232.7	13216.0
Mn 257.610	1138.58	1143.11	1140.96
Mo 202.032	1.0107	1.0737	1.7639
Na 330.237	165015x	165399x	162906x
Ni 231.604	3.9586	5.1316	3.8868
Pb 220.353	-0.9902u	-0.7998u	-1.0720u
Sb 206.834	2.5646	2.2618	0.3978
Se 196.026	-0.5035	5.4512	8.3057
Sn 189.925	6.1756	9.9086	6.2411
Sr 216.596	805.299	810.283	807.971
Ti 334.941	2.4461	2.3759	2.2565
Tl 190.794	3.3868	3.0522	4.0969
V 292.401	15.4735	15.6493	15.3904
Zn 206.200	12.5003	13.5862	11.8497

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4769b	ppb	0.2143	44.9	-130.971
Al 308.215	1.4418b	ppb	2.5565	177.3	273.681
As 188.980	6.3485b	ppb	3.6222	57.1	5.0560
B 249.678	408.439b	ppb	4.0394	1.0	4051.12
Ba 389.178	18.5476b	ppb	0.1541	0.8	465.159
Be 313.042	-0.0494b	ppb	0.0050	10.1	-264.578
Ca 370.602	181300b	ppb	228.8	0.1	597878
Cd 226.502	0.0533b	ppb	0.1627	305.4	12.9205
Co 228.615	0.8960b	ppb	0.5559	62.0	22.4891
Cr 267.716	17.1646b	ppb	0.2643	1.5	759.096
Cu 324.754	0.7166b	ppb	0.1890	26.4	145.531
Fe 271.441	248.598b	ppb	5.7292	2.3	426.584
K 766.491	18964.1b	ppb	66.6708	0.4	955479
Mg 279.078	13208.3b	ppb	29.0135	0.2	27524.0
Mn 257.610	1140.88b	ppb	2.2644	0.2	262896
Mo 202.032	1.2828b	ppb	0.4179	32.6	17.6855
Na 330.237	164440xb	ppb	1342.57	0.8	8486.91
Ni 231.604	4.3257b	ppb	0.6989	16.2	13.6379
Pb 220.353	-0.9540b	ppb	0.1396	14.6	2.1852
Sb 206.834	1.7414b	ppb	1.1734	67.4	3.2416
Se 196.026	4.4178b	ppb	4.4946	101.7	1.3135
Sn 189.925	7.4418b	ppb	2.1366	28.7	4.5906
Sr 216.596	807.851b	ppb	2.4940	0.3	7895.23
Ti 334.941	2.3595b	ppb	0.0959	4.1	576.809
Tl 190.794	3.5119b	ppb	0.5335	15.2	0.0420
V 292.401	15.5044b	ppb	0.1322	0.9	437.497
Zn 206.200	12.6454b	ppb	0.8773	6.9	22.0701

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680-88313-a-2-b (Samp) 3/27/2013, 8:20:17 AM Rack 4, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5344u	-0.8389u	-1.9004u
Al 308.215	17.7090	20.1373	18.7331
As 188.980	0.1888	-6.8614	-6.3748
B 249.678	275.092	272.725	274.450
Ba 389.178	48.0693	47.8685	47.1420
Be 313.042	-0.0981u	-0.1071u	-0.1074u
Ca 370.602	534742	533142	537270
Cd 226.502	-0.1413u	0.0397	0.1853
Co 228.615	-0.1190u	0.4306	-0.4928u
Cr 267.716	8.5265	8.4732	8.4456
Cu 324.754	-1.8449u	-1.9911u	-2.0830u
Fe 271.441	331.156	338.806	336.105
K 766.491	67373.2x	67240.9x	67246.6x
Mg 279.078	19118.0	19127.6	19135.3
Mn 257.610	551.795	551.723	552.084
Mo 202.032	-0.1186u	-0.3280u	0.1838
Na 330.237	290971x	288978x	288828x
Ni 231.604	3.8855	1.5451	2.0104
Pb 220.353	-3.0988u	-2.2825u	-4.0366u
Sb 206.834	0.4057	0.3082	4.9320
Se 196.026	14.4538	9.5185	8.9092
Sn 189.925	-0.8005u	-5.1496u	0.9192
Sr 216.596	2178.43	2187.19	2190.73
Ti 334.941	2.1039	2.1881	2.2076
Tl 190.794	0.7526u	6.4439	0.7556u
V 292.401	23.6367	23.6227	23.4320
Zn 206.200	3.2050	2.3177	4.7321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0912b	ppb	0.7171	65.7	-238.039
Al 308.215	18.8598b	ppb	1.2191	6.5	374.844
As 188.980	-4.3491b	ppb	3.9375	90.5	1.4235
B 249.678	274.089b	ppb	1.2240	0.4	2782.89
Ba 389.178	47.6932b	ppb	0.4879	1.0	1201.34
Be 313.042	-0.1042b	ppb	0.0053	5.1	-262.653
Ca 370.602	535051b	ppb	2081	0.4	1764421
Cd 226.502	0.0279b	ppb	0.1636	586.2	11.5398
Co 228.615	-0.0604b	ppb	0.4645	769.2	11.2792
Cr 267.716	8.4818b	ppb	0.0411	0.5	379.742
Cu 324.754	-1.9730b	ppb	0.1201	6.1	12.9232
Fe 271.441	335.356b	ppb	3.8797	1.2	574.136
K 766.491	67286.9xb	ppb	74.8194	0.1	3389632
Mg 279.078	19127.0b	ppb	8.6746	0.0	39863.6
Mn 257.610	551.867b	ppb	0.1912	0.0	127274
Mo 202.032	-0.0876b	ppb	0.2573	293.7	8.5737
Na 330.237	289592xb	ppb	1196.27	0.4	14946.4
Ni 231.604	2.4803b	ppb	1.2389	49.9	8.8136
Pb 220.353	-3.1393b	ppb	0.8777	28.0	-1.5486
Sb 206.834	1.8820b	ppb	2.6419	140.4	3.3036
Se 196.026	10.9605b	ppb	3.0406	27.7	4.3870
Sn 189.925	-1.6770b	ppb	3.1279	186.5	-2.3164
Sr 216.596	2185.45b	ppb	6.3325	0.3	21348.4
Ti 334.941	2.1665b	ppb	0.0551	2.5	541.447
Tl 190.794	2.6507b	ppb	3.2850	123.9	0.0403
V 292.401	23.5638b	ppb	0.1143	0.5	663.947
Zn 206.200	3.4183b	ppb	1.2213	25.7	8736664

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9107u	-1.7475u	-1.5308u
Al 308.215	19.1655	18.1866	15.0574
As 188.980	-1.0252	-1.8426	8.6780
B 249.678	6875.30	6890.15	6907.90
Ba 389.178	28.9881	26.5566	27.5475
Be 313.042	0.6486	0.6243	0.6295
Ca 370.602	397404	398267	396638
Cd 226.502	1.4264	1.3461	1.3234
Co 228.615	17.1873	17.0200	15.4504
Cr 267.716	-1.5231	-1.5682	-1.9335
Cu 324.754	2.6748	3.0642	3.3917
Fe 271.441	372.875	381.956	370.907
K 766.491	439051x	437930x	438123x
Mg 279.078	1098371x	1095225x	1094173x
Mn 257.610	657.982	657.190	656.628
Mo 202.032	4.4146	4.6199	4.1755
Na 330.237	10437833x	10454287x	10403856x
Ni 231.604	33.4670	35.4831	34.6781
Pb 220.353	1.1529	-3.9959u	5.0250
Sb 206.834	4.5207	-0.7395u	2.4057
Se 196.026	17.9838	30.3838	13.5033
Sn 189.925	2.7906	3.9882	-3.2676
Sr 216.596	4096.61	4080.36	4088.68
Ti 334.941	-12.3795	-12.5433	-12.5368
Tl 190.794	-1.2892u	-1.7318u	7.0150
V 292.401	-0.4615u	-0.3233u	0.1465u
Zn 206.200	23.2064	21.8946	23.3360

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3963b	ppb	0.4343	31.1	-358.993
Al 308.215	17.4698b	ppb	2.1458	12.3	367.926
As 188.980	1.9367b	ppb	5.8524	302.2	4.1166
B 249.678	6891.12b	ppb	16.3236	0.2	65246.7
Ba 389.178	27.6974b	ppb	1.2227	4.4	3702.14
Be 313.042	0.6341b	ppb	0.0128	2.0	-169.847
Ca 370.602	397436b	ppb	814.7	0.2	1310605
Cd 226.502	1.3653b	ppb	0.0541	4.0	17.5230
Co 228.615	16.5526b	ppb	0.9582	5.8	206.528
Cr 267.716	-1.6750b	ppb	0.2250	13.4	104.108
Cu 324.754	3.0436b	ppb	0.3589	11.8	260.537
Fe 271.441	375.246b	ppb	5.8937	1.6	644.264
K 766.491	438368xb	ppb	599.273	0.1	22082014
Mg 279.078	1095923xb	ppb	2184.57	0.2	2283133
Mn 257.610	657.267b	ppb	0.6800	0.1	157477
Mo 202.032	4.4033b	ppb	0.2224	5.1	38.4179
Na 330.237	10431993xb	ppb	25717.9	0.2	538418
Ni 231.604	34.5428b	ppb	1.0149	2.9	92.6688
Pb 220.353	0.7273b	ppb	4.5255	622.2	4.8529
Sb 206.834	2.0623b	ppb	2.6469	128.3	3.3488
Se 196.026	20.6236b	ppb	8.7444	42.4	9.1709
Sn 189.925	1.1704b	ppb	3.8898	332.3	3.2671
Sr 216.596	4088.55b	ppb	8.1262	0.2	39874.7
Ti 334.941	-12.4865b	ppb	0.0928	0.7	488.996
Tl 190.794	1.3313b	ppb	4.9272	370.1	-1.0048
V 292.401	-0.2128b	ppb	0.3187	149.8	-75.8653
Zn 206.200	22.8123b	ppb	0.7974	3.5	38.0176

680-88313-a-4-b (Samp) 3/27/2013, 8:31:24 AM Rack 4, Tube 18
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1615u	-1.4455u	-0.4134u
Al 308.215	33.2139	32.1414	29.2803
As 188.980	8.4892	-2.8103	4.6373
B 249.678	8194.09x	8216.23x	8208.83x
Ba 389.178	24.1100	22.6014	22.4133
Be 313.042	0.7630	0.7490	0.7538
Ca 370.602	429567	428031	427952
Cd 226.502	1.1889u	1.6465	1.5108
Co 228.615	8.8336	9.0474	7.3992
Cr 267.716	-2.7650	-3.1884	-3.3077
Cu 324.754	13.2826	14.0816	13.9127
Fe 271.441	316.075	309.055	302.217
K 766.491	515454x	517194x	516263x
Mg 279.078	1173443x	1171751x	1170864x
Mn 257.610	1756.21	1756.38	1751.81
Mo 202.032	2.7048	2.7088	2.8237
Na 330.237	11993132x	12034525x	12111307x
Ni 231.604	30.2425	32.9804	29.3866
Pb 220.353	-3.3496u	6.4086	-1.2260u
Sb 206.834	0.7049	-7.5026u	-0.8754u
Se 196.026	17.7782	29.2155	6.8558
Sn 189.925	0.3526	-0.5072	-1.1534
Sr 216.596	4058.23	4057.91	4054.57
Ti 334.941	-13.4349	-13.2318	-13.2162
Tl 190.794	12.5824	6.0460	5.1947
V 292.401	1.6001u	1.2259u	1.5837u
Zn 206.200	9.7357	12.6129	11.8303

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0068b	ppb	0.5332	53.0	-325.819
Al 308.215	31.5452b	ppb	2.0334	6.4	449.524
As 188.980	3.4387b	ppb	5.7443	167.0	5.3022
B 249.678	8206.38xb	ppb	11.2730	0.1	77662.7
Ba 389.178	23.0416b	ppb	0.9300	4.0	3798.90
Be 313.042	0.7553b	ppb	0.0071	0.9	-125.874
Ca 370.602	428517b	ppb	910.5	0.2	1413134
Cd 226.502	1.4487b	ppb	0.2351	16.2	12.2522
Co 228.615	8.4267b	ppb	0.8963	10.6	111.197
Cr 267.716	-3.0870b	ppb	0.2852	9.2	73.2878
Cu 324.754	13.7590b	ppb	0.4211	3.1	788.440
Fe 271.441	309.116b	ppb	6.9291	2.2	530.599
K 766.491	516304xb	ppb	870.296	0.2	26007832
Mg 279.078	1172019xb	ppb	1309.94	0.1	2441646
Mn 257.610	1754.80b	ppb	2.5908	0.1	410669
Mo 202.032	2.7458b	ppb	0.0675	2.5	27.4185
Na 330.237	12046321xb	ppb	59964.1	0.5	621737
Ni 231.604	30.8698b	ppb	1.8773	6.1	83.0618
Pb 220.353	0.6110b	ppb	5.1319	839.9	4.9015
Sb 206.834	-2.5577b	ppb	4.3547	170.3	-0.9387
Se 196.026	17.9498b	ppb	11.1808	62.3	8.1248
Sn 189.925	-0.4360b	ppb	0.7555	173.3	2.5748
Sr 216.596	4056.90b	ppb	2.0267	0.0	39569.3
Ti 334.941	-13.2943b	ppb	0.1221	0.9	478.800
Tl 190.794	7.9410b	ppb	4.0420	50.9	2.4342
V 292.401	1.4699b	ppb	0.2115	14.4	-40.3258
Zn 206.200	11.3930b	ppb	1.4876	13.1	20.1613

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88313-a-5-d (Samp) 3/27/2013, 8:36:53 AM Rack 4, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8747u	-1.2799u	-1.0076u
Al 308.215	3.8785	2.6132	0.6836
As 188.980	-1.4115	2.1350	-1.1660
B 249.678	245.919	237.851	230.620
Ba 389.178	5406.01	5406.76	5401.75
Be 313.042	-0.0228u	-0.0253u	-0.0293u
Ca 370.602	124665	124824	124474
Cd 226.502	0.0703	-0.1377u	0.1269
Co 228.615	1.2408	0.4895	0.9117
Cr 267.716	1.1650	1.2348	1.1798
Cu 324.754	-0.2875u	-0.0379u	0.1800
Fe 271.441	103.933	92.1537	88.5503
K 766.491	52342.4x	52545.7x	52619.2x
Mg 279.078	32232.0	32169.3	32101.5
Mn 257.610	621.574	622.293	621.012
Mo 202.032	0.0663	-0.3315u	0.3272
Na 330.237	342734x	340578x	341102x
Ni 231.604	2.5953	1.0755	2.0085
Pb 220.353	-3.6637u	2.1017	0.7388
Sb 206.834	2.4981	-0.2240u	-2.1800u
Se 196.026	13.3728	-1.7494u	3.2819
Sn 189.925	0.3466	3.5293	3.0833
Sr 216.596	1653.17	1660.20	1652.74
Ti 334.941	0.0034	0.0235	0.0340
Tl 190.794	3.8508	4.0909	-3.0259u
V 292.401	1.9461	2.4023	2.5621
Zn 206.200	1.9843	0.1702	-0.1173u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0541b	ppb	0.2066	19.6	-210.805
Al 308.215	2.3918b	ppb	1.6089	67.3	279.305
As 188.980	-0.1475b	ppb	1.9805	1342.9	0.5527
B 249.678	238.130b	ppb	7.6529	3.2	2443.65
Ba 389.178	5404.84b	ppb	2.6995	0.0	133513
Be 313.042	-0.0258b	ppb	0.0033	12.6	-264.665
Ca 370.602	124654b	ppb	175.1	0.1	411077
Cd 226.502	0.0198b	ppb	0.1393	702.2	10.5134
Co 228.615	0.8807b	ppb	0.3766	42.8	22.2698
Cr 267.716	1.1932b	ppb	0.0367	3.1	62.8086
Cu 324.754	-0.0485b	ppb	0.2339	482.4	107.887
Fe 271.441	94.8791b	ppb	8.0454	8.5	165.050
K 766.491	52502.4xb	ppb	143.381	0.3	2644898
Mg 279.078	32167.6b	ppb	65.2566	0.2	67029.8
Mn 257.610	621.626b	ppb	0.6423	0.1	143407
Mo 202.032	0.0207b	ppb	0.3317	1606.0	9.3399
Na 330.237	341471xb	ppb	1124.90	0.3	17624.0
Ni 231.604	1.8931b	ppb	0.7664	40.5	7.2728
Pb 220.353	-0.2744b	ppb	3.0133	1098.2	3.1992
Sb 206.834	0.0313b	ppb	2.3495	7496.1	1.5062
Se 196.026	4.9685b	ppb	7.7009	155.0	1.4558
Sn 189.925	2.3197b	ppb	1.7232	74.3	0.6466
Sr 216.596	1655.37b	ppb	4.1885	0.3	16146.5
Ti 334.941	0.0203b	ppb	0.0155	76.6	24.9086
Tl 190.794	1.6386b	ppb	4.0413	246.6	-0.7238
V 292.401	2.3035b	ppb	0.3197	13.9	66.1917
Zn 206.200	0.6791b	ppb	1.1395	325.8	893.4052

680-88313-a-5-dSD^5 (Samp) 3/27/2013, 8:42:20 AM Rack 4, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6468u	0.0931u	-0.6535u
Al 308.215	-4.3684u	-3.6244u	-3.6101u
As 188.980	-1.6199u	-3.6979u	-3.0388u
B 249.678	53.9884	53.0720	50.0103
Ba 389.178	1068.02	1067.55	1065.43
Be 313.042	-0.0136u	-0.0074u	-0.0158u
Ca 370.602	23906	23915	23833
Cd 226.502	-0.2503u	-0.0539u	-0.0329u
Co 228.615	-0.2246u	0.1392	0.6796
Cr 267.716	0.0550	0.1041	-0.2202u
Cu 324.754	-0.2861u	-0.0619u	-0.3346u
Fe 271.441	21.5488	16.3428	16.9069
K 766.491	8899.83	8918.98	8927.80
Mg 279.078	6251.96	6250.58	6237.03
Mn 257.610	123.617	123.576	123.051
Mo 202.032	0.8562	-0.4284u	0.3422
Na 330.237	59641.6	60165.9	59956.8
Ni 231.604	0.3909	-0.0087u	-1.6012u
Pb 220.353	-1.6443u	-0.0656u	-1.3457u
Sb 206.834	-2.9066u	-2.4206u	-5.0093u
Se 196.026	2.2309	2.8342	-0.2073u
Sn 189.925	0.5440	1.5294	1.8211
Sr 216.596	326.019	326.114	323.925
Ti 334.941	-0.0629	-0.0188	-0.0311
Tl 190.794	4.0561	4.1167	5.3785
V 292.401	0.4015	0.4039	0.1584
Zn 206.200	-0.0783u	0.4482	-0.3994u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4024	ppb	0.4291	106.6	-108.403
Al 308.215	-3.8676	ppb	0.4337	11.2	242.893
As 188.980	-2.7856	ppb	1.0619	38.1	-1.9313
B 249.678	52.3569	ppb	2.0832	4.0	689.989
Ba 389.178	1067.00	ppb	1.3788	0.1	26333.2
Be 313.042	-0.0123	ppb	0.0043	35.2	-234.642
Ca 370.602	23885	ppb	45.23	0.2	78761
Cd 226.502	-0.1124	ppb	0.1199	106.7	6.6477
Co 228.615	0.1981	ppb	0.4550	229.7	14.2057
Cr 267.716	-0.0204	ppb	0.1748	857.7	3.2374
Cu 324.754	-0.2275	ppb	0.1455	63.9	99.0622
Fe 271.441	18.2662	ppb	2.8568	15.6	34.6853
K 766.491	8915.54	ppb	14.2968	0.2	449306
Mg 279.078	6246.52	ppb	8.2486	0.1	13036.7
Mn 257.610	123.414	ppb	0.3152	0.3	28517.6
Mo 202.032	0.2567	ppb	0.6466	251.9	10.9128
Na 330.237	59921.4	ppb	263.916	0.4	3092.66
Ni 231.604	-0.4063	ppb	1.0539	259.4	1.2575
Pb 220.353	-1.0186	ppb	0.8386	82.3	1.8641
Sb 206.834	-3.4455	ppb	1.3759	39.9	-1.7506
Se 196.026	1.6193	ppb	1.6104	99.5	-0.3130
Sn 189.925	1.2982	ppb	0.6692	51.6	-0.2822
Sr 216.596	325.353	ppb	1.2375	0.4	3180.19
Ti 334.941	-0.0376	ppb	0.0228	60.5	-79.7508
Tl 190.794	4.5171	ppb	0.7466	16.5	1.7554
V 292.401	0.3212	ppb	0.1410	43.9	12.5204
Zn 206.200	-0.0098	ppb	0.4279	433.7	2.3320

680-88313-a-5-dPDS (Samp) 3/27/2013, 8:47:48 AM Rack 4, Tube 21

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	53.7625	53.8679	52.9322
Al 308.215	2085.09	2089.74	2089.85
As 188.980	2315.32	2309.56	2333.97
B 249.678	1238.26	1247.59	1257.74
Ba 389.178	7364.34	7359.69	7362.38
Be 313.042	52.9973	53.0257	52.8411
Ca 370.602	125973	126085	125628
Cd 226.502	50.3752	50.5751	50.5328
Co 228.615	525.819	523.069	522.867
Cr 267.716	198.966	198.713	198.246
Cu 324.754	266.088	266.275	265.338
Fe 271.441	1129.82	1120.50	1124.53
K 766.491	57431.8x	57395.2x	57358.8x
Mg 279.078	36469.8	36477.7	36494.4
Mn 257.610	1131.39	1130.36	1131.59
Mo 202.032	511.487	511.109	511.880
Na 330.237	337762x	337008x	337769x
Ni 231.604	503.930	507.875	509.253
Pb 220.353	496.283	497.033	498.292
Sb 206.834	516.135	514.256	514.026
Se 196.026	2147.27	2147.32	2140.52
Sn 189.925	1047.73	1055.13	1044.53
Sr 216.596	2115.04	2114.95	2102.20
Ti 334.941	1012.47	1012.67	1006.81
Tl 190.794	2018.44	2042.84	2022.65
V 292.401	525.357	525.197	525.554
Zn 206.200	505.562	507.095	510.867

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5209b	ppb	0.5125	1.0	3613.33
Al 308.215	2088.22b	ppb	2.7184	0.1	12485.4
As 188.980	2319.61b	ppb	12.7602	0.6	1435.98
B 249.678	1247.87b	ppb	9.7404	0.8	11974.3
Ba 389.178	7362.14b	ppb	2.3349	0.0	181859
Be 313.042	52.9547b	ppb	0.0994	0.2	103630
Ca 370.602	125896b	ppb	238.1	0.2	415300
Cd 226.502	50.4944b	ppb	0.1053	0.2	1910.68
Co 228.615	523.918b	ppb	1.6490	0.3	6177.37
Cr 267.716	198.642b	ppb	0.3653	0.2	8681.72
Cu 324.754	265.900b	ppb	0.4959	0.2	13221.7
Fe 271.441	1124.95b	ppb	4.6720	0.4	2001.61
K 766.491	57395.3xb	ppb	36.4590	0.1	2891363
Mg 279.078	36480.6b	ppb	12.5660	0.0	76006.6
Mn 257.610	1131.11b	ppb	0.6594	0.1	260775
Mo 202.032	511.492b	ppb	0.3853	0.1	3402.58
Na 330.237	337513xb	ppb	437.600	0.1	17407.4
Ni 231.604	507.019b	ppb	2.7628	0.5	1328.36
Pb 220.353	497.203b	ppb	1.0152	0.2	823.430
Sb 206.834	514.805b	ppb	1.1570	0.2	477.590
Se 196.026	2145.04b	ppb	3.9119	0.2	1053.87
Sn 189.925	1049.13b	ppb	5.4377	0.5	814.323
Sr 216.596	2110.73b	ppb	7.3864	0.3	20558.4
Ti 334.941	1010.65b	ppb	3.3259	0.3	267598
Tl 190.794	2027.97b	ppb	13.0439	0.6	1390.89
V 292.401	525.369b	ppb	0.1788	0.0	14678.4
Zn 206.200	507.841b	ppb	2.7298	0.5	795.974

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88313-a-5-e ms (Samp) 3/27/2013, 8:53:26 AM Rack 4, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.4706	35.2381	34.9672
Al 308.215	5094.45	5087.01	5095.40
As 188.980	103.780	106.456	108.725
B 249.678	379.273	379.329	381.012
Ba 389.178	5443.95	5438.02	5443.05
Be 313.042	51.5229	51.4650	51.5951
Ca 370.602	127875	127528	127936
Cd 226.502	49.1431	49.6407	49.2812
Co 228.615	50.1351	51.1956	50.8176
Cr 267.716	96.6156	96.7238	96.8332
Cu 324.754	101.737	101.910	101.683
Fe 271.441	5007.51	5028.57	5037.76
K 766.491	58028.2x	57973.0x	57809.9x
Mg 279.078	36640.2	36690.4	36813.3
Mn 257.610	1119.60	1119.71	1123.88
Mo 202.032	98.1675	97.2031	98.4758
Na 330.237	343475x	343095x	343640x
Ni 231.604	101.830	96.3674	100.597
Pb 220.353	48.8587	47.6497	46.6438
Sb 206.834	53.2194	56.6595	47.9044
Se 196.026	101.198	107.870	95.9898
Sn 189.925	199.707	194.688	199.360
Sr 216.596	1722.54	1718.41	1730.14
Ti 334.941	96.8336	96.5820	96.9478
Tl 190.794	37.7849	43.6229	41.8534
V 292.401	103.556	103.227	103.568
Zn 206.200	99.7283	97.1863	101.460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.2253b	ppb	0.2520	0.7	2340.83
Al 308.215	5092.28b	ppb	4.5955	0.1	29929.5
As 188.980	106.321b	ppb	2.4755	2.3	66.3915
B 249.678	379.871b	ppb	0.9880	0.3	3777.03
Ba 389.178	5441.67b	ppb	3.1992	0.1	134443
Be 313.042	51.5277b	ppb	0.0652	0.1	100914
Ca 370.602	127780b	ppb	220.4	0.2	421004
Cd 226.502	49.3550b	ppb	0.2569	0.5	1877.22
Co 228.615	50.7161b	ppb	0.5375	1.1	607.074
Cr 267.716	96.7242b	ppb	0.1088	0.1	4235.30
Cu 324.754	101.776b	ppb	0.1183	0.1	5128.43
Fe 271.441	5024.61b	ppb	15.5095	0.3	8557.25
K 766.491	57937.0xb	ppb	113.545	0.2	2918652
Mg 279.078	36714.6b	ppb	89.0423	0.2	76494.1
Mn 257.610	1121.07b	ppb	2.4371	0.2	258474
Mo 202.032	97.9488b	ppb	0.6639	0.7	658.805
Na 330.237	343403xb	ppb	279.240	0.1	17720.8
Ni 231.604	99.5984b	ppb	2.8652	2.9	262.907
Pb 220.353	47.7174b	ppb	1.1090	2.3	82.2706
Sb 206.834	52.5944b	ppb	4.4109	8.4	50.6930
Se 196.026	101.686b	ppb	5.9553	5.9	49.1631
Sn 189.925	197.918b	ppb	2.8033	1.4	152.686
Sr 216.596	1723.69b	ppb	5.9490	0.3	16809.5
Ti 334.941	96.7878b	ppb	0.1871	0.2	25663.3
Tl 190.794	41.0871b	ppb	2.9935	7.3	25.7237
V 292.401	103.450b	ppb	0.1936	0.2	2886.65
Zn 206.200	99.4583b	ppb	2.1498	2.2	157.594

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88313-a-5-f msd (Samp) 3/27/2013, 8:58:55 AM Rack 4, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.4925	36.2161	36.2700
Al 308.215	5151.64	5154.36	5162.62
As 188.980	115.064	107.483	113.546
B 249.678	369.381	371.074	369.789
Ba 389.178	5509.63	5511.19	5524.75
Be 313.042	52.0729	52.2223	52.2819
Ca 370.602	129432	129721	129878
Cd 226.502	49.9284	50.0979	49.9286
Co 228.615	50.0193	52.0497	51.3538
Cr 267.716	97.6260	98.1145	98.2439
Cu 324.754	103.043	103.274	103.575
Fe 271.441	5058.68	5070.52	5069.44
K 766.491	58872.8x	58683.9x	58701.8x
Mg 279.078	37178.8	37298.9	37349.7
Mn 257.610	1137.07	1140.06	1139.96
Mo 202.032	98.1670	97.7149	97.4553
Na 330.237	349107x	348427x	349457x
Ni 231.604	99.6391	100.513	98.8676
Pb 220.353	50.8039	44.2509	44.7930
Sb 206.834	50.2463	48.9290	49.3209
Se 196.026	105.631	113.905	112.494
Sn 189.925	202.323	196.608	197.282
Sr 216.596	1744.31	1757.50	1755.38
Ti 334.941	97.4098	97.7681	98.2246
Tl 190.794	40.7911	41.0138	40.8480
V 292.401	104.750	104.692	105.014
Zn 206.200	102.832	105.339	103.151

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.9929b	ppb	0.4342	1.2	2393.70
Al 308.215	5156.21b	ppb	5.7182	0.1	30301.7
As 188.980	112.031b	ppb	4.0113	3.6	69.9411
B 249.678	370.081b	ppb	0.8834	0.2	3684.58
Ba 389.178	5515.19b	ppb	8.3149	0.2	136260
Be 313.042	52.1924b	ppb	0.1076	0.2	102219
Ca 370.602	129677b	ppb	226.2	0.2	427256
Cd 226.502	49.9850b	ppb	0.0978	0.2	1900.99
Co 228.615	51.1409b	ppb	1.0318	2.0	612.106
Cr 267.716	97.9948b	ppb	0.3259	0.3	4290.93
Cu 324.754	103.297b	ppb	0.2667	0.3	5203.36
Fe 271.441	5066.21b	ppb	6.5478	0.1	8628.09
K 766.491	58752.9xb	ppb	104.253	0.2	2959748
Mg 279.078	37275.8b	ppb	87.7466	0.2	77662.8
Mn 257.610	1139.03b	ppb	1.6972	0.1	262614
Mo 202.032	97.7790b	ppb	0.3602	0.4	657.674
Na 330.237	348997xb	ppb	523.657	0.2	18009.4
Ni 231.604	99.6734b	ppb	0.8234	0.8	263.104
Pb 220.353	46.6159b	ppb	3.6370	7.8	80.4538
Sb 206.834	49.4987b	ppb	0.6764	1.4	47.8276
Se 196.026	110.676b	ppb	4.4265	4.0	53.5885
Sn 189.925	198.737b	ppb	3.1235	1.6	153.325
Sr 216.596	1752.40b	ppb	7.0853	0.4	17089.3
Ti 334.941	97.8008b	ppb	0.4084	0.4	25933.2
Tl 190.794	40.8843b	ppb	0.1157	0.3	25.5655
V 292.401	104.819b	ppb	0.1714	0.2	2925.07
Zn 206.200	103.774b	ppb	1.3649	1.3	164.339

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88313-a-6-b (Samp) 3/27/2013, 9:04:23 AM Rack 4, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8784u	-1.2278u	-1.0116u
Al 308.215	14.7937	15.0178	14.6823
As 188.980	1.8317	-3.7335u	6.6860
B 249.678	201.524	201.684	201.600
Ba 389.178	4842.15	4841.30	4842.90
Be 313.042	-0.0108u	-0.0194u	-0.0077u
Ca 370.602	114737	114916	115325
Cd 226.502	-0.0254u	-0.0757u	0.1327
Co 228.615	1.1151	0.5915	1.6818
Cr 267.716	3.0876	3.0016	2.6359
Cu 324.754	0.0407	0.3390	0.2451
Fe 271.441	173.833	170.859	179.266
K 766.491	56970.0x	56905.2x	57038.9x
Mg 279.078	41426.0	41476.7	41524.7
Mn 257.610	391.035	390.704	391.793
Mo 202.032	-0.7774u	-0.3919u	0.4838
Na 330.237	463925x	467385x	464688x
Ni 231.604	2.3762	1.9092	-0.1940u
Pb 220.353	-0.7963u	-3.2963u	-1.3992u
Sb 206.834	1.8635	2.1360	-4.3052u
Se 196.026	3.3867	15.3572	1.7824
Sn 189.925	4.8725	0.1974	1.2465
Sr 216.596	1469.43	1481.08	1485.18
Ti 334.941	14.4124	14.5193	14.4585
Tl 190.794	3.1017	1.9992	3.0063
V 292.401	10.5889	10.0025	10.2936
Zn 206.200	2.4607	2.1532	2.9520

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0393b	ppb	0.1764	17.0	-203.297
Al 308.215	14.8313b	ppb	0.1709	1.2	351.596
As 188.980	1.5947b	ppb	5.2138	326.9	1.5468
B 249.678	201.603b	ppb	0.0800	0.0	2098.77
Ba 389.178	4842.11b	ppb	0.8020	0.0	119644
Be 313.042	-0.0126b	ppb	0.0061	48.2	-258.076
Ca 370.602	114993b	ppb	301.5	0.3	379205
Cd 226.502	0.0105b	ppb	0.1087	1034.0	9.7739
Co 228.615	1.1295b	ppb	0.5453	48.3	25.5950
Cr 267.716	2.9084b	ppb	0.2399	8.2	138.800
Cu 324.754	0.2083b	ppb	0.1525	73.2	120.486
Fe 271.441	174.652b	ppb	4.2628	2.4	300.754
K 766.491	56971.3xb	ppb	66.8736	0.1	2870009
Mg 279.078	41475.8b	ppb	49.3912	0.1	86425.1
Mn 257.610	391.177b	ppb	0.5582	0.1	90382.0
Mo 202.032	-0.2285b	ppb	0.6463	282.8	7.6690
Na 330.237	465332xb	ppb	1817.72	0.4	24016.6
Ni 231.604	1.3638b	ppb	1.3692	100.4	5.8903
Pb 220.353	-1.8306b	ppb	1.3046	71.3	0.5717
Sb 206.834	-0.1019b	ppb	3.6427	3574.2	1.4007
Se 196.026	6.8421b	ppb	7.4178	108.4	2.3213
Sn 189.925	2.1055b	ppb	2.4530	116.5	0.5180
Sr 216.596	1478.56b	ppb	8.1745	0.6	14423.1
Ti 334.941	14.4634b	ppb	0.0536	0.4	3878.75
Tl 190.794	2.7024b	ppb	0.6109	22.6	0.2376
V 292.401	10.2950b	ppb	0.2932	2.8	290.187
Zn 206.200	2.5219b	ppb	0.4029	16.0	62820

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Cont Calib Verif (CCV) 3/27/2013, 9:09:51 AM Rack 4, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	495.916	499.850	500.502
Al 308.215	4897.22	4900.54	4910.62
As 188.980	453.872	460.208	462.470
B 249.678	2446.52	2464.75	2483.57
Ba 389.178	4890.19	4893.43	4897.27
Be 313.042	483.086	484.173	484.593
Ca 370.602	4825	4825	4830
Cd 226.502	469.089	469.808	469.959
Co 228.615	485.648	485.681	487.081
Cr 267.716	4645.70	4654.95	4658.05
Cu 324.754	4778.35	4908.09	4845.07
Fe 271.441	4875.36	4884.98	4891.97
K 766.491	10005.9	10031.6	10041.0
Mg 279.078	4781.56	4791.40	4795.38
Mn 257.610	4868.45	4884.16	4880.77
Mo 202.032	470.522	474.684	471.913
Na 330.237	7139.78	7413.78	7275.85
Ni 231.604	2411.14	2417.94	2420.98
Pb 220.353	472.963	471.905	470.925
Sb 206.834	911.148	919.793	909.275
Se 196.026	4744.87	4731.84	4771.49
Sn 189.925	4860.49	4938.11	4871.83
Sr 216.596	2344.26	2349.53	2350.19
Ti 334.941	475.790	476.298	477.552
Tl 190.794	4771.61	4762.38	4758.71
V 292.401	4850.23	4852.40	4854.19
Zn 206.200	2388.51	2394.70	2391.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.756	ppb	2.4810	0.5	34972.2	99.75124
Al 308.215	4902.79	ppb	6.9798	0.1	28791.0	98.05588
As 188.980	458.850	ppb	4.4571	1.0	283.410	91.77001
B 249.678	2464.95	ppb	18.5247	0.8	23459.7	98.59788
Ba 389.178	4893.63	ppb	3.5429	0.1	120835	97.87260
Be 313.042	483.951	ppb	0.7779	0.2	949508	96.79013
Ca 370.602	4826	ppb	2.939	0.1	15778	96.52988
Cd 226.502	469.619	ppb	0.4648	0.1	17677.2	93.92372
Co 228.615	486.137	ppb	0.8180	0.2	5732.24	97.22739
Cr 267.716	4652.90	ppb	6.4280	0.1	203106	93.05803
Cu 324.754	4843.84	ppb	64.8811	1.3	238756	96.87675
Fe 271.441	4884.10	ppb	8.3367	0.2	8428.88	97.68204
K 766.491	10026.2	ppb	18.2093	0.2	505252	100.26172
Mg 279.078	4789.45	ppb	7.1135	0.1	9925.69	95.78896
Mn 257.610	4877.79	ppb	8.2668	0.2	1123523	97.55589
Mo 202.032	472.373	ppb	2.1186	0.4	3135.36	94.47458
Na 330.237	7276.47	ppb	136.999	1.9	352.343	97.01959
Ni 231.604	2416.69	ppb	5.0374	0.2	6322.85	96.66748
Pb 220.353	471.931	ppb	1.0190	0.2	782.813	94.38619
Sb 206.834	913.405	ppb	5.6105	0.6	895.381	91.34050
Se 196.026	4749.40	ppb	20.2079	0.4	2335.39	94.98803
Sn 189.925	4890.14	ppb	41.9258	0.9	3799.76	97.80286
Sr 216.596	2348.00	ppb	3.2494	0.1	22832.2	93.91991
Ti 334.941	476.547	ppb	0.9067	0.2	126089	95.30934
Tl 190.794	4764.23	ppb	6.6437	0.1	3268.11	95.28465
V 292.401	4852.27	ppb	1.9849	0.0	136095	97.04544
Zn 206.200	2391.47	ppb	3.1044	0.1	3728.01	95.65865

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Cont Calib Blank (CCB) 3/27/2013, 9:15:19 AM Rack 4, Tube 26

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4121	0.4368	-0.3467u
Al 308.215	-5.4150u	-1.8750u	-3.4265u
As 188.980	-2.8127u	0.7254	-3.7452u
B 249.678	51.3557	45.5487	41.0258
Ba 389.178	-0.3086u	0.8796	0.8604
Be 313.042	-0.0130u	-0.0027u	-0.0047u
Ca 370.602	3.061	1.627	-0.6946u
Cd 226.502	0.1175	-0.0080u	0.0620
Co 228.615	-0.0358u	0.4134	0.4579
Cr 267.716	-0.1587u	0.2352	-0.3761u
Cu 324.754	0.1673	0.5528	0.0039
Fe 271.441	1.7270	5.0371	-1.3122u
K 766.491	0.8823	2.6089	2.6694
Mg 279.078	-0.2872u	1.4879	1.9765
Mn 257.610	-0.0513u	-0.0694u	-0.0063u
Mo 202.032	1.0170	0.6980	0.9202
Na 330.237	20.6679	0.7221	-202.313u
Ni 231.604	0.8773	-0.5821u	-0.6056u
Pb 220.353	-4.6348u	0.2227	-3.3930u
Sb 206.834	0.4831	1.5481	2.4334
Se 196.026	5.7749	3.9643	2.3751
Sn 189.925	4.4965	3.2805	1.2822
Sr 216.596	-0.3308u	0.3043	-0.3806u
Ti 334.941	0.1244	0.0984	0.0691
Tl 190.794	2.2506	2.2044	-0.9853u
V 292.401	0.3214	0.0293	-0.0004u
Zn 206.200	-0.6480u	-0.1875u	-0.4540u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1674	ppb	0.4454	266.1	-54.4215	0.16738
Al 308.215	-3.5721	ppb	1.7745	49.7	244.720	-3.57215
As 188.980	-1.9442	ppb	2.3585	121.3	-1.6126	-1.94417
B 249.678	45.9767	ppb	5.1782	11.3	629.763	45.97672
Ba 389.178	0.4771	ppb	0.6805	142.6	-18.2387	0.47713
Be 313.042	-0.0068	ppb	0.0055	80.2	-224.129	-0.00681
Ca 370.602	1.331	ppb	1.895	142.4	-1.729	1.33129
Cd 226.502	0.0572	ppb	0.0629	109.9	13.2454	0.05717
Co 228.615	0.2785	ppb	0.2731	98.1	15.1193	0.27849
Cr 267.716	-0.0998	ppb	0.3099	310.3	-1.7067	-0.09985
Cu 324.754	0.2413	ppb	0.2819	116.8	122.183	0.24132
Fe 271.441	1.8173	ppb	3.1756	174.7	6.7686	1.81731
K 766.491	2.0535	ppb	1.0148	49.4	309.256	2.05353
Mg 279.078	1.0591	ppb	1.1912	112.5	27.5446	1.05905
Mn 257.610	-0.0423	ppb	0.0325	76.7	48.9855	-0.04231
Mo 202.032	0.8784	ppb	0.1635	18.6	15.0399	0.87839
Na 330.237	-60.3078	ppb	123.384	204.6	-3.1159	-60.30781
Ni 231.604	-0.1035	ppb	0.8495	821.1	2.0493	-0.10346
Pb 220.353	-2.6017	ppb	2.5236	97.0	-0.7781	-2.60172
Sb 206.834	1.4882	ppb	0.9765	65.6	2.8413	1.48821
Se 196.026	4.0381	ppb	1.7011	42.1	0.8461	4.03813
Sn 189.925	3.0197	ppb	1.6229	53.7	1.0263	3.01974
Sr 216.596	-0.1357	ppb	0.3819	281.4	7.0568	-0.13570
Ti 334.941	0.0973	ppb	0.0277	28.4	-66.1552	0.09729
Tl 190.794	1.1566	ppb	1.8550	160.4	-0.4288	1.15658
V 292.401	0.1168	ppb	0.1779	152.3	7.0412	0.11677
Zn 206.200	-0.4298	ppb	0.2312	53.8	89.16754	-0.42980

680-88313-a-7-b (Samp) 3/27/2013, 9:20:47 AM Rack 4, Tube 27
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1773u	-0.6881u	0.1849u
Al 308.215	766.801	770.358	771.119
As 188.980	37.3569	43.0477	42.5433
B 249.678	909.418	912.315	913.914
Ba 389.178	224.171	224.960	223.605
Be 313.042	1.3584	1.3648	1.3597
Ca 370.602	67588	67753	67675
Cd 226.502	0.6476	0.6311	0.2929u
Co 228.615	0.9526	1.1798	1.2309
Cr 267.716	90.4451	91.0934	90.6354
Cu 324.754	3.2013	2.9534	3.0433
Fe 271.441	797.058	794.764	789.639
K 766.491	106429x	106818x	106725x
Mg 279.078	147728	147669	147532
Mn 257.610	253.043	253.447	253.172
Mo 202.032	2.2131	2.2271	2.3048
Na 330.237	2695086x	2668727x	2723223x
Ni 231.604	23.4932	25.6429	22.6158
Pb 220.353	1.3218	1.6610	3.6525
Sb 206.834	-0.3351	-1.3226u	-1.9460u
Se 196.026	2.8966	19.0693	10.9358
Sn 189.925	9.2459	4.9193	-2.2741u
Sr 216.596	1040.41	1043.37	1040.17
Ti 334.941	677.698	680.266	679.310
Tl 190.794	3.9946	-1.9175u	6.2500
V 292.401	363.035	363.233	362.381
Zn 206.200	17.5346	16.4849	19.2527

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2268b	ppb	0.4386	193.4	-126.780
Al 308.215	769.426b	ppb	2.3049	0.3	4739.65
As 188.980	40.9826b	ppb	3.1501	7.7	25.5120
B 249.678	911.882b	ppb	2.2793	0.2	8803.13
Ba 389.178	224.245b	ppb	0.6803	0.3	5919.07
Be 313.042	1.3610b	ppb	0.0034	0.2	2128.98
Ca 370.602	67672b	ppb	82.30	0.1	223234
Cd 226.502	0.5239b	ppb	0.2002	38.2	19.1669
Co 228.615	1.1211b	ppb	0.1481	13.2	43.8837
Cr 267.716	90.7246b	ppb	0.3332	0.4	4007.02
Cu 324.754	3.0660b	ppb	0.1255	4.1	258.082
Fe 271.441	793.820b	ppb	3.7986	0.5	1356.89
K 766.491	106657xb	ppb	203.098	0.2	5372832
Mg 279.078	147643b	ppb	100.606	0.1	307604
Mn 257.610	253.221b	ppb	0.2064	0.1	59186.8
Mo 202.032	2.2483b	ppb	0.0494	2.2	23.4686
Na 330.237	2695679xb	ppb	27252.8	1.0	139124
Ni 231.604	23.9173b	ppb	1.5575	6.5	64.8882
Pb 220.353	2.2118b	ppb	1.2592	56.9	6.8316
Sb 206.834	-1.2012b	ppb	0.8123	67.6	1.1898
Se 196.026	10.9672b	ppb	8.0864	73.7	4.3207
Sn 189.925	3.9637b	ppb	5.8191	146.8	2.6974
Sr 216.596	1041.32b	ppb	1.7845	0.2	10158.9
Ti 334.941	679.091b	ppb	1.2980	0.2	180117
Tl 190.794	2.7757b	ppb	4.2179	152.0	0.5228
V 292.401	362.883b	ppb	0.4458	0.1	10195.0
Zn 206.200	17.7574b	ppb	1.3973	7.9	20.8325

680-88313-a-8-b (Samp) 3/27/2013, 9:26:26 AM Rack 4, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0483u	-1.4125u	-1.4130u
Al 308.215	2.5316	1.0002	3.4194
As 188.980	3.7938	2.9736	6.5947
B 249.678	414.234	411.892	415.848
Ba 389.178	19.5035	18.6287	17.7083
Be 313.042	-0.0460u	-0.0417u	-0.0530u
Ca 370.602	182924	182545	182992
Cd 226.502	-0.2470u	-0.1797u	-0.0828u
Co 228.615	-0.1390u	0.2385	0.8509
Cr 267.716	18.4954	17.9314	17.8018
Cu 324.754	0.2979	0.1376	0.7416
Fe 271.441	45.5917	55.4809	51.6631
K 766.491	19052.9	19069.2	19134.5
Mg 279.078	13372.3	13344.5	13339.5
Mn 257.610	1145.94	1145.24	1146.29
Mo 202.032	0.9957	-0.2321u	0.4108
Na 330.237	166830x	165633x	167065x
Ni 231.604	5.2729	2.2843	3.8417
Pb 220.353	-1.8166u	-1.9861u	-2.6313u
Sb 206.834	-1.6520u	2.8006	-1.7812u
Se 196.026	13.7985	-1.0671u	3.7569
Sn 189.925	7.3979	5.6074	7.7078
Sr 216.596	812.686	812.298	810.935
Ti 334.941	2.6680	2.7008	2.5880
Tl 190.794	3.7599	6.5914	-1.8263u
V 292.401	15.5195	14.6953	14.8698
Zn 206.200	10.3075	11.7981	12.5140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9257b	ppb	0.8436	91.1	-162.313
Al 308.215	2.3171b	ppb	1.2238	52.8	278.678
As 188.980	4.4540b	ppb	1.8987	42.6	3.8868
B 249.678	413.991b	ppb	1.9889	0.5	4103.72
Ba 389.178	18.6135b	ppb	0.8977	4.8	466.745
Be 313.042	-0.0469b	ppb	0.0057	12.1	-259.844
Ca 370.602	182820b	ppb	241.1	0.1	602910
Cd 226.502	-0.1698b	ppb	0.0825	48.6	4.0377
Co 228.615	0.3168b	ppb	0.4996	157.7	15.7280
Cr 267.716	18.0762b	ppb	0.3688	2.0	798.911
Cu 324.754	0.3924b	ppb	0.3129	79.7	129.478
Fe 271.441	50.9119b	ppb	4.9872	9.8	90.4523
K 766.491	19085.5b	ppb	43.2050	0.2	961597
Mg 279.078	13352.1b	ppb	17.7003	0.1	27823.5
Mn 257.610	1145.82b	ppb	0.5364	0.0	264033
Mo 202.032	0.3914b	ppb	0.6141	156.9	11.7806
Na 330.237	166510xb	ppb	767.908	0.5	8593.80
Ni 231.604	3.7996b	ppb	1.4948	39.3	12.2581
Pb 220.353	-2.1447b	ppb	0.4299	20.0	0.2206
Sb 206.834	-0.2109b	ppb	2.6088	1237.2	1.4342
Se 196.026	5.4961b	ppb	7.5839	138.0	1.8437
Sn 189.925	6.9043b	ppb	1.1339	16.4	4.1736
Sr 216.596	811.973b	ppb	0.9194	0.1	7935.35
Ti 334.941	2.6523b	ppb	0.0580	2.2	654.532
Tl 190.794	2.8417b	ppb	4.2833	150.7	-0.4162
V 292.401	15.0282b	ppb	0.4343	2.9	424.202
Zn 206.200	11.5399b	ppb	1.1257	9.8	203386

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88367-a-1-b (Samp) 3/27/2013, 9:31:55 AM Rack 4, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8462u	-1.0947u	-1.0073u
Al 308.215	14.5089	18.5544	14.4252
As 188.980	31.5133	20.8044	16.9152
B 249.678	1971.86	1981.32	1986.89
Ba 389.178	21.7734	23.0966	21.8980
Be 313.042	0.2168	0.2011u	0.2075
Ca 370.602	134665	134605	134342
Cd 226.502	0.4735u	0.5788	0.4855
Co 228.615	0.6407	1.6362	0.4247
Cr 267.716	2.8671	2.7546	2.5599
Cu 324.754	0.7058	0.4304	0.4361
Fe 271.441	107.422	110.911	110.878
K 766.491	169820x	170359x	170557x
Mg 279.078	168434	167946	167779
Mn 257.610	767.756	767.151	766.138
Mo 202.032	1.0280	0.5811	0.7632
Na 330.237	3561894x	3567470x	3602846x
Ni 231.604	7.7486	8.2081	7.1798
Pb 220.353	-1.4837u	-1.2666u	-1.4011u
Sb 206.834	9.5099	1.6480	1.5248
Se 196.026	16.6074	-1.9051u	8.5321
Sn 189.925	-6.6663u	2.7225	-3.4393u
Sr 216.596	568.639	569.603	566.987
Ti 334.941	-0.0206	-0.0829	0.0030
Tl 190.794	-2.6795u	-5.3114u	-3.2351u
V 292.401	7.4348	8.0771	7.4466
Zn 206.200	3.1873	4.8090	5.4963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9827b	ppb	0.1260	12.8	-159.561
Al 308.215	15.8295b	ppb	2.3602	14.9	357.631
As 188.980	23.0776b	ppb	7.5599	32.8	15.0007
B 249.678	1980.02b	ppb	7.6009	0.4	18886.9
Ba 389.178	22.2560b	ppb	0.7306	3.3	986.635
Be 313.042	0.2085b	ppb	0.0079	3.8	-207.923
Ca 370.602	134538b	ppb	171.9	0.1	443671
Cd 226.502	0.5126b	ppb	0.0576	11.2	12.2862
Co 228.615	0.9005b	ppb	0.6462	71.8	22.5887
Cr 267.716	2.7272b	ppb	0.1554	5.7	183.587
Cu 324.754	0.5241b	ppb	0.1574	30.0	136.095
Fe 271.441	109.737b	ppb	2.0048	1.8	190.428
K 766.491	170245xb	ppb	381.169	0.2	8575928
Mg 279.078	168053b	ppb	340.568	0.2	350115
Mn 257.610	767.015b	ppb	0.8178	0.1	177629
Mo 202.032	0.7908b	ppb	0.2247	28.4	14.4417
Na 330.237	3577403xb	ppb	22209.7	0.6	184638
Ni 231.604	7.7122b	ppb	0.5151	6.7	22.4920
Pb 220.353	-1.3838b	ppb	0.1095	7.9	1.3961
Sb 206.834	4.2276b	ppb	4.5750	108.2	5.4313
Se 196.026	7.7448b	ppb	9.2813	119.8	2.8580
Sn 189.925	-2.4610b	ppb	4.7702	193.8	-1.9735
Sr 216.596	568.410b	ppb	1.3232	0.2	5558.03
Ti 334.941	-0.0335b	ppb	0.0444	132.6	346.525
Tl 190.794	-3.7420b	ppb	1.3872	37.1	-4.5682
V 292.401	7.6528b	ppb	0.3675	4.8	191.238
Zn 206.200	4.4975b	ppb	1.1856	26.4	93687

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88367-a-2-b (Samp) 3/27/2013, 9:37:33 AM Rack 4, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4515u	-0.2519u	-0.6617u
Al 308.215	31.3569	33.9129	33.1218
As 188.980	4.9310	19.0741	14.3585
B 249.678	101.180	97.7293	96.8999
Ba 389.178	7.8178	8.4441	8.0712
Be 313.042	-0.0173u	-0.0170u	-0.0214u
Ca 370.602	17107	17093	17134
Cd 226.502	0.0420	-0.0579u	0.1563
Co 228.615	0.1878	0.6678	-0.2529u
Cr 267.716	0.2955	0.1447	0.3566
Cu 324.754	3.5515	3.0183	3.3541
Fe 271.441	37.5111	36.0726	29.5562
K 766.491	5353.71	5365.71	5378.57
Mg 279.078	3113.96	3107.24	3097.26
Mn 257.610	4.9207	4.9348	4.9168
Mo 202.032	2.7611	1.8491	1.2040
Na 330.237	49304.6	49505.7	49459.3
Ni 231.604	1.6360	0.7600	1.6543
Pb 220.353	0.9641	-0.3866u	-1.9969u
Sb 206.834	-2.5310u	5.5267	-2.3401u
Se 196.026	9.8023	-6.1852u	-0.8436u
Sn 189.925	3.9961	1.4958	1.3950
Sr 216.596	140.277	139.411	139.761
Ti 334.941	1.1263	1.0817	1.1574
Tl 190.794	1.6267	-0.1010u	-2.4409u
V 292.401	4.5659	3.9027	4.4938
Zn 206.200	1.6330	0.4137	0.4080

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4550	ppb	0.2049	45.0	-104.409
Al 308.215	32.7972	ppb	1.3085	4.0	456.600
As 188.980	12.7878	ppb	7.2012	56.3	7.6484
B 249.678	98.6031	ppb	2.2700	2.3	1126.52
Ba 389.178	8.1110	ppb	0.3150	3.9	178.950
Be 313.042	-0.0186	ppb	0.0025	13.2	-247.843
Ca 370.602	17111	ppb	20.60	0.1	56420
Cd 226.502	0.0468	ppb	0.1072	229.1	12.6879
Co 228.615	0.2009	ppb	0.4605	229.2	14.1964
Cr 267.716	0.2656	ppb	0.1091	41.1	15.0554
Cu 324.754	3.3080	ppb	0.2696	8.1	273.294
Fe 271.441	34.3800	ppb	4.2390	12.3	62.1719
K 766.491	5366.00	ppb	12.4348	0.2	270506
Mg 279.078	3106.15	ppb	8.4004	0.3	6496.25
Mn 257.610	4.9241	ppb	0.0095	0.2	1210.11
Mo 202.032	1.9381	ppb	0.7824	40.4	22.0632
Na 330.237	49423.2	ppb	105.290	0.2	2550.81
Ni 231.604	1.3501	ppb	0.5111	37.9	5.8515
Pb 220.353	-0.4731	ppb	1.4824	313.3	2.7354
Sb 206.834	0.2186	ppb	4.5980	2103.7	1.6443
Se 196.026	0.9245	ppb	8.1391	880.4	-0.6834
Sn 189.925	2.2956	ppb	1.4735	64.2	0.4869
Sr 216.596	139.816	ppb	0.4359	0.3	1372.00
Ti 334.941	1.1218	ppb	0.0380	3.4	214.587
Tl 190.794	-0.3051	ppb	2.0414	669.2	-1.4380
V 292.401	4.3208	ppb	0.3639	8.4	124.642
Zn 206.200	0.8182	ppb	0.7057	86.2	2.6261

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88367-a-3-b (Samp) 3/27/2013, 9:43:02 AM Rack 4, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6918u	-0.5376u	-0.7400u
Al 308.215	53.1623	57.7564	53.1713
As 188.980	-1.8929	7.3241	5.9158
B 249.678	609.402	612.530	614.284
Ba 389.178	154.658	156.147	154.896
Be 313.042	0.0180u	0.0221u	0.0198u
Ca 370.602	154694	154585	154448
Cd 226.502	-0.0795u	0.1891	0.0767u
Co 228.615	0.2271	0.5278	-0.7051u
Cr 267.716	0.1884	0.2687	0.6319
Cu 324.754	-0.1226u	0.4864	0.0322
Fe 271.441	606.999	609.710	600.589
K 766.491	46842.2x	46818.7x	46491.1x
Mg 279.078	65316.6	65161.1	65285.6
Mn 257.610	1558.04	1559.14	1558.73
Mo 202.032	0.5526	1.0688	0.1910
Na 330.237	1155133x	1152351x	1151747x
Ni 231.604	4.8566	6.9585	8.4332
Pb 220.353	-1.9586u	-1.4233u	-3.1436u
Sb 206.834	1.6898	-2.2564u	4.0285
Se 196.026	10.8206	-0.5667	20.8694
Sn 189.925	4.0965	2.5010	-2.2074u
Sr 216.596	2060.74	2061.12	2057.73
Ti 334.941	2.7929	2.8968	2.7699
Tl 190.794	4.1709	6.4835	10.0559
V 292.401	-0.8364u	-0.9773u	-1.1038u
Zn 206.200	3.2485	4.9051	3.4235

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6565b	ppb	0.1058	16.1	-197.499
Al 308.215	54.6967b	ppb	2.6498	4.8	584.060
As 188.980	3.7823b	ppb	4.9651	131.3	3.2295
B 249.678	612.072b	ppb	2.4727	0.4	5973.08
Ba 389.178	155.234b	ppb	0.7998	0.5	3985.22
Be 313.042	0.0200b	ppb	0.0020	10.2	-262.749
Ca 370.602	154576b	ppb	122.9	0.1	509732
Cd 226.502	0.0621b	ppb	0.1349	217.1	9.1239
Co 228.615	0.0166b	ppb	0.6429	3873.1	12.1495
Cr 267.716	0.3630b	ppb	0.2363	65.1	43.7442
Cu 324.754	0.1320b	ppb	0.3165	239.8	116.988
Fe 271.441	605.766b	ppb	4.6843	0.8	1033.80
K 766.491	46717.3xb	ppb	196.308	0.4	2353486
Mg 279.078	65254.4b	ppb	82.3010	0.1	135944
Mn 257.610	1558.64b	ppb	0.5544	0.0	359395
Mo 202.032	0.6041b	ppb	0.4411	73.0	13.1946
Na 330.237	1153077xb	ppb	1806.12	0.2	59512.6
Ni 231.604	6.7494b	ppb	1.7975	26.6	19.9842
Pb 220.353	-2.1752b	ppb	0.8804	40.5	0.2565
Sb 206.834	1.1540b	ppb	3.1766	275.3	2.5485
Se 196.026	10.3744b	ppb	10.7250	103.4	4.3469
Sn 189.925	1.4634b	ppb	3.2775	224.0	0.2667
Sr 216.596	2059.86b	ppb	1.8566	0.1	20089.8
Ti 334.941	2.8199b	ppb	0.0676	2.4	846.108
Tl 190.794	6.9034b	ppb	2.9649	42.9	1.9338
V 292.401	-0.9725b	ppb	0.1338	13.8	-32.3347
Zn 206.200	3.8590b	ppb	0.9101	23.6	8.3801

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0862u	-0.9856u	-1.3662u
Al 308.215	431.895	435.281	433.472
As 188.980	-2.4036u	3.3955	4.0125
B 249.678	1802.97	1811.79	1825.17
Ba 389.178	33.2660	33.1252	33.2216
Be 313.042	0.1745	0.1864	0.1628
Ca 370.602	81341	81156	81490
Cd 226.502	0.0883u	0.3798	0.4313
Co 228.615	0.1603	1.2413	0.9656
Cr 267.716	5.3629	5.4515	5.2977
Cu 324.754	0.7953	0.0213	0.3821
Fe 271.441	286.560	294.273	285.120
K 766.491	109146x	109411x	108367x
Mg 279.078	238508	238706	239281
Mn 257.610	180.462	180.422	180.775
Mo 202.032	1.0032	1.1848	1.0613
Na 330.237	2253397x	2287913x	2272424x
Ni 231.604	5.3527	7.0513	6.4333
Pb 220.353	0.0575	-1.0902u	0.2092
Sb 206.834	-1.6915u	5.4229	-8.1153u
Se 196.026	14.9070	6.8480	17.9971
Sn 189.925	-1.5594u	0.9156	6.3495
Sr 216.596	1367.37	1365.62	1374.88
Ti 334.941	31.1996	31.0978	31.1977
Tl 190.794	-0.9649u	-2.2861u	-5.1592u
V 292.401	18.1169	17.9146	17.7692
Zn 206.200	1.5723	2.7548	2.6854

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8126b	ppb	0.6573	80.9	-186.270
Al 308.215	433.549b	ppb	1.6948	0.4	2789.88
As 188.980	1.6681b	ppb	3.5396	212.2	1.3039
B 249.678	1813.31b	ppb	11.1767	0.6	17312.9
Ba 389.178	33.2043b	ppb	0.0720	0.2	1454.42
Be 313.042	0.1746b	ppb	0.0118	6.8	-133.359
Ca 370.602	81329b	ppb	167.4	0.2	268180
Cd 226.502	0.2998b	ppb	0.1850	61.7	13.1079
Co 228.615	0.7891b	ppb	0.5617	71.2	22.1237
Cr 267.716	5.3707b	ppb	0.0772	1.4	275.234
Cu 324.754	0.3996b	ppb	0.3873	96.9	129.916
Fe 271.441	288.651b	ppb	4.9222	1.7	494.740
K 766.491	108975xb	ppb	542.326	0.5	5489563
Mg 279.078	238832b	ppb	401.218	0.2	497576
Mn 257.610	180.553b	ppb	0.1932	0.1	42959.3
Mo 202.032	1.0831b	ppb	0.0927	8.6	16.3548
Na 330.237	2271245xb	ppb	17288.1	0.8	117224
Ni 231.604	6.2791b	ppb	0.8597	13.7	18.7481
Pb 220.353	-0.2745b	ppb	0.7105	258.8	3.0772
Sb 206.834	-1.4613b	ppb	6.7720	463.4	0.1452
Se 196.026	13.2507b	ppb	5.7561	43.4	5.4233
Sn 189.925	1.9019b	ppb	4.0456	212.7	0.9565
Sr 216.596	1369.29b	ppb	4.9198	0.4	13355.4
Ti 334.941	31.1651b	ppb	0.0583	0.2	9005.76
Tl 190.794	-2.8034b	ppb	2.1445	76.5	-3.3405
V 292.401	17.9336b	ppb	0.1746	1.0	492.400
Zn 206.200	2.3375b	ppb	0.6636	28.4	5.9839

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.6568u	-1.8214u	-1.5484u
Al 308.215	35.6931	35.5008	38.5418
As 188.980	6.3112	-10.2540u	2.6750
B 249.678	1189.92	1195.14	1200.80
Ba 389.178	293.410	292.922	294.873
Be 313.042	0.1961u	0.1896u	0.1927u
Ca 370.602	168091	168966	169135
Cd 226.502	0.3814u	0.3482u	0.5788
Co 228.615	1.0645	0.6630	0.2590
Cr 267.716	0.3812	0.4997	0.2465
Cu 324.754	-0.0546u	0.2842	-0.6288u
Fe 271.441	186.988	180.631	189.268
K 766.491	152085x	151503x	151606x
Mg 279.078	443115	446001	445936
Mn 257.610	855.940	857.474	859.335
Mo 202.032	-0.5340u	-0.9126u	-0.8383u
Na 330.237	3682452x	3735286x	3719300x
Ni 231.604	5.7185	8.1765	6.2880
Pb 220.353	2.1411	-0.3175u	0.6291
Sb 206.834	-5.2685u	-1.7474u	4.1008
Se 196.026	23.1283	18.3549	16.3395
Sn 189.925	-8.1625u	5.2461	-0.1537
Sr 216.596	2633.59	2647.72	2659.64
Ti 334.941	-1.8759	-1.7548	-1.8494
Tl 190.794	4.6588	2.2121	-5.0460u
V 292.401	9.7593	9.4827	9.8216
Zn 206.200	2.3139	2.7854	2.8082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0089b	ppb	0.5775	28.7	-326.761
Al 308.215	36.5786b	ppb	1.7029	4.7	478.243
As 188.980	-0.4226b	ppb	8.7062	2060.2	0.7424
B 249.678	1195.29b	ppb	5.4421	0.5	11479.1
Ba 389.178	293.735b	ppb	1.0153	0.3	8459.86
Be 313.042	0.1928b	ppb	0.0033	1.7	-253.070
Ca 370.602	168731b	ppb	560.8	0.3	556426
Cd 226.502	0.4361b	ppb	0.1247	28.6	12.3389
Co 228.615	0.6622b	ppb	0.4027	60.8	19.8802
Cr 267.716	0.3758b	ppb	0.1267	33.7	83.5651
Cu 324.754	-0.1331b	ppb	0.4615	346.9	103.684
Fe 271.441	185.629b	ppb	4.4760	2.4	319.512
K 766.491	151731xb	ppb	310.471	0.2	7643336
Mg 279.078	445017b	ppb	1647.97	0.4	927109
Mn 257.610	857.583b	ppb	1.7000	0.2	200026
Mo 202.032	-0.7616b	ppb	0.2006	26.3	4.1322
Na 330.237	3712346xb	ppb	27094.6	0.7	191602
Ni 231.604	6.7277b	ppb	1.2866	19.1	19.9190
Pb 220.353	0.8176b	ppb	1.2401	151.7	5.0523
Sb 206.834	-0.9717b	ppb	4.7325	487.0	0.5785
Se 196.026	19.2742b	ppb	3.4865	18.1	8.5513
Sn 189.925	-1.0234b	ppb	6.7465	659.3	-0.7967
Sr 216.596	2646.98b	ppb	13.0386	0.5	25810.6
Ti 334.941	-1.8267b	ppb	0.0636	3.5	1040.79
Tl 190.794	0.6083b	ppb	5.0472	829.7	-1.6790
V 292.401	9.6879b	ppb	0.1804	1.9	251.210
Zn 206.200	2.6358b	ppb	0.2790	10.6	6.4639

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4643u	-1.5609u	-0.2042u
Al 308.215	26.8626	30.2782	30.9958
As 188.980	54.0207	46.7794	49.9351
B 249.678	945.718	951.661	956.168
Ba 389.178	-0.3435	-0.4082	-1.4447
Be 313.042	0.1722	0.1794	0.1733
Ca 370.602	211268	211164	212016
Cd 226.502	0.3127	0.0067u	0.3670
Co 228.615	0.9794	1.5010	0.4515
Cr 267.716	33.6319	33.6470	33.4803
Cu 324.754	-0.2702u	-0.0002u	0.0099
Fe 271.441	1947.86	1945.91	1945.15
K 766.491	178787x	177744x	178118x
Mg 279.078	295321	295577	295569
Mn 257.610	372.467	372.341	372.937
Mo 202.032	-0.4405u	0.0740	-0.2812u
Na 330.237	3032521x	3028321x	3034030x
Ni 231.604	17.5381	15.5032	16.4541
Pb 220.353	0.9344	5.6350	-0.1876u
Sb 206.834	4.8572	-1.5799u	-4.3739u
Se 196.026	19.5854	4.0924	9.4210
Sn 189.925	6.1766	5.0590	-1.2937
Sr 216.596	176.259	174.314	176.668
Ti 334.941	114.270	114.528	115.053
Tl 190.794	1.1117	0.7364	6.4254
V 292.401	59.2218	58.8617	58.8370
Zn 206.200	5.4209	5.6263	3.4117

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7431b	ppb	0.7200	96.9	-129.012
Al 308.215	29.3789b	ppb	2.2085	7.5	435.470
As 188.980	50.2451b	ppb	3.6306	7.2	32.4395
B 249.678	951.182b	ppb	5.2413	0.6	9173.16
Ba 389.178	-0.7321b	ppb	0.6179	84.4	775.714
Be 313.042	0.1750b	ppb	0.0039	2.2	-186.805
Ca 370.602	211483b	ppb	465.0	0.2	697271
Cd 226.502	0.2288b	ppb	0.1943	84.9	10.8217
Co 228.615	0.9773b	ppb	0.5248	53.7	26.7652
Cr 267.716	33.5864b	ppb	0.0922	0.3	1520.50
Cu 324.754	-0.0868b	ppb	0.1589	182.9	105.993
Fe 271.441	1946.31b	ppb	1.3953	0.1	3314.18
K 766.491	178216xb	ppb	528.203	0.3	8977445
Mg 279.078	295489b	ppb	145.342	0.0	615607
Mn 257.610	372.582b	ppb	0.3139	0.1	87501.3
Mo 202.032	-0.2159b	ppb	0.2634	122.0	7.5881
Na 330.237	3031624xb	ppb	2958.62	0.1	156467
Ni 231.604	16.4985b	ppb	1.0182	6.2	45.5090
Pb 220.353	2.1272b	ppb	3.0892	145.2	7.0469
Sb 206.834	-0.3655b	ppb	4.7338	1295.1	1.4844
Se 196.026	11.0329b	ppb	7.8713	71.3	4.3897
Sn 189.925	3.3140b	ppb	4.0293	121.6	2.3623
Sr 216.596	175.747b	ppb	1.2577	0.7	1740.31
Ti 334.941	114.617b	ppb	0.3986	0.3	31281.8
Tl 190.794	2.7578b	ppb	3.1818	115.4	0.2424
V 292.401	58.9735b	ppb	0.2154	0.4	1640.92
Zn 206.200	4.8197b	ppb	1.2236	25.4	97766

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7078u	-0.8867u	-0.4518u
Al 308.215	9.3941	10.6214	8.7949
As 188.980	0.4595	3.1662	-0.1013
B 249.678	1515.22	1530.08	1525.01
Ba 389.178	14.6602	12.8161	14.1822
Be 313.042	0.2246	0.2228	0.2093
Ca 370.602	544242	547270	541930
Cd 226.502	0.5478	0.0621u	0.1840u
Co 228.615	0.5623	0.1903	0.5541
Cr 267.716	0.3646	0.5842	0.4515
Cu 324.754	-1.7022u	-1.8342u	-1.8154u
Fe 271.441	926.171	936.527	929.852
K 766.491	140941x	141877x	135472x
Mg 279.078	1103291x	1108132x	1102765x
Mn 257.610	1168.14	1175.39	1167.71
Mo 202.032	-0.2029u	-1.3136u	0.1471
Na 330.237	4318355x	4332248x	4301732x
Ni 231.604	12.9787	11.3042	12.5147
Pb 220.353	-0.2065u	0.6744	5.4350
Sb 206.834	1.9503	-2.9621u	6.9217
Se 196.026	13.5739	-5.7926u	10.9785
Sn 189.925	-2.1609u	-1.2726	0.2387
Sr 216.596	4429.99	4471.08	4442.84
Ti 334.941	-14.0065	-13.9301	-13.9481
Tl 190.794	4.7420	2.1177	5.5721
V 292.401	1.4973	1.6925	1.5988
Zn 206.200	6.4335	2.4601	3.7794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6821b	ppb	0.2185	32.0	-321.608
Al 308.215	9.6035b	ppb	0.9311	9.7	321.306
As 188.980	1.1748b	ppb	1.7473	148.7	4.8766
B 249.678	1523.44b	ppb	7.5515	0.5	14576.0
Ba 389.178	13.8861b	ppb	0.9570	6.9	3381.30
Be 313.042	0.2189b	ppb	0.0084	3.8	-166.410
Ca 370.602	544481b	ppb	2678	0.5	1795481
Cd 226.502	0.2646b	ppb	0.2527	95.5	12.6171
Co 228.615	0.4356b	ppb	0.2125	48.8	17.1320
Cr 267.716	0.4668b	ppb	0.1106	23.7	99.0323
Cu 324.754	-1.7839b	ppb	0.0714	4.0	22.6400
Fe 271.441	930.850b	ppb	5.2497	0.6	1586.71
K 766.491	139430xb	ppb	3459.60	2.5	7023678
Mg 279.078	1104729xb	ppb	2958.23	0.3	2301471
Mn 257.610	1170.42b	ppb	4.3140	0.4	275738
Mo 202.032	-0.4564b	ppb	0.7626	167.1	6.1360
Na 330.237	4317445xb	ppb	15278.1	0.4	222833
Ni 231.604	12.2659b	ppb	0.8645	7.0	34.4190
Pb 220.353	1.9676b	ppb	3.0349	154.2	7.0235
Sb 206.834	1.9700b	ppb	4.9419	250.9	3.3424
Se 196.026	6.2533b	ppb	10.5125	168.1	2.2337
Sn 189.925	-1.0649b	ppb	1.2132	113.9	-0.4780
Sr 216.596	4447.97b	ppb	21.0200	0.5	43390.3
Ti 334.941	-13.9616b	ppb	0.0399	0.3	586.192
Tl 190.794	4.1440b	ppb	1.8032	43.5	0.3906
V 292.401	1.5962b	ppb	0.0976	6.1	26.6987
Zn 206.200	4.2243b	ppb	2.0237	47.9	8.9472

680-88367-a-8-b (Samp) 3/27/2013, 10:10:23 AM Rack 4, Tube 36
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9178u	-0.1333u	-0.1766u
Al 308.215	-3.1147u	-6.6789u	-5.0439u
As 188.980	1.0152	-9.4546u	-1.0687u
B 249.678	17.9434	15.7783	13.5591
Ba 389.178	-0.6800u	0.0115	-0.2100u
Be 313.042	-0.0186u	-0.0065u	-0.0024u
Ca 370.602	66.15	67.68	71.10
Cd 226.502	-0.1983u	-0.0694u	0.1598
Co 228.615	0.0439	-0.0967u	-0.3107u
Cr 267.716	-0.0459u	0.0126	-0.0414u
Cu 324.754	0.1779	0.5936	-0.0841u
Fe 271.441	-2.4746u	-9.2607u	2.6802
K 766.491	16.2878	16.0777	16.3049
Mg 279.078	14.6457	18.8700	20.7146
Mn 257.610	-0.0104u	-0.0641u	-0.0082u
Mo 202.032	-0.4440u	0.2980	0.1532
Na 330.237	132.528	140.456	557.091
Ni 231.604	0.1346	-1.0840u	-1.1622u
Pb 220.353	1.5788	3.2945	0.8869
Sb 206.834	-1.8131u	1.6639	-1.0783u
Se 196.026	17.2587	-7.7834u	0.6033
Sn 189.925	-1.5798u	-0.3624u	2.5274
Sr 216.596	0.3317	-0.1782u	0.0913
Ti 334.941	-0.0002u	0.0336	-0.0152u
Tl 190.794	7.2975	6.6754	3.1040
V 292.401	-0.1340u	-0.2242u	0.0039
Zn 206.200	0.4223	-0.9716u	0.2883

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4092	ppb	0.4410	107.8	-95.0063
Al 308.215	-4.9458	ppb	1.7842	36.1	236.603
As 188.980	-3.1694	ppb	5.5420	174.9	-2.3700
B 249.678	15.7602	ppb	2.1922	13.9	344.527
Ba 389.178	-0.2929	ppb	0.3531	120.6	-37.2105
Be 313.042	-0.0092	ppb	0.0084	91.8	-228.595
Ca 370.602	68.31	ppb	2.531	3.7	219.3
Cd 226.502	-0.0360	ppb	0.1814	504.5	9.7393
Co 228.615	-0.1212	ppb	0.1786	147.3	10.4541
Cr 267.716	-0.0249	ppb	0.0325	130.8	1.5736
Cu 324.754	0.2291	ppb	0.3417	149.1	121.560
Fe 271.441	-3.0184	ppb	5.9890	198.4	-1.5628
K 766.491	16.2235	ppb	0.1265	0.8	1023.04
Mg 279.078	18.0768	ppb	3.1113	17.2	62.9972
Mn 257.610	-0.0276	ppb	0.0316	114.7	52.4694
Mo 202.032	0.0024	ppb	0.3933	16688.7	9.2268
Na 330.237	276.692	ppb	242.866	87.8	14.2775
Ni 231.604	-0.7039	ppb	0.7272	103.3	0.4790
Pb 220.353	1.9201	ppb	1.2396	64.6	6.6911
Sb 206.834	-0.4092	ppb	1.8325	447.9	1.0838
Se 196.026	3.3595	ppb	12.7466	379.4	0.5124
Sn 189.925	0.1951	ppb	2.1096	1081.5	-1.1692
Sr 216.596	0.0816	ppb	0.2551	312.5	9.2170
Ti 334.941	0.0061	ppb	0.0250	412.1	-90.2554
Tl 190.794	5.6923	ppb	2.2630	39.8	2.6869
V 292.401	-0.1181	ppb	0.1149	97.3	0.6026
Zn 206.200	-0.0870	ppb	0.7690	883.8	2.2111

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Cont Calib Verif (CCV) 3/27/2013, 10:15:51 AM Rack 4, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	497.545	500.275	509.699
Al 308.215	4944.56	4963.45	4987.60
As 188.980	463.971	463.975	462.091
B 249.678	2466.19	2497.59	2519.72
Ba 389.178	4923.53	4949.49	4971.02
Be 313.042	486.867	489.410	490.591
Ca 370.602	4861	4903	4918
Cd 226.502	474.252	476.621	477.364
Co 228.615	491.228	494.088	494.230
Cr 267.716	4673.85	4708.81	4721.55
Cu 324.754	4773.96	4816.22	4782.47
Fe 271.441	4931.20	4943.48	4961.56
K 766.491	10102.2	9942.52	10197.3
Mg 279.078	4840.46	4858.89	4871.51
Mn 257.610	4909.15	4938.61	4952.79
Mo 202.032	475.425	478.588	482.923
Na 330.237	7360.25	7583.07	7212.83
Ni 231.604	2431.69	2442.66	2449.46
Pb 220.353	474.281	481.832	473.084
Sb 206.834	911.620	930.018	921.855
Se 196.026	4797.94	4801.60	4803.97
Sn 189.925	4938.43	4969.15	4988.30
Sr 216.596	2358.48	2382.72	2387.44
Ti 334.941	477.674	482.587	483.648
Tl 190.794	4788.34	4838.76	4829.29
V 292.401	4886.97	4908.68	4915.68
Zn 206.200	2403.51	2421.87	2427.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.506	ppb	6.3767	1.3	35235.3	100.50123
Al 308.215	4965.20	ppb	21.5733	0.4	29154.2	99.30405
As 188.980	463.345	ppb	1.0868	0.2	286.190	92.66910
B 249.678	2494.50	ppb	26.8966	1.1	23738.6	99.78009
Ba 389.178	4948.01	ppb	23.7776	0.5	122179	98.96030
Be 313.042	488.956	ppb	1.9032	0.4	959331	97.79121
Ca 370.602	4894	ppb	29.40	0.6	15999	97.88216
Cd 226.502	476.079	ppb	1.6250	0.3	17920.2	95.21577
Co 228.615	493.182	ppb	1.6935	0.3	5815.07	98.63641
Cr 267.716	4701.41	ppb	24.6993	0.5	205224	94.02812
Cu 324.754	4790.89	ppb	22.3498	0.5	236147	95.81770
Fe 271.441	4945.42	ppb	15.2730	0.3	8534.74	98.90834
K 766.491	10080.7	ppb	128.755	1.3	507997	100.80671
Mg 279.078	4856.95	ppb	15.6160	0.3	10065.4	97.13901
Mn 257.610	4933.51	ppb	22.2628	0.5	1136357	98.67030
Mo 202.032	478.979	ppb	3.7638	0.8	3179.11	95.79573
Na 330.237	7385.38	ppb	186.396	2.5	357.698	98.47179
Ni 231.604	2441.27	ppb	8.9630	0.4	6387.14	97.65086
Pb 220.353	476.399	ppb	4.7433	1.0	790.190	95.27982
Sb 206.834	921.165	ppb	9.2185	1.0	903.081	92.11647
Se 196.026	4801.17	ppb	3.0392	0.1	2360.86	96.02347
Sn 189.925	4965.30	ppb	25.1573	0.5	3858.17	99.30592
Sr 216.596	2376.21	ppb	15.5346	0.7	23106.5	95.04847
Ti 334.941	481.303	ppb	3.1871	0.7	127349	96.26057
Tl 190.794	4818.80	ppb	26.7974	0.6	3305.56	96.37597
V 292.401	4903.78	ppb	14.9687	0.3	137539	98.07558
Zn 206.200	2417.46	ppb	12.3548	0.5	3768.51	96.69859

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Cont Calib Blank (CCB) 3/27/2013, 10:21:20 AM Rack 4, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8513u	-0.3677u	-0.4806u
Al 308.215	-5.7666u	-6.3697u	-3.5842u
As 188.980	-0.6466u	-0.8360u	-4.2899u
B 249.678	52.9713	47.9994	43.2530
Ba 389.178	-0.0383u	0.4607	0.2146
Be 313.042	-0.0026u	-0.0051u	-0.0090u
Ca 370.602	4.663	0.3666	3.265
Cd 226.502	-0.0168u	-0.1118u	-0.2456u
Co 228.615	-0.4545u	0.4324	0.4378
Cr 267.716	0.2165	0.0249	-0.0455u
Cu 324.754	0.1455	0.0525	-0.3017u
Fe 271.441	1.3063	3.7555	-7.7402u
K 766.491	1.7015	0.9669	1.8149
Mg 279.078	2.1553	3.9729	1.1407
Mn 257.610	0.0017	-0.0600u	-0.0149u
Mo 202.032	0.4374	0.7589	-0.1970u
Na 330.237	-146.021u	2.4998	71.5900
Ni 231.604	-1.3223u	-0.2521u	-0.4416u
Pb 220.353	-0.2230u	-3.5571u	0.7326
Sb 206.834	4.9522	2.1544	3.2968
Se 196.026	7.6605	3.7602	10.6617
Sn 189.925	3.4605	0.2244	3.9467
Sr 216.596	0.3966	0.3867	0.2018
Ti 334.941	0.1746	0.1832	0.0998
Tl 190.794	2.4319	-1.8532u	2.3277
V 292.401	-0.0553u	0.3645	0.3732
Zn 206.200	-0.4644u	0.4152	-0.4401u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5665	ppb	0.2530	44.7	-106.069	-0.56654
Al 308.215	-5.2401	ppb	1.4655	28.0	234.922	-5.24015
As 188.980	-1.9242	ppb	2.0510	106.6	-1.6000	-1.92421
B 249.678	48.0746	ppb	4.8596	10.1	649.570	48.07458
Ba 389.178	0.2123	ppb	0.2495	117.5	-24.7809	0.21234
Be 313.042	-0.0056	ppb	0.0032	58.1	-221.577	-0.00556
Ca 370.602	2.765	ppb	2.191	79.3	3.334	2.76468
Cd 226.502	-0.1247	ppb	0.1149	92.2	6.3984	-0.12472
Co 228.615	0.1386	ppb	0.5136	370.6	13.4982	0.13859
Cr 267.716	0.0653	ppb	0.1356	207.5	5.5032	0.06532
Cu 324.754	-0.0346	ppb	0.2360	682.3	108.569	-0.03458
Fe 271.441	-0.8928	ppb	6.0551	678.2	2.1257	-0.89281
K 766.491	1.4945	ppb	0.4604	30.8	281.094	1.49445
Mg 279.078	2.4230	ppb	1.4349	59.2	30.3854	2.42296
Mn 257.610	-0.0244	ppb	0.0319	130.9	53.1091	-0.02440
Mo 202.032	0.3331	ppb	0.4864	146.0	11.4211	0.33310
Na 330.237	-23.9771	ppb	111.195	463.8	-1.2439	-23.97708
Ni 231.604	-0.6720	ppb	0.5711	85.0	0.5623	-0.67201
Pb 220.353	-1.0159	ppb	2.2521	221.7	1.8418	-1.01587
Sb 206.834	3.4678	ppb	1.4067	40.6	4.6964	3.46780
Se 196.026	7.3608	ppb	3.4605	47.0	2.4799	7.36081
Sn 189.925	2.5438	ppb	2.0233	79.5	0.6564	2.54385
Sr 216.596	0.3283	ppb	0.1097	33.4	11.6061	0.32835
Ti 334.941	0.1525	ppb	0.0458	30.1	-51.5224	0.15253
Tl 190.794	0.9688	ppb	2.4445	252.3	-0.5575	0.96880
V 292.401	0.2275	ppb	0.2450	107.7	10.2720	0.22747
Zn 206.200	-0.1631	ppb	0.5910	367.2	2.0923	-0.16308

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680-88408-a-1-b (Samp) 3/27/2013, 10:26:49 AM Rack 4, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1465u	-0.8288u	-1.1871u
Al 308.215	696.384	695.169	692.606
As 188.980	37.7210	45.6461	40.6057
B 249.678	908.051	911.137	905.061
Ba 389.178	206.456	206.890	204.792
Be 313.042	1.3650	1.3577	1.3566
Ca 370.602	63090	62914	62748
Cd 226.502	0.4065	0.3236u	0.2673u
Co 228.615	1.6717	1.5252	0.8815
Cr 267.716	90.3591	90.1547	90.2075
Cu 324.754	2.2681	2.4015	2.1593
Fe 271.441	493.802	472.171	477.792
K 766.491	102827x	102515x	102571x
Mg 279.078	134884	134590	133893
Mn 257.610	227.882	227.165	226.708
Mo 202.032	3.5530	1.1116	3.8405
Na 330.237	2601816x	2650044x	2646345x
Ni 231.604	24.4444	25.7008	24.5872
Pb 220.353	-4.6169u	1.4458	0.0130u
Sb 206.834	5.0462	-7.3324u	-0.0365
Se 196.026	8.1253	18.7162	20.9493
Sn 189.925	1.2991	1.6997	7.1383
Sr 216.596	941.788	939.368	937.235
Ti 334.941	692.547	691.991	689.740
Tl 190.794	2.0967	2.7683	-6.0562u
V 292.401	372.313	370.915	370.425
Zn 206.200	6.4362	3.7001	5.5218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7208b	ppb	0.5286	73.3	-157.016
Al 308.215	694.720b	ppb	1.9287	0.3	4304.54
As 188.980	41.3243b	ppb	4.0111	9.7	25.6866
B 249.678	908.083b	ppb	3.0381	0.3	8767.56
Ba 389.178	206.046b	ppb	1.1074	0.5	5432.43
Be 313.042	1.3598b	ppb	0.0046	0.3	2132.92
Ca 370.602	62917b	ppb	170.9	0.3	207582
Cd 226.502	0.3325b	ppb	0.0700	21.1	11.3892
Co 228.615	1.3595b	ppb	0.4203	30.9	47.0208
Cr 267.716	90.2404b	ppb	0.1061	0.1	3984.64
Cu 324.754	2.2763b	ppb	0.1213	5.3	219.010
Fe 271.441	481.255b	ppb	11.2236	2.3	825.399
K 766.491	102638xb	ppb	166.440	0.2	5170344
Mg 279.078	134455b	ppb	508.909	0.4	280130
Mn 257.610	227.251b	ppb	0.5917	0.3	53131.6
Mo 202.032	2.8350b	ppb	1.4995	52.9	27.3624
Na 330.237	2632735xb	ppb	26840.1	1.0	135876
Ni 231.604	24.9108b	ppb	0.6879	2.8	67.4800
Pb 220.353	-1.0527b	ppb	3.1687	301.0	1.4284
Sb 206.834	-0.7742b	ppb	6.2222	803.7	1.5694
Se 196.026	15.9302b	ppb	6.8509	43.0	6.7527
Sn 189.925	3.3790b	ppb	3.2618	96.5	2.2201
Sr 216.596	939.464b	ppb	2.2784	0.2	9166.07
Ti 334.941	691.426b	ppb	1.4866	0.2	183331
Tl 190.794	-0.3971b	ppb	4.9125	1237.2	-1.6164
V 292.401	371.218b	ppb	0.9796	0.3	10429.9
Zn 206.200	5.2194b	ppb	1.3929	26.7	102254

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680-88408-a-2-b (Samp) 3/27/2013, 10:32:17 AM Rack 4, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3099u	0.0547	-0.7667u
Al 308.215	-3.3953u	-4.2207u	-2.4355u
As 188.980	1.8090	0.2941	3.9474
B 249.678	11.0714	10.1995	8.2264
Ba 389.178	0.1631	0.3540	-0.1490u
Be 313.042	-0.0272u	-0.0065u	-0.0187u
Ca 370.602	38.64	33.22	37.82
Cd 226.502	0.1635	-0.0248u	0.1976
Co 228.615	0.3750	0.3457	0.4023
Cr 267.716	-0.3295u	0.0909	-0.2546u
Cu 324.754	1.1361	1.4614	0.0749
Fe 271.441	-7.4336u	-2.5822u	-3.2096u
K 766.491	2.1208	3.7530	3.6649
Mg 279.078	-3.5133u	1.0662	1.4833
Mn 257.610	-0.0669u	-0.0920u	-0.0276u
Mo 202.032	0.1210	-0.1205u	0.4064
Na 330.237	456.609	116.805	44.6365
Ni 231.604	0.4108	-1.4418u	2.1785
Pb 220.353	0.4476	-2.1597u	-3.1387u
Sb 206.834	-1.5472u	-5.7776u	-0.4479u
Se 196.026	-2.8320u	3.7599	-0.8706u
Sn 189.925	-0.8916u	3.0017	3.3451
Sr 216.596	-0.3109u	-0.1247u	0.3229
Ti 334.941	0.2822	0.1600	0.1977
Tl 190.794	3.9123	-2.6372u	-4.5437u
V 292.401	-0.0253u	-0.5834u	-0.5642u
Zn 206.200	0.2031	0.7477	0.0565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3406	ppb	0.4116	120.8	-90.1717
Al 308.215	-3.3505	ppb	0.8934	26.7	245.945
As 188.980	2.0168	ppb	1.8355	91.0	0.8391
B 249.678	9.8324	ppb	1.4576	14.8	288.572
Ba 389.178	0.1227	ppb	0.2539	207.0	-27.0039
Be 313.042	-0.0175	ppb	0.0104	59.5	-244.970
Ca 370.602	36.56	ppb	2.923	8.0	114.7
Cd 226.502	0.1121	ppb	0.1198	106.8	15.3010
Co 228.615	0.3743	ppb	0.0284	7.6	16.2682
Cr 267.716	-0.1644	ppb	0.2242	136.4	-4.5180
Cu 324.754	0.8908	ppb	0.7251	81.4	154.175
Fe 271.441	-4.4085	ppb	2.6385	59.9	-3.8883
K 766.491	3.1796	ppb	0.9180	28.9	365.978
Mg 279.078	-0.3213	ppb	2.7723	862.9	24.6685
Mn 257.610	-0.0622	ppb	0.0325	52.3	44.3952
Mo 202.032	0.1356	ppb	0.2638	194.5	10.1118
Na 330.237	206.017	ppb	219.998	106.8	10.6257
Ni 231.604	0.3825	ppb	1.8103	473.3	3.3201
Pb 220.353	-1.6169	ppb	1.8537	114.6	0.8491
Sb 206.834	-2.5909	ppb	2.8140	108.6	-0.9571
Se 196.026	0.0191	ppb	3.3849	17717.6	-1.1301
Sn 189.925	1.8184	ppb	2.3532	129.4	0.0926
Sr 216.596	-0.0376	ppb	0.3258	867.3	8.0251
Ti 334.941	0.2133	ppb	0.0626	29.3	-35.4601
Tl 190.794	-1.0895	ppb	4.4354	407.1	-1.9717
V 292.401	-0.3909	ppb	0.3168	81.0	-7.1295
Zn 206.200	0.3358	ppb	0.3642	108.5	2.8727

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X (Samp)	3/27/2013, 10:37:46 AM	Rack 4, Tube 41	
Weight: 1	Volume: 1	Dilution: 1	
Label	Replicates Concentration		
Ag 328.068	0.2488	0.0331	-0.0407u
Al 308.215	-3.8364u	-2.5675u	-1.4513u
As 188.980	3.3544	-2.7426u	-0.7805u
B 249.678	-3.7922u	-4.0126u	-6.1333u
Ba 389.178	-0.3048u	0.8333	0.4037
Be 313.042	-0.0128u	-0.0159u	-0.0143u
Ca 370.602	2.304	0.4831	-4.319u
Cd 226.502	0.0510	0.1688	-0.0444u
Co 228.615	0.5980	0.6604	0.0460
Cr 267.716	-0.1916u	-0.0709u	-0.2778u
Cu 324.754	-0.7814u	0.1954	-0.4184u
Fe 271.441	-3.9746u	5.2308	-1.4244u
K 766.491	1.2260	1.2781	0.5649
Mg 279.078	1.9544	1.4557	2.4032
Mn 257.610	-0.0390u	0.0065	-0.0029u
Mo 202.032	0.0815	-0.6836u	1.0518
Na 330.237	172.625	-132.784u	13.2588
Ni 231.604	1.8265	-0.9216u	-0.1955u
Pb 220.353	-1.2967u	2.6225	-2.3564u
Sb 206.834	-2.0068u	-2.8719u	3.3708
Se 196.026	3.9539	2.2815	1.9646
Sn 189.925	4.8544	2.2406	0.4912
Sr 216.596	0.7826	-0.5240u	0.2536
Ti 334.941	0.0614	0.0693	0.0003
Tl 190.794	4.4225	-3.8759u	-0.8327u
V 292.401	-0.1599u	-0.4257u	-0.3869u
Zn 206.200	-0.7835u	-1.6074u	0.3062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0804	ppb	0.1505	187.1	-60.5427
Al 308.215	-2.6184	ppb	1.1934	45.6	250.233
As 188.980	-0.0562	ppb	3.1123	5537.0	-0.4442
B 249.678	-4.6460	ppb	1.2927	27.8	151.892
Ba 389.178	0.3107	ppb	0.5747	185.0	-22.3437
Be 313.042	-0.0144	ppb	0.0016	10.9	-238.886
Ca 370.602	-0.5104	ppb	3.421	670.3	-8.132
Cd 226.502	0.0585	ppb	0.1068	182.6	13.3041
Co 228.615	0.4348	ppb	0.3382	77.8	16.9679
Cr 267.716	-0.1801	ppb	0.1039	57.7	-5.2047
Cu 324.754	-0.3348	ppb	0.4938	147.5	93.7886
Fe 271.441	-0.0561	ppb	4.7528	8472.2	3.5231
K 766.491	1.0230	ppb	0.3976	38.9	257.345
Mg 279.078	1.9378	ppb	0.4740	24.5	29.3752
Mn 257.610	-0.0118	ppb	0.0240	203.1	56.0201
Mo 202.032	0.1499	ppb	0.8697	580.1	10.2061
Na 330.237	17.7000	ppb	152.753	863.0	0.9074
Ni 231.604	0.2365	ppb	1.4241	602.1	2.9385
Pb 220.353	-0.3435	ppb	2.6227	763.4	2.9519
Sb 206.834	-0.5026	ppb	3.3823	672.9	0.9882
Se 196.026	2.7333	ppb	1.0689	39.1	0.2046
Sn 189.925	2.5287	ppb	2.1958	86.8	0.6446
Sr 216.596	0.1707	ppb	0.6572	385.0	10.0512
Ti 334.941	0.0436	ppb	0.0378	86.5	-80.3592
Tl 190.794	-0.0954	ppb	4.1981	4401.8	-1.2891
V 292.401	-0.3241	ppb	0.1436	44.3	-5.2886
Zn 206.200	-0.6949	ppb	0.9598	138.1	893.2608

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X (Samp) 3/27/2013, 10:43:15 AM **Rack 4, Tube 42****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.2196u	-0.1053u	-0.9911u
Al 308.215	-3.0128u	-7.5101u	-4.6018u
As 188.980	-2.0204u	2.5665	-6.3983u
B 249.678	-9.3478u	-9.9285u	-9.5976u
Ba 389.178	0.2604	0.6691	0.9626
Be 313.042	-0.0088u	-0.0058u	-0.0213u
Ca 370.602	-0.4946u	2.709	-3.399u
Cd 226.502	0.0343	-0.2531u	-0.0581u
Co 228.615	-0.2390u	0.2810	-0.5267u
Cr 267.716	0.0825	-0.2504u	-0.0241u
Cu 324.754	-1.0305u	-0.4049u	-0.2107u
Fe 271.441	-6.4298u	-3.2890u	0.4168
K 766.491	0.8216	1.1258	0.6366
Mg 279.078	-2.8021u	-0.0633u	1.7548
Mn 257.610	-0.1142u	-0.0740u	-0.0891u
Mo 202.032	-0.2293u	-0.6757u	-0.4880u
Na 330.237	191.984	-40.2410u	3.2570
Ni 231.604	0.9292	0.5178	-0.7415u
Pb 220.353	2.2364	-0.7920u	-0.0460u
Sb 206.834	-0.0120u	2.1977	-8.0011u
Se 196.026	6.8357	0.8137	-2.6076u
Sn 189.925	0.2193	-1.1462u	0.8433
Sr 216.596	-0.3084u	-0.2946u	-0.1570u
Ti 334.941	0.0016	0.0678	0.0350
Tl 190.794	10.3593	-4.2709u	2.6309
V 292.401	0.0390	-0.4228u	-0.6855u
Zn 206.200	-0.9538u	-0.4053u	-1.3745u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7720	ppb	0.5886	76.2	-120.529
Al 308.215	-5.0416	ppb	2.2807	45.2	236.052
As 188.980	-1.9507	ppb	4.4828	229.8	-1.6164
B 249.678	-9.6246	ppb	0.2913	3.0	104.902
Ba 389.178	0.6307	ppb	0.3527	55.9	-14.4605
Be 313.042	-0.0120	ppb	0.0082	68.7	-234.132
Ca 370.602	-0.3949	ppb	3.055	773.5	-7.162
Cd 226.502	-0.0923	ppb	0.1467	159.0	7.6191
Co 228.615	-0.1616	ppb	0.4094	253.4	9.9776
Cr 267.716	-0.0640	ppb	0.1700	265.7	-0.1362
Cu 324.754	-0.5487	ppb	0.4284	78.1	83.2347
Fe 271.441	-3.1007	ppb	3.4272	110.5	-1.6604
K 766.491	0.8613	ppb	0.2470	28.7	249.202
Mg 279.078	-0.3702	ppb	2.2939	619.6	24.5677
Mn 257.610	-0.0924	ppb	0.0203	22.0	37.4228
Mo 202.032	-0.4643	ppb	0.2241	48.3	6.1303
Na 330.237	51.6666	ppb	123.449	238.9	2.6668
Ni 231.604	0.2352	ppb	0.8705	370.1	2.9349
Pb 220.353	0.4661	ppb	1.5778	338.5	4.2897
Sb 206.834	-1.9385	ppb	5.3654	276.8	-0.3449
Se 196.026	1.6806	ppb	4.7809	284.5	-0.3131
Sn 189.925	-0.0279	ppb	1.0175	3646.8	-1.3426
Sr 216.596	-0.2533	ppb	0.0837	33.1	5.9357
Ti 334.941	0.0348	ppb	0.0331	95.1	-82.7085
Tl 190.794	2.9064	ppb	7.3190	251.8	0.7734
V 292.401	-0.3564	ppb	0.3668	102.9	-6.0878
Zn 206.200	-0.9112	ppb	0.4860	53.3	0.9228

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CRI (Samp) 3/27/2013, 10:48:43 AM **Rack 4, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.1991	10.2249	11.5763
Al 308.215	207.542	206.604	207.191
As 188.980	15.5524	20.4315	22.6204
B 249.678	91.0879	92.0728	93.7681
Ba 389.178	10.6856	11.6795	10.5300
Be 313.042	4.2487	4.2080	4.2251
Ca 370.602	529.1	531.3	528.6
Cd 226.502	4.9404	5.0442	5.2017
Co 228.615	10.7898	10.8473	10.7455
Cr 267.716	9.6760	10.0856	10.0449
Cu 324.754	21.6139	20.7748	21.3660
Fe 271.441	63.5086	56.1126	49.2318
K 766.491	1054.10	1044.02	1050.50
Mg 279.078	532.895	521.886	523.658
Mn 257.610	11.0645	10.9716	11.0346
Mo 202.032	10.0883	9.4977	9.8581
Na 330.237	1024.13	1131.97	1150.39
Ni 231.604	42.5304	41.1502	42.4171
Pb 220.353	7.2968	11.2614	8.1961
Sb 206.834	22.4870	20.0531	22.2141
Se 196.026	23.2238	17.6136	16.7461
Sn 189.925	53.4294	51.2990	49.3043
Sr 216.596	10.4674	10.3861	9.7873
Ti 334.941	10.1438	10.0560	10.0421
Tl 190.794	28.7344	25.8802	24.4393
V 292.401	9.9800	10.1057	10.5641
Zn 206.200	24.4302	23.5752	24.8363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6668	ppb	0.7878	7.4	683.950
Al 308.215	207.112	ppb	0.4738	0.2	1472.56
As 188.980	19.5348	ppb	3.6183	18.5	11.6808
B 249.678	92.3096	ppb	1.3557	1.5	1067.08
Ba 389.178	10.9650	ppb	0.6236	5.7	242.341
Be 313.042	4.2273	ppb	0.0205	0.5	8085.47
Ca 370.602	529.7	ppb	1.445	0.3	1738
Cd 226.502	5.0621	ppb	0.1315	2.6	201.536
Co 228.615	10.7942	ppb	0.0511	0.5	138.636
Cr 267.716	9.9355	ppb	0.2256	2.3	436.362
Cu 324.754	21.2516	ppb	0.4311	2.0	1157.62
Fe 271.441	56.2843	ppb	7.1400	12.7	101.136
K 766.491	1049.54	ppb	5.1054	0.5	53074.0
Mg 279.078	526.146	ppb	5.9112	1.1	1121.22
Mn 257.610	11.0236	ppb	0.0474	0.4	2600.69
Mo 202.032	9.8147	ppb	0.2977	3.0	74.3223
Na 330.237	1102.16	ppb	68.2018	6.2	56.5990
Ni 231.604	42.0326	ppb	0.7663	1.8	112.250
Pb 220.353	8.9181	ppb	2.0786	23.3	18.2245
Sb 206.834	21.5847	ppb	1.3334	6.2	21.6101
Se 196.026	19.1945	ppb	3.5164	18.3	8.3016
Sn 189.925	51.3442	ppb	2.0629	4.0	38.5891
Sr 216.596	10.2136	ppb	0.3714	3.6	107.013
Ti 334.941	10.0806	ppb	0.0551	0.5	2579.00
Tl 190.794	26.3513	ppb	2.1859	8.3	16.8697
V 292.401	10.2166	ppb	0.3075	3.0	288.840
Zn 206.200	24.2806	ppb	0.6437	2.7	40.2903

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Cont Calib Verif (CCV) 3/27/2013, 10:54:12 AM Rack 4, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.849	498.088	508.596
Al 308.215	4950.19	4964.99	4987.61
As 188.980	455.311	453.983	463.061
B 249.678	2455.19	2482.38	2509.74
Ba 389.178	4933.69	4947.94	4964.60
Be 313.042	487.755	488.049	491.271
Ca 370.602	4866	4891	4920
Cd 226.502	474.154	475.700	477.084
Co 228.615	489.937	493.145	493.074
Cr 267.716	4693.81	4704.87	4718.10
Cu 324.754	4813.50	4913.42	4871.27
Fe 271.441	4928.71	4938.79	4957.92
K 766.491	10091.6	10163.7	10209.1
Mg 279.078	4846.33	4855.45	4885.12
Mn 257.610	4915.83	4938.59	4947.33
Mo 202.032	475.733	477.826	479.973
Na 330.237	7378.74	7288.92	7542.83
Ni 231.604	2434.31	2451.36	2454.25
Pb 220.353	476.788	473.953	478.094
Sb 206.834	924.359	934.310	943.361
Se 196.026	4791.50	4816.21	4849.34
Sn 189.925	4961.52	4940.06	4962.86
Sr 216.596	2370.19	2375.57	2384.32
Ti 334.941	480.613	481.816	484.036
Tl 190.794	4781.33	4828.96	4862.42
V 292.401	4887.73	4902.39	4917.49
Zn 206.200	2407.78	2415.12	2426.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	503.178	ppb	5.2617	1.0	35282.7	100.63555
Al 308.215	4967.60	ppb	18.8434	0.4	29168.0	99.35196
As 188.980	457.452	ppb	4.9033	1.1	282.543	91.49035
B 249.678	2482.44	ppb	27.2718	1.1	23624.7	99.29751
Ba 389.178	4948.74	ppb	15.4738	0.3	122197	98.97486
Be 313.042	489.025	ppb	1.9506	0.4	959466	97.80499
Ca 370.602	4892	ppb	26.66	0.5	15993	97.84477
Cd 226.502	475.646	ppb	1.4661	0.3	17903.9	95.12923
Co 228.615	492.052	ppb	1.8322	0.4	5801.84	98.41039
Cr 267.716	4705.59	ppb	12.1589	0.3	205406	94.11186
Cu 324.754	4866.06	ppb	50.1644	1.0	239851	97.32128
Fe 271.441	4941.81	ppb	14.8383	0.3	8528.41	98.83615
K 766.491	10154.8	ppb	59.2548	0.6	511732	101.54824
Mg 279.078	4862.30	ppb	20.2813	0.4	10076.6	97.24599
Mn 257.610	4933.92	ppb	16.2627	0.3	1136450	98.67838
Mo 202.032	477.844	ppb	2.1202	0.4	3171.58	95.56880
Na 330.237	7403.50	ppb	128.751	1.7	358.665	98.71331
Ni 231.604	2446.64	ppb	10.7764	0.4	6401.18	97.86555
Pb 220.353	476.278	ppb	2.1168	0.4	789.993	95.25569
Sb 206.834	934.010	ppb	9.5045	1.0	915.065	93.40099
Se 196.026	4819.02	ppb	29.0223	0.6	2369.63	96.38035
Sn 189.925	4954.81	ppb	12.7960	0.3	3850.02	99.09623
Sr 216.596	2376.69	ppb	7.1295	0.3	23111.2	95.06770
Ti 334.941	482.155	ppb	1.7367	0.4	127575	96.43102
Tl 190.794	4824.24	ppb	40.7517	0.8	3309.29	96.48475
V 292.401	4902.54	ppb	14.8839	0.3	137505	98.05074
Zn 206.200	2416.58	ppb	9.6258	0.4	2767.14	96.66338

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Cont Calib Blank (CCB) 3/27/2013, 10:59:41 AM Rack 4, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0310	-0.1955u	-0.1762u
Al 308.215	-3.7213u	-2.8554u	-3.2194u
As 188.980	-4.9692u	-0.1240u	-0.4625u
B 249.678	48.6577	43.8158	38.0747
Ba 389.178	0.3237	-0.4184u	0.4439
Be 313.042	-0.0137u	-0.0090u	-0.0108u
Ca 370.602	4.409	1.900	-1.308u
Cd 226.502	-0.0673u	-0.1046u	0.0328
Co 228.615	0.1328	0.2580	0.5543
Cr 267.716	-0.1872u	-0.0933u	0.1287
Cu 324.754	-0.6113u	-0.0500u	-0.2835u
Fe 271.441	-4.5631u	5.2239	0.3081
K 766.491	0.1589	0.1456	0.5675
Mg 279.078	-4.5810u	-1.1242u	-0.6934u
Mn 257.610	-0.0427u	-0.0427u	-0.0398u
Mo 202.032	-0.0997u	0.3289	0.7436
Na 330.237	20.3158	-107.570u	92.8319
Ni 231.604	0.9132	-1.0666u	-1.8299u
Pb 220.353	-0.4029u	-4.2432u	1.0721
Sb 206.834	-0.1836u	2.4635	1.9181
Se 196.026	6.1399	4.0518	3.7994
Sn 189.925	5.4771	0.2204	-3.2414u
Sr 216.596	0.2271	0.1582	-0.0685u
Ti 334.941	0.0798	0.0439	0.0904
Tl 190.794	1.4578	4.5857	3.2689
V 292.401	-0.4757u	0.1569	-0.0339u
Zn 206.200	-1.1853u	-0.0239u	-0.1842u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1135	ppb	0.1255	110.6	-74.2024	-0.11355
Al 308.215	-3.2654	ppb	0.4348	13.3	246.414	-3.26538
As 188.980	-1.8519	ppb	2.7050	146.1	-1.5554	-1.85190
B 249.678	43.5161	ppb	5.2979	12.2	606.531	43.51608
Ba 389.178	0.1164	ppb	0.4671	401.3	-27.1542	0.11641
Be 313.042	-0.0112	ppb	0.0024	21.4	-232.607	-0.01119
Ca 370.602	1.667	ppb	2.866	171.9	-0.9317	1.66695
Cd 226.502	-0.0464	ppb	0.0710	153.1	9.3609	-0.04639
Co 228.615	0.3150	ppb	0.2165	68.7	15.5717	0.31501
Cr 267.716	-0.0506	ppb	0.1623	320.5	0.4462	-0.05062
Cu 324.754	-0.3149	ppb	0.2820	89.5	94.7582	-0.31492
Fe 271.441	0.3229	ppb	4.8935	1515.3	4.1891	0.32294
K 766.491	0.2906	ppb	0.2398	82.5	220.455	0.29064
Mg 279.078	-2.1329	ppb	2.1311	99.9	20.8953	-2.13289
Mn 257.610	-0.0417	ppb	0.0017	4.0	49.1062	-0.04174
Mo 202.032	0.3243	ppb	0.4217	130.0	11.3628	0.32427
Na 330.237	1.8592	ppb	101.468	5457.6	0.0923	1.85919
Ni 231.604	-0.6611	ppb	1.4158	214.2	0.5910	-0.66110
Pb 220.353	-1.1913	ppb	2.7440	230.3	1.5522	-1.19131
Sb 206.834	1.3993	ppb	1.3977	99.9	2.7667	1.39931
Se 196.026	4.6637	ppb	1.2846	27.5	1.1538	4.66372
Sn 189.925	0.8187	ppb	4.3899	536.2	-0.6846	0.81870
Sr 216.596	0.1056	ppb	0.1546	146.4	9.4422	0.10561
Ti 334.941	0.0714	ppb	0.0243	34.1	-73.0295	0.07138
Tl 190.794	3.1041	ppb	1.5705	50.6	0.9089	3.10411
V 292.401	-0.1175	ppb	0.3245	276.1	0.5997	-0.11754
Zn 206.200	-0.4645	ppb	0.6294	135.5	1.6215	-0.46445

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mb 680-270488/1-a (Samp) **3/27/2013, 11:23:56 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0402u	0.2606	-0.6912u
Al 308.215	-3.6479u	-3.1233u	-2.7969u
As 188.980	3.0661	-6.2059u	1.2577
B 249.678	-12.4088u	-10.5000u	-11.5228u
Ba 389.178	-0.2466u	-0.4110u	0.5214
Be 313.042	-0.0071u	0.0026	-0.0021u
Ca 370.602	9.232	10.51	11.51
Cd 226.502	-0.0589u	-0.1514u	-0.0424u
Co 228.615	0.6013	-0.0029u	0.4898
Cr 267.716	0.0162	-0.1254u	-0.1289u
Cu 324.754	0.6505	-0.5524u	0.5427
Fe 271.441	1.7636	2.2628	3.2058
K 766.491	1.1277	1.7961	1.4000
Mg 279.078	-1.7331u	-1.1590u	3.7486
Mn 257.610	0.0794	0.1171	0.0839
Mo 202.032	1.0263	0.4273	0.0773
Na 330.237	77.9129	173.450	-50.0742u
Ni 231.604	-0.8081u	-0.0383u	-1.6158u
Pb 220.353	1.7058	-2.7981u	-1.8485u
Sb 206.834	-0.9545u	-1.6271u	3.5559
Se 196.026	1.8253	6.6509	0.6399
Sn 189.925	3.6630	0.7466	0.1583
Sr 216.596	0.2163	-0.1510u	0.2304
Ti 334.941	0.0121	0.0120	0.0704
Tl 190.794	-3.1860u	-0.6670u	2.1481
V 292.401	-0.4303u	0.0424	-0.0022u
Zn 206.200	0.5538	-0.7822u	0.6596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1569	ppb	0.4865	310.1	-77.2628
Al 308.215	-3.1894	ppb	0.4293	13.5	246.911
As 188.980	-0.6274	ppb	4.9151	783.4	-0.7976
B 249.678	-11.4772	ppb	0.9552	8.3	87.4087
Ba 389.178	-0.0454	ppb	0.4977	1096.9	-31.1420
Be 313.042	-0.0022	ppb	0.0048	220.7	-214.999
Ca 370.602	10.42	ppb	1.140	10.9	28.03
Cd 226.502	-0.0842	ppb	0.0588	69.8	7.9361
Co 228.615	0.3627	ppb	0.3215	88.6	16.1198
Cr 267.716	-0.0794	ppb	0.0828	104.2	-0.8092
Cu 324.754	0.2136	ppb	0.6656	311.6	120.811
Fe 271.441	2.4108	ppb	0.7324	30.4	7.7675
K 766.491	1.4413	ppb	0.3361	23.3	278.415
Mg 279.078	0.2855	ppb	3.0128	1055.3	25.9312
Mn 257.610	0.0935	ppb	0.0206	22.1	80.2562
Mo 202.032	0.5103	ppb	0.4799	94.0	12.5975
Na 330.237	67.0963	ppb	112.154	167.2	3.4527
Ni 231.604	-0.8207	ppb	0.7888	96.1	0.1735
Pb 220.353	-0.9803	ppb	2.3742	242.2	1.9002
Sb 206.834	0.3248	ppb	2.8184	867.8	1.7611
Se 196.026	3.0387	ppb	3.1839	104.8	0.3547
Sn 189.925	1.5227	ppb	1.8768	123.3	-0.1374
Sr 216.596	0.0985	ppb	0.2163	219.4	9.3630
Ti 334.941	0.0315	ppb	0.0337	106.9	-83.5792
Tl 190.794	-0.5683	ppb	2.6685	469.5	-1.6139
V 292.401	-0.1300	ppb	0.2610	200.7	0.1484
Zn 206.200	0.1437	ppb	0.8936	559.1	2.5719

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ics 680-270488/2-a (Samp) 3/27/2013, 11:29:21 AM Rack 1, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	7.7313	9.3005	9.9412
Al 308.215	4974.01	4982.86	4971.69
As 188.980	109.526	106.833	100.568
B 249.678	189.175	189.911	192.518
Ba 389.178	103.424	102.159	103.675
Be 313.042	51.6723	51.8306	51.8430
Ca 370.602	4895	4916	4910
Cd 226.502	50.5557	49.9571	50.5048
Co 228.615	51.2329	51.6718	51.6089
Cr 267.716	98.4470	98.5744	98.9220
Cu 324.754	102.772	102.638	102.175
Fe 271.441	5078.63	5084.92	5085.88
K 766.491	5107.97	5120.98	5137.58
Mg 279.078	5011.05	5010.01	5024.15
Mn 257.610	518.968	520.041	520.124
Mo 202.032	100.156	100.656	100.890
Na 330.237	4836.56	5010.74	4614.71
Ni 231.604	100.952	101.655	100.572
Pb 220.353	47.7379	48.0821	52.6610
Sb 206.834	46.1201	46.8574	42.4934
Se 196.026	100.645	113.897	99.5548
Sn 189.925	209.696	198.804	201.429
Sr 216.596	100.075	100.686	100.342
Ti 334.941	99.4570	99.7956	99.6902
Tl 190.794	40.5054	37.0858	41.0301
V 292.401	102.711	103.134	103.007
Zn 206.200	100.223	99.2093	97.9078

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.9910	ppb	1.1370	12.6	564.806
Al 308.215	4976.19	ppb	5.8956	0.1	29253.8
As 188.980	105.642	ppb	4.5962	4.4	64.9294
B 249.678	190.535	ppb	1.7566	0.9	1989.60
Ba 389.178	103.086	ppb	0.8122	0.8	2537.65
Be 313.042	51.7820	ppb	0.0952	0.2	101417
Ca 370.602	4907	ppb	11.08	0.2	15785
Cd 226.502	50.3392	ppb	0.3319	0.7	1915.90
Co 228.615	51.5045	ppb	0.2373	0.5	616.278
Cr 267.716	98.6478	ppb	0.2459	0.2	4311.35
Cu 324.754	102.528	ppb	0.3130	0.3	5165.55
Fe 271.441	5083.15	ppb	3.9422	0.1	8657.07
K 766.491	5122.18	ppb	14.8396	0.3	258224
Mg 279.078	5015.07	ppb	7.8842	0.2	10464.4
Mn 257.610	519.711	ppb	0.6448	0.1	119797
Mo 202.032	100.567	ppb	0.3748	0.4	676.180
Na 330.237	4820.67	ppb	198.490	4.1	245.737
Ni 231.604	101.060	ppb	0.5493	0.5	266.730
Pb 220.353	49.4937	ppb	2.7484	5.6	85.0739
Sb 206.834	45.1570	ppb	2.3360	5.2	43.7455
Se 196.026	104.699	ppb	7.9842	7.6	50.4983
Sn 189.925	203.310	ppb	5.6840	2.8	156.714
Sr 216.596	100.368	ppb	0.3065	0.3	983.656
Ti 334.941	99.6476	ppb	0.1733	0.2	26310.5
Tl 190.794	39.5404	ppb	2.1419	5.4	25.2624
V 292.401	102.951	ppb	0.2167	0.2	2874.57
Zn 206.200	99.1133	ppb	1.1606	1.2	157.050

ics 680-270488/3-a (Samp) 3/27/2013, 11:34:46 AM Rack 1, Tube 5
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	206.613	206.715	204.540
Al 308.215	1925.14	1930.87	1917.34
As 188.980	203.453	204.392	206.036
B 249.678	385.495	386.438	386.704
Ba 389.178	195.506	195.426	194.062
Be 313.042	200.971	200.575	199.563
Ca 370.602	19264	19240	19135
Cd 226.502	191.459	190.767	190.409
Co 228.615	197.195	195.854	196.045
Cr 267.716	189.231	188.834	187.866
Cu 324.754	200.123	202.564	197.774
Fe 271.441	20479.6	20461.9	20369.0
K 766.491	19745.2	19787.4	19703.2
Mg 279.078	19609.5	19543.9	19457.8
Mn 257.610	2016.68	2015.68	2004.03
Mo 202.032	193.656	192.346	191.017
Na 330.237	17181.9	17210.7	17047.7
Ni 231.604	195.826	192.898	194.952
Pb 220.353	193.715	193.578	192.437
Sb 206.834	187.053	189.016	182.312
Se 196.026	195.498	189.447	199.461
Sn 189.925	196.894	198.255	191.809
Sr 216.596	204.094	204.644	203.171
Ti 334.941	193.550	193.537	192.852
Tl 190.794	48.0627	43.1646	45.5109
V 292.401	197.885	197.654	195.963
Zn 206.200	183.698	178.098	182.507

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	205.956	ppb	1.2270	0.6	14425.2
Al 308.215	1924.45	ppb	6.7899	0.4	11494.0
As 188.980	204.627	ppb	1.3073	0.6	126.125
B 249.678	386.212	ppb	0.6357	0.2	3822.35
Ba 389.178	194.998	ppb	0.8115	0.4	4871.27
Be 313.042	200.370	ppb	0.7257	0.4	393073
Ca 370.602	19213	ppb	68.57	0.4	61731
Cd 226.502	190.878	ppb	0.5340	0.3	7236.72
Co 228.615	196.365	ppb	0.7253	0.4	2317.43
Cr 267.716	188.644	ppb	0.7018	0.4	8247.68
Cu 324.754	200.154	ppb	2.3953	1.2	9982.07
Fe 271.441	20436.8	ppb	59.4136	0.3	34790.8
K 766.491	19745.2	ppb	42.0733	0.2	994828
Mg 279.078	19537.1	ppb	76.0795	0.4	40698.0
Mn 257.610	2012.13	ppb	7.0328	0.3	463644
Mo 202.032	192.340	ppb	1.3198	0.7	1284.33
Na 330.237	17146.8	ppb	87.0160	0.5	875.929
Ni 231.604	194.559	ppb	1.5031	0.8	511.577
Pb 220.353	193.244	ppb	0.7015	0.4	322.629
Sb 206.834	186.127	ppb	3.4465	1.9	176.329
Se 196.026	194.802	ppb	5.0432	2.6	95.2570
Sn 189.925	195.653	ppb	3.3973	1.7	150.772
Sr 216.596	203.970	ppb	0.7440	0.4	1995.49
Ti 334.941	193.313	ppb	0.3990	0.2	51169.7
Tl 190.794	45.5794	ppb	2.4498	5.4	27.4312
V 292.401	197.167	ppb	1.0497	0.5	5501.92
Zn 206.200	181.434	ppb	2.9500	1.6	285.516

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680-88440-c-10-a (Samp) **3/27/2013, 11:40:11 AM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2331	0.2819	0.5008
Al 308.215	-2.2458u	-1.5663u	-1.9077u
As 188.980	-2.7351u	0.6132	1.5181
B 249.678	-2.8600u	-4.6858u	-4.5281u
Ba 389.178	0.6426	0.3153	1.1545
Be 313.042	-0.0104u	-0.0051u	-0.0113u
Ca 370.602	8.678	12.98	15.92
Cd 226.502	0.0039	0.0396	0.1661
Co 228.615	0.0835	0.7351	-0.1051u
Cr 267.716	0.1973	-0.1655u	-0.2122u
Cu 324.754	0.4154	0.0795	-0.3413u
Fe 271.441	13.0405	0.8064	1.8051
K 766.491	2.3623	2.4420	2.1016
Mg 279.078	1.9083	0.8314	-1.4163u
Mn 257.610	0.0862	0.0796	0.1481
Mo 202.032	1.0227	-0.0451u	0.6435
Na 330.237	160.332	-154.278u	79.6494
Ni 231.604	0.2876	0.9266	-0.1421u
Pb 220.353	-1.8496u	-1.9230u	0.2580
Sb 206.834	-5.1058u	-3.2601u	-1.8094u
Se 196.026	2.9944	5.3575	2.9230
Sn 189.925	-4.4306u	4.6538	3.5120
Sr 216.596	0.9823	-0.2005u	0.7683
Ti 334.941	0.0868	0.1017	0.1648
Tl 190.794	-4.2505u	-0.1278u	1.8900
V 292.401	-0.2122u	-0.5328u	-0.5055u
Zn 206.200	0.3441	-1.0452u	-0.4139u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3386	ppb	0.1426	42.1	-42.3896
Al 308.215	-1.9066	ppb	0.3397	17.8	254.376
As 188.980	-0.2013	ppb	2.2405	1113.2	-0.5339
B 249.678	-4.0246	ppb	1.0117	25.1	157.757
Ba 389.178	0.7041	ppb	0.4230	60.1	-12.6310
Be 313.042	-0.0090	ppb	0.0033	37.3	-228.265
Ca 370.602	12.53	ppb	3.640	29.1	34.82
Cd 226.502	0.0699	ppb	0.0852	122.0	13.7335
Co 228.615	0.2378	ppb	0.4409	185.4	14.6551
Cr 267.716	-0.0601	ppb	0.2241	372.9	0.0341
Cu 324.754	0.0512	ppb	0.3792	740.2	112.812
Fe 271.441	5.2174	ppb	6.7935	130.2	12.5129
K 766.491	2.3020	ppb	0.1780	7.7	321.771
Mg 279.078	0.4411	ppb	1.6963	384.5	26.2553
Mn 257.610	0.1046	ppb	0.0378	36.1	82.8361
Mo 202.032	0.5404	ppb	0.5413	100.2	12.7974
Na 330.237	28.5678	ppb	163.407	572.0	1.4683
Ni 231.604	0.3574	ppb	0.5378	150.5	3.2546
Pb 220.353	-1.1716	ppb	1.2385	105.7	1.5844
Sb 206.834	-3.3918	ppb	1.6521	48.7	-1.7050
Se 196.026	3.7583	ppb	1.3854	36.9	0.7086
Sn 189.925	1.2451	ppb	4.9483	397.4	-0.3531
Sr 216.596	0.5167	ppb	0.6302	122.0	13.4250
Ti 334.941	0.1178	ppb	0.0414	35.1	-60.7321
Tl 190.794	-0.8294	ppb	3.1298	377.3	-1.7935
V 292.401	-0.4168	ppb	0.1777	42.6	-7.8992
Zn 206.200	-0.3717	ppb	0.6956	187.2	89.17659

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680-88440-c-10-aSD^5 (Samp) 3/27/2013, 11:45:36 AM Rack 1, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2643u	0.1782	-0.7976u
Al 308.215	-1.1006u	0.7396	-0.9869u
As 188.980	0.3215	-6.1443u	-2.9463u
B 249.678	-11.0602u	-11.4154u	-12.2352u
Ba 389.178	-0.8376u	0.5433	0.3772
Be 313.042	-0.0077u	-0.0123u	-0.0127u
Ca 370.602	0.6605	3.077	7.302
Cd 226.502	0.1164	0.0941	-0.1327u
Co 228.615	0.5252	0.0717	0.7357
Cr 267.716	-0.2203u	-0.2461u	0.1323
Cu 324.754	0.3250	-0.3306u	-0.3753u
Fe 271.441	-4.1469u	-0.4734u	-2.5732u
K 766.491	1.6931	1.0548	1.0410
Mg 279.078	-0.7344u	1.8107	5.3747
Mn 257.610	0.0188	0.0452	0.0774
Mo 202.032	0.4164	0.2918	0.0519
Na 330.237	183.271	-91.7302u	-19.7189u
Ni 231.604	-0.3765u	-0.7881u	0.6938
Pb 220.353	-1.1920u	-1.6509u	-0.0442u
Sb 206.834	2.5201	-3.8900u	0.4122
Se 196.026	-3.5028u	4.1983	-4.6385u
Sn 189.925	0.5902	3.2234	3.9319
Sr 216.596	0.2964	0.2285	0.4141
Ti 334.941	0.0021	-0.0715u	0.0662
Tl 190.794	-0.4496u	7.7166	-2.5682u
V 292.401	-0.6168u	-0.1492u	-0.8556u
Zn 206.200	-0.6757u	-0.6075u	1.0593

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2946	ppb	0.4886	165.9	-86.9445
Al 308.215	-0.4493	ppb	1.0312	229.5	262.851
As 188.980	-2.9230	ppb	3.2330	110.6	-2.2182
B 249.678	-11.5702	ppb	0.6026	5.2	86.5333
Ba 389.178	0.0276	ppb	0.7539	2729.2	-29.3406
Be 313.042	-0.0109	ppb	0.0028	25.4	-232.053
Ca 370.602	3.680	ppb	3.362	91.4	6.066
Cd 226.502	0.0259	ppb	0.1379	531.7	12.0684
Co 228.615	0.4442	ppb	0.3393	76.4	17.0803
Cr 267.716	-0.1114	ppb	0.2114	189.9	-2.2026
Cu 324.754	-0.1270	ppb	0.3921	308.8	104.028
Fe 271.441	-2.3978	ppb	1.8430	76.9	-0.4350
K 766.491	1.2629	ppb	0.3726	29.5	269.432
Mg 279.078	2.1504	ppb	3.0687	142.7	29.8155
Mn 257.610	0.0471	ppb	0.0293	62.3	69.5847
Mo 202.032	0.2534	ppb	0.1853	73.1	10.8933
Na 330.237	23.9405	ppb	142.604	595.7	1.2277
Ni 231.604	-0.1569	ppb	0.7650	487.4	1.9094
Pb 220.353	-0.9624	ppb	0.8276	86.0	1.9300
Sb 206.834	-0.3192	ppb	3.2670	1023.4	1.1617
Se 196.026	-1.3144	ppb	4.8077	365.8	-1.7857
Sn 189.925	2.5818	ppb	1.7608	68.2	0.6859
Sr 216.596	0.3130	ppb	0.0939	30.0	11.4415
Ti 334.941	-0.0010	ppb	0.0689	6672.4	-92.1864
Tl 190.794	1.5663	ppb	5.4307	346.7	-0.1476
V 292.401	-0.5405	ppb	0.3593	66.5	-11.3550
Zn 206.200	-0.0746	ppb	0.9826	1316.4	2.2307

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680-88440-c-10-aPDS (Samp) 3/27/2013, 11:51:01 AM Rack 1, Tube 8**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	55.6154	54.4153	54.5076
Al 308.215	2079.35	2079.94	2071.06
As 188.980	2281.76	2276.52	2277.04
B 249.678	1083.85	1088.24	1095.34
Ba 389.178	2216.04	2217.90	2205.04
Be 313.042	54.2369	54.2827	53.8770
Ca 370.602	5324	5333	5302
Cd 226.502	53.0022	52.8787	52.6998
Co 228.615	549.229	548.992	539.754
Cr 267.716	208.805	208.256	206.650
Cu 324.754	272.573	273.420	269.463
Fe 271.441	1087.68	1087.56	1084.68
K 766.491	5561.80	5561.58	5549.84
Mg 279.078	5427.98	5406.41	5388.95
Mn 257.610	553.010	551.991	549.135
Mo 202.032	540.651	539.120	537.643
Na 330.237	5309.36	5148.37	5334.39
Ni 231.604	538.852	537.492	537.731
Pb 220.353	530.747	533.443	529.495
Sb 206.834	523.988	525.997	515.935
Se 196.026	2136.26	2143.57	2120.08
Sn 189.925	1105.39	1095.84	1090.08
Sr 216.596	544.141	542.364	538.663
Ti 334.941	1062.94	1063.78	1056.16
Tl 190.794	2189.75	2186.95	2170.13
V 292.401	542.083	541.555	539.140
Zn 206.200	522.651	523.152	526.659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.8461	ppb	0.6678	1.2	3774.42
Al 308.215	2076.79	ppb	4.9677	0.2	12421.9
As 188.980	2278.44	ppb	2.8861	0.1	1409.47
B 249.678	1089.14	ppb	5.8015	0.5	10476.0
Ba 389.178	2213.00	ppb	6.9511	0.3	54633.0
Be 313.042	54.1322	ppb	0.2222	0.4	105940
Ca 370.602	5320	ppb	15.87	0.3	17672
Cd 226.502	52.8603	ppb	0.1520	0.3	2001.04
Co 228.615	545.992	ppb	5.4035	1.0	6437.08
Cr 267.716	207.904	ppb	1.1197	0.5	9078.25
Cu 324.754	271.819	ppb	2.0835	0.8	13513.9
Fe 271.441	1086.64	ppb	1.6983	0.2	1940.70
K 766.491	5557.74	ppb	6.8435	0.1	280165
Mg 279.078	5407.78	ppb	19.5538	0.4	11282.2
Mn 257.610	551.379	ppb	2.0088	0.4	127082
Mo 202.032	539.138	ppb	1.5041	0.3	3586.02
Na 330.237	5264.04	ppb	100.955	1.9	258.851
Ni 231.604	538.025	ppb	0.7264	0.1	1409.45
Pb 220.353	531.228	ppb	2.0175	0.4	879.431
Sb 206.834	521.974	ppb	5.3251	1.0	484.056
Se 196.026	2133.30	ppb	12.0210	0.6	1047.96
Sn 189.925	1097.10	ppb	7.7357	0.7	851.451
Sr 216.596	541.723	ppb	2.7945	0.5	5260.71
Ti 334.941	1060.96	ppb	4.1754	0.4	280810
Tl 190.794	2182.27	ppb	10.6116	0.5	1497.48
V 292.401	540.926	ppb	1.5692	0.3	15113.6
Zn 206.200	524.154	ppb	2.1837	0.4	821.461

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88440-c-10-b ms (Samp) **3/27/2013, 11:56:27 AM** **Rack 1, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.8122	9.2193	9.4177
Al 308.215	4978.34	4954.00	4982.73
As 188.980	105.521	105.489	99.1947
B 249.678	215.115	213.978	215.123
Ba 389.178	103.203	103.120	103.467
Be 313.042	51.6638	51.3586	51.7082
Ca 370.602	4890	4864	4918
Cd 226.502	50.3271	49.7747	50.3986
Co 228.615	52.4512	50.4610	51.6241
Cr 267.716	98.7205	97.6812	99.2347
Cu 324.754	101.235	99.5426	102.222
Fe 271.441	5084.58	5047.64	5093.52
K 766.491	5126.90	5110.79	5148.97
Mg 279.078	5014.27	4988.38	5032.35
Mn 257.610	519.137	515.542	519.306
Mo 202.032	99.9738	100.177	100.368
Na 330.237	4578.16	4812.91	5187.69
Ni 231.604	100.055	101.311	100.677
Pb 220.353	48.7808	48.8219	46.9731
Sb 206.834	49.7476	54.8226	46.7377
Se 196.026	95.5751	103.705	97.6444
Sn 189.925	199.488	204.018	204.527
Sr 216.596	100.035	98.6612	100.369
Ti 334.941	100.228	99.8135	100.481
Tl 190.794	44.9083	39.2212	47.0546
V 292.401	102.768	101.115	102.650
Zn 206.200	101.551	99.6769	100.946

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.1497	ppb	0.3087	3.4	575.965
Al 308.215	4971.69	ppb	15.4752	0.3	29227.5
As 188.980	103.402	ppb	3.6436	3.5	63.5429
B 249.678	214.739	ppb	0.6586	0.3	2218.09
Ba 389.178	103.263	ppb	0.1812	0.2	2542.01
Be 313.042	51.5769	ppb	0.1903	0.4	101014
Ca 370.602	4891	ppb	27.01	0.6	15732
Cd 226.502	50.1668	ppb	0.3414	0.7	1909.40
Co 228.615	51.5121	ppb	0.9998	1.9	616.401
Cr 267.716	98.5455	ppb	0.7914	0.8	4306.88
Cu 324.754	101.000	ppb	1.3548	1.3	5090.22
Fe 271.441	5075.25	ppb	24.3212	0.5	8643.56
K 766.491	5128.89	ppb	19.1683	0.4	258562
Mg 279.078	5011.66	ppb	22.1012	0.4	10457.3
Mn 257.610	517.995	ppb	2.1261	0.4	119402
Mo 202.032	100.173	ppb	0.1973	0.2	673.566
Na 330.237	4859.59	ppb	307.430	6.3	247.725
Ni 231.604	100.681	ppb	0.6280	0.6	265.739
Pb 220.353	48.1919	ppb	1.0557	2.2	82.9243
Sb 206.834	50.4360	ppb	4.0862	8.1	48.6737
Se 196.026	98.9748	ppb	4.2249	4.3	47.6832
Sn 189.925	202.678	ppb	2.7743	1.4	156.222
Sr 216.596	99.6885	ppb	0.9053	0.9	977.046
Ti 334.941	100.174	ppb	0.3368	0.3	26449.8
Tl 190.794	43.7280	ppb	4.0479	9.3	28.1406
V 292.401	102.177	ppb	0.9221	0.9	2852.94
Zn 206.200	100.725	ppb	0.9564	0.9	159.570

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680-88440-c-10-c msd (Samp) 3/27/2013, 12:01:53 PM Rack 1, Tube 10**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.7603	9.5737	7.8226
Al 308.215	4950.37	4978.15	4972.18
As 188.980	91.8791	105.716	108.977
B 249.678	198.584	201.714	201.184
Ba 389.178	102.368	103.670	103.333
Be 313.042	51.3471	51.6536	51.5429
Ca 370.602	4868	4899	4892
Cd 226.502	49.9048	50.5253	50.4342
Co 228.615	50.5906	52.1430	51.0382
Cr 267.716	97.8765	98.4707	97.8677
Cu 324.754	100.405	100.758	101.026
Fe 271.441	5052.92	5074.36	5065.08
K 766.491	5113.09	5142.22	5137.89
Mg 279.078	4994.65	5006.84	5002.24
Mn 257.610	515.483	518.546	516.882
Mo 202.032	97.5808	99.9044	99.9122
Na 330.237	4840.34	4813.02	4804.07
Ni 231.604	99.2784	101.018	99.3070
Pb 220.353	50.2320	47.7410	49.5706
Sb 206.834	52.8639	53.9926	42.8900
Se 196.026	108.418	115.361	99.7173
Sn 189.925	202.287	204.429	199.179
Sr 216.596	99.6372	100.127	98.6919
Ti 334.941	98.6651	99.3169	98.8901
Tl 190.794	36.2071	38.2864	43.5703
V 292.401	101.975	102.532	101.921
Zn 206.200	99.9779	98.4863	99.4803

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.7189	ppb	0.8762	10.0	545.645
Al 308.215	4966.90	ppb	14.6201	0.3	29199.5
As 188.980	102.191	ppb	9.0778	8.9	62.7937
B 249.678	200.494	ppb	1.6750	0.8	2083.63
Ba 389.178	103.124	ppb	0.6757	0.7	2538.52
Be 313.042	51.5145	ppb	0.1552	0.3	100892
Ca 370.602	4887	ppb	16.14	0.3	15718
Cd 226.502	50.2881	ppb	0.3351	0.7	1913.93
Co 228.615	51.2573	ppb	0.7990	1.6	613.404
Cr 267.716	98.0716	ppb	0.3456	0.4	4286.19
Cu 324.754	100.730	ppb	0.3114	0.3	5076.90
Fe 271.441	5064.12	ppb	10.7498	0.2	8624.67
K 766.491	5131.07	ppb	15.7167	0.3	258672
Mg 279.078	5001.24	ppb	6.1542	0.1	10435.6
Mn 257.610	516.970	ppb	1.5337	0.3	119166
Mo 202.032	99.1325	ppb	1.3438	1.4	666.661
Na 330.237	4819.14	ppb	18.8931	0.4	245.659
Ni 231.604	99.8677	ppb	0.9960	1.0	263.612
Pb 220.353	49.1812	ppb	1.2903	2.6	84.5596
Sb 206.834	49.9155	ppb	6.1104	12.2	48.1964
Se 196.026	107.832	ppb	7.8383	7.3	52.0380
Sn 189.925	201.965	ppb	2.6399	1.3	155.668
Sr 216.596	99.4855	ppb	0.7297	0.7	975.099
Ti 334.941	98.9574	ppb	0.3310	0.3	26127.7
Tl 190.794	39.3546	ppb	3.7960	9.6	25.1383
V 292.401	102.143	ppb	0.3384	0.3	2852.14
Zn 206.200	99.3148	ppb	0.7594	0.8	157.366

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680-88440-c-11-a (Samp) 3/27/2013, 12:07:20 PM Rack 1, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1191u	-1.6610u	-1.4723u
Al 308.215	-4.0671u	-3.0482u	-1.5477u
As 188.980	4.4344	0.6370	-4.8552u
B 249.678	-4.6392u	-4.8927u	-5.8296u
Ba 389.178	0.1045	-0.3793u	-0.4926u
Be 313.042	0.0081	0.0025	0.0088
Ca 370.602	9.706	7.614	6.845
Cd 226.502	-0.0467u	0.0618	-0.0185u
Co 228.615	-0.5946u	0.3058	-0.2144u
Cr 267.716	0.4271	0.3419	0.6652
Cu 324.754	1.1259	0.9915	1.1010
Fe 271.441	8.3982	-1.5201u	2.3920
K 766.491	2.1260	2.0873	1.7286
Mg 279.078	-1.2104u	2.1004	4.7748
Mn 257.610	0.0316	0.0181	0.0069
Mo 202.032	-0.0574u	0.3049	0.3780
Na 330.237	70.6076	-146.350u	-70.3843u
Ni 231.604	-0.9045u	1.5544	-0.1687u
Pb 220.353	3.2870	-0.3862u	1.2563
Sb 206.834	3.3073	-0.5175u	-2.6459u
Se 196.026	2.7079	5.6852	6.2297
Sn 189.925	3.8294	1.6645	-2.4884u
Sr 216.596	-0.6323u	0.0135	-0.4258u
Ti 334.941	0.1365	0.1430	0.1490
Tl 190.794	9.1555	1.1366	3.7646
V 292.401	-0.3010u	-0.0811u	0.0624
Zn 206.200	1.5400	1.7917	1.5866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0841	ppb	0.8410	77.6	-142.483
Al 308.215	-2.8877	ppb	1.2673	43.9	248.654
As 188.980	0.0721	ppb	4.6705	6479.7	-0.3648
B 249.678	-5.1205	ppb	0.6271	12.2	147.411
Ba 389.178	-0.2558	ppb	0.3172	124.0	-36.3275
Be 313.042	0.0065	ppb	0.0034	53.0	-197.966
Ca 370.602	8.055	ppb	1.480	18.4	19.99
Cd 226.502	-0.0011	ppb	0.0563	4968.0	11.0674
Co 228.615	-0.1677	ppb	0.4520	269.5	9.8953
Cr 267.716	0.4781	ppb	0.1676	35.0	23.5270
Cu 324.754	1.0728	ppb	0.0715	6.7	163.146
Fe 271.441	3.0900	ppb	4.9959	161.7	8.9240
K 766.491	1.9806	ppb	0.2191	11.1	305.584
Mg 279.078	1.8883	ppb	2.9982	158.8	29.2718
Mn 257.610	0.0189	ppb	0.0123	65.4	63.0945
Mo 202.032	0.2085	ppb	0.2332	111.8	10.5944
Na 330.237	-48.7090	ppb	110.091	226.0	-2.5366
Ni 231.604	0.1604	ppb	1.2621	786.7	2.7395
Pb 220.353	1.3857	ppb	1.8400	132.8	5.8076
Sb 206.834	0.0480	ppb	3.0166	6286.8	1.5083
Se 196.026	4.8743	ppb	1.8958	38.9	1.2573
Sn 189.925	1.0018	ppb	3.2106	320.5	-0.5422
Sr 216.596	-0.3482	ppb	0.3299	94.7	5.0020
Ti 334.941	0.1428	ppb	0.0063	4.4	-54.0975
Tl 190.794	4.6856	ppb	4.0880	87.2	1.9951
V 292.401	-0.1066	ppb	0.1831	171.8	0.8055
Zn 206.200	1.6394	ppb	0.1339	8.2	4.9098

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680-88506-a-1-a (Samp) 3/27/2013, 12:12:46 PM Rack 1, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4413u	-0.3213u	-0.4210u
Al 308.215	72.8376	75.1360	72.0288
As 188.980	-5.7949u	-6.9288u	0.7687
B 249.678	-5.9937u	-4.9929u	-5.0767u
Ba 389.178	8.6130	9.0605	9.3845
Be 313.042	0.0000	-0.0009u	-0.0066u
Ca 370.602	5169	5195	5155
Cd 226.502	6.7663	6.7791	6.8836
Co 228.615	0.7125	0.5500	0.5397
Cr 267.716	0.5271	0.4141	0.3811
Cu 324.754	2.6202	1.9429	1.9805
Fe 271.441	287.971	295.503	285.555
K 766.491	3533.70	3558.97	3534.71
Mg 279.078	688.211	690.176	685.122
Mn 257.610	10.4357	10.4480	10.3716
Mo 202.032	0.7730	0.7169	0.3546
Na 330.237	1838.02	1799.69	1920.02
Ni 231.604	15.0613	17.2202	16.4433
Pb 220.353	-0.0767u	-1.9645u	-3.0467u
Sb 206.834	-0.8239u	-1.2511u	2.8436
Se 196.026	9.6827	7.1232	5.8684
Sn 189.925	-1.2313u	2.3523	-0.1188u
Sr 216.596	17.6904	17.4505	18.0577
Ti 334.941	0.3681	0.2723	0.2971
Tl 190.794	-0.8665u	2.5280	2.2398
V 292.401	0.0547	0.4084	-0.0363u
Zn 206.200	26.9520	27.3855	27.7834

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3945	ppb	0.0643	16.3	-94.7040
Al 308.215	73.3341	ppb	1.6120	2.2	692.526
As 188.980	-3.9850	ppb	4.1557	104.3	-2.8349
B 249.678	-5.3544	ppb	0.5552	10.4	144.945
Ba 389.178	9.0193	ppb	0.3874	4.3	195.019
Be 313.042	-0.0025	ppb	0.0036	144.4	-214.181
Ca 370.602	5173	ppb	20.15	0.4	17028
Cd 226.502	6.8097	ppb	0.0644	0.9	267.786
Co 228.615	0.6007	ppb	0.0969	16.1	18.9120
Cr 267.716	0.4408	ppb	0.0765	17.4	21.9699
Cu 324.754	2.1812	ppb	0.3807	17.5	217.849
Fe 271.441	289.676	ppb	5.1887	1.8	496.367
K 766.491	3542.46	ppb	14.3095	0.4	178649
Mg 279.078	687.836	ppb	2.5476	0.4	1458.16
Mn 257.610	10.4184	ppb	0.0410	0.4	2462.89
Mo 202.032	0.6148	ppb	0.2271	36.9	13.2776
Na 330.237	1852.58	ppb	61.4731	3.3	95.3176
Ni 231.604	16.2416	ppb	1.0935	6.7	44.8029
Pb 220.353	-1.6960	ppb	1.5031	88.6	0.7186
Sb 206.834	0.2562	ppb	2.2509	878.7	1.7046
Se 196.026	7.5581	ppb	1.9440	25.7	2.5812
Sn 189.925	0.3341	ppb	1.8342	549.1	-1.0586
Sr 216.596	17.7328	ppb	0.3058	1.7	181.472
Ti 334.941	0.3125	ppb	0.0497	15.9	-6.3643
Tl 190.794	1.3005	ppb	1.8821	144.7	-0.3504
V 292.401	0.1423	ppb	0.2349	165.1	7.7523
Zn 206.200	27.3736	ppb	0.4158	1.5	451.576

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Cont Calib Verif (Samp) 3/27/2013, 12:18:11 PM Rack 1, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.162	503.110	509.441
Al 308.215	4942.73	4946.53	4948.58
As 188.980	453.445	458.425	453.098
B 249.678	2454.42	2478.90	2498.13
Ba 389.178	4907.77	4909.30	4923.93
Be 313.042	485.896	486.801	486.680
Ca 370.602	4848	4864	4866
Cd 226.502	474.487	476.160	475.006
Co 228.615	490.281	489.044	489.212
Cr 267.716	4679.48	4689.48	4695.59
Cu 324.754	4876.26	4757.29	4875.10
Fe 271.441	4931.84	4926.39	4929.73
K 766.491	10047.1	10026.2	10051.9
Mg 279.078	4839.75	4849.41	4853.82
Mn 257.610	4917.40	4916.41	4921.25
Mo 202.032	473.999	473.558	475.436
Na 330.237	7294.31	7341.37	7596.68
Ni 231.604	2436.06	2448.11	2446.27
Pb 220.353	480.186	480.136	482.530
Sb 206.834	910.962	913.795	931.443
Se 196.026	4834.26	4807.23	4802.71
Sn 189.925	4911.47	4911.48	4893.53
Sr 216.596	2361.99	2365.66	2372.05
Ti 334.941	477.208	478.871	479.600
Tl 190.794	4821.50	4811.01	4804.55
V 292.401	4875.97	4863.38	4881.08
Zn 206.200	2405.11	2417.42	2415.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	505.238	ppb	3.6406	0.7	35427.7
Al 308.215	4945.95	ppb	2.9712	0.1	29042.2
As 188.980	454.989	ppb	2.9804	0.7	281.020
B 249.678	2477.15	ppb	21.9095	0.9	23574.8
Ba 389.178	4913.67	ppb	8.9228	0.2	121330
Be 313.042	486.459	ppb	0.4915	0.1	954431
Ca 370.602	4859	ppb	9.557	0.2	15885
Cd 226.502	475.218	ppb	0.8563	0.2	17887.7
Co 228.615	489.512	ppb	0.6712	0.1	5771.95
Cr 267.716	4688.18	ppb	8.1346	0.2	204647
Cu 324.754	4836.22	ppb	68.3528	1.4	238381
Fe 271.441	4929.32	ppb	2.7481	0.1	8506.74
K 766.491	10041.7	ppb	13.6772	0.1	506034
Mg 279.078	4847.66	ppb	7.1962	0.1	10046.3
Mn 257.610	4918.35	ppb	2.5555	0.1	1132864
Mo 202.032	474.331	ppb	0.9818	0.2	3148.32
Na 330.237	7410.78	ppb	162.700	2.2	359.045
Ni 231.604	2443.48	ppb	6.4936	0.3	6392.91
Pb 220.353	480.951	ppb	1.3681	0.3	797.711
Sb 206.834	918.733	ppb	11.0977	1.2	900.694
Se 196.026	4814.73	ppb	17.0602	0.4	2367.52
Sn 189.925	4905.49	ppb	10.3644	0.2	3811.69
Sr 216.596	2366.57	ppb	5.0888	0.2	23012.6
Ti 334.941	478.560	ppb	1.2264	0.3	126623
Tl 190.794	4812.35	ppb	8.5524	0.2	3301.13
V 292.401	4873.48	ppb	9.1078	0.2	136688
Zn 206.200	2412.52	ppb	6.5262	0.3	2760.82

Cont Calib Blank (Samp) 3/27/2013, 12:23:35 PM Rack 1, Tube 14
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4130u	0.0970	-0.1832u
Al 308.215	-3.5685u	-6.0338u	-3.2923u
As 188.980	0.0351	3.7522	1.9098
B 249.678	49.0266	43.3136	37.8272
Ba 389.178	1.0760	0.4968	0.7335
Be 313.042	0.0088	-0.0021u	0.0033
Ca 370.602	2.354	1.963	0.9282
Cd 226.502	-0.0569u	-0.1184u	-0.0368u
Co 228.615	-0.1398u	0.2900	0.0767
Cr 267.716	0.0155	0.1789	0.0296
Cu 324.754	0.1534	-0.0713u	0.0493
Fe 271.441	6.1131	2.6041	1.9537
K 766.491	0.2140	1.2442	0.9042
Mg 279.078	0.8700	-2.6831u	-0.7368u
Mn 257.610	0.1994	0.0966	0.1774
Mo 202.032	0.8259	1.0085	0.2630
Na 330.237	-40.8204u	107.652	175.085
Ni 231.604	-0.4067u	0.0887	-0.8723u
Pb 220.353	1.0069	-1.0842u	0.3416
Sb 206.834	4.0339	0.6128	9.2227
Se 196.026	7.5075	-1.7904u	9.6787
Sn 189.925	-0.6926u	-0.5556u	0.1884
Sr 216.596	-0.0017u	0.0685	0.7852
Ti 334.941	0.1687	0.1947	0.0199
Tl 190.794	-2.8514u	-2.6083u	1.5155
V 292.401	0.1179	0.0096	0.0518
Zn 206.200	0.3919	-0.1581u	0.0607

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1664	ppb	0.2554	153.5	-77.9033
Al 308.215	-4.2982	ppb	1.5094	35.1	240.486
As 188.980	1.8990	ppb	1.8586	97.9	0.7657
B 249.678	43.3892	ppb	5.6001	12.9	605.337
Ba 389.178	0.7688	ppb	0.2912	37.9	-11.0444
Be 313.042	0.0033	ppb	0.0055	165.1	-204.232
Ca 370.602	1.749	ppb	0.7369	42.1	-0.3247
Cd 226.502	-0.0707	ppb	0.0425	60.2	8.4385
Co 228.615	0.0756	ppb	0.2149	284.2	12.7406
Cr 267.716	0.0747	ppb	0.0905	121.2	5.9175
Cu 324.754	0.0438	ppb	0.1125	256.9	112.448
Fe 271.441	3.5570	ppb	2.2374	62.9	9.6872
K 766.491	0.7875	ppb	0.5249	66.7	245.483
Mg 279.078	-0.8500	ppb	1.7792	209.3	23.5645
Mn 257.610	0.1578	ppb	0.0541	34.3	95.0613
Mo 202.032	0.6991	ppb	0.3885	55.6	13.8503
Na 330.237	80.6390	ppb	110.459	137.0	4.1510
Ni 231.604	-0.3967	ppb	0.4806	121.1	1.2823
Pb 220.353	0.0881	ppb	1.0684	1212.7	3.6643
Sb 206.834	4.6231	ppb	4.3351	93.8	5.7681
Se 196.026	5.1319	ppb	6.0924	118.7	1.3840
Sn 189.925	-0.3533	ppb	0.4741	134.2	-1.5955
Sr 216.596	0.2840	ppb	0.4355	153.3	11.1480
Ti 334.941	0.1278	ppb	0.0943	73.8	-58.0951
Tl 190.794	-1.3147	ppb	2.4541	186.7	-2.1267
V 292.401	0.0598	ppb	0.0546	91.3	5.4332
Zn 206.200	0.0982	ppb	0.2769	282.1	2.5005

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6573u	-0.5425u	0.0236
Al 308.215	32.9081	33.2453	33.5371
As 188.980	1.0561	-8.2459u	-4.2959u
B 249.678	8.9705	8.9267	6.3481
Ba 389.178	7.2694	6.1295	6.6858
Be 313.042	-0.0116u	-0.0006u	0.0021
Ca 370.602	3399	3403	3446
Cd 226.502	13.1550	13.1285	13.4955
Co 228.615	0.6352	0.4441	0.4187
Cr 267.716	0.1350	0.1444	0.2257
Cu 324.754	2.1610	2.4137	2.3414
Fe 271.441	21.8591	26.0476	21.8458
K 766.491	1528.51	1522.19	1539.28
Mg 279.078	394.561	395.676	404.919
Mn 257.610	1.7500	1.6824	1.6783
Mo 202.032	0.0673	0.7152	1.0190
Na 330.237	1319.99	1174.12	1221.82
Ni 231.604	18.7150	18.2932	19.5900
Pb 220.353	-1.2221u	1.4984	-2.6033u
Sb 206.834	-2.2280u	-2.3536u	-3.7915u
Se 196.026	1.0284	4.4350	-8.2465u
Sn 189.925	-1.2166u	-1.9058u	-0.0279u
Sr 216.596	11.0317	10.5132	10.9982
Ti 334.941	0.2784	0.2567	0.2989
Tl 190.794	-8.7543u	3.1465	6.5725
V 292.401	0.0601	0.2904	0.3159
Zn 206.200	39.4212	38.8956	40.8858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3921	ppb	0.3645	93.0	-94.2485
Al 308.215	33.2302	ppb	0.3148	0.9	458.969
As 188.980	-3.8286	ppb	4.6685	121.9	-2.7502
B 249.678	8.0818	ppb	1.5016	18.6	272.026
Ba 389.178	6.6949	ppb	0.5700	8.5	136.419
Be 313.042	-0.0034	ppb	0.0072	215.0	-216.343
Ca 370.602	3416	ppb	25.73	0.8	11257
Cd 226.502	13.2597	ppb	0.2047	1.5	509.606
Co 228.615	0.4993	ppb	0.1184	23.7	17.7346
Cr 267.716	0.1684	ppb	0.0499	29.6	9.9182
Cu 324.754	2.3053	ppb	0.1301	5.6	223.882
Fe 271.441	23.2509	ppb	2.4221	10.4	43.2641
K 766.491	1529.99	ppb	8.6433	0.6	77275.8
Mg 279.078	398.385	ppb	5.6859	1.4	855.254
Mn 257.610	1.7036	ppb	0.0403	2.4	453.387
Mo 202.032	0.6005	ppb	0.4861	80.9	13.1945
Na 330.237	1238.64	ppb	74.3747	6.0	63.6153
Ni 231.604	18.8660	ppb	0.6614	3.5	51.6612
Pb 220.353	-0.7757	ppb	2.0870	269.0	2.2375
Sb 206.834	-2.7910	ppb	0.8687	31.1	-1.1434
Se 196.026	-0.9277	ppb	6.5631	707.5	-1.5950
Sn 189.925	-1.0501	ppb	0.9500	90.5	-2.1354
Sr 216.596	10.8477	ppb	0.2902	2.7	114.108
Ti 334.941	0.2780	ppb	0.0211	7.6	-16.7161
Tl 190.794	0.3216	ppb	8.0444	2501.7	-1.0047
V 292.401	0.2221	ppb	0.1409	63.4	10.0607
Zn 206.200	39.7342	ppb	1.0314	2.6	64.4901

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3126	-0.2356u	0.1701
Al 308.215	156.603	154.608	153.977
As 188.980	-7.1610u	-5.7048u	4.4063
B 249.678	-0.1377u	-0.2240u	0.0422
Ba 389.178	8.4590	7.6966	6.4373
Be 313.042	-0.0232u	-0.0058u	-0.0129u
Ca 370.602	2724	2712	2719
Cd 226.502	12.7613	12.3438	12.5444
Co 228.615	0.6663	0.4746	0.2964
Cr 267.716	0.3152	0.1602	0.3476
Cu 324.754	0.8470	0.8001	1.7533
Fe 271.441	77.0577	84.6498	81.3445
K 766.491	2376.51	2365.84	2365.62
Mg 279.078	356.956	359.849	354.702
Mn 257.610	0.9274	0.9301	0.8915
Mo 202.032	0.2202	0.6942	0.7320
Na 330.237	1308.93	1328.15	1324.26
Ni 231.604	17.6048	19.1497	18.4499
Pb 220.353	2.9032	1.5619	-0.6062u
Sb 206.834	2.7158	0.4299	-1.3975u
Se 196.026	8.3526	2.4222	3.3424
Sn 189.925	4.5939	1.9292	4.8431
Sr 216.596	9.6474	9.9067	9.5267
Ti 334.941	0.3898	0.3459	0.3646
Tl 190.794	1.4120	4.0984	-5.4902u
V 292.401	0.2604	0.8648	-0.4766u
Zn 206.200	34.3596	33.5462	33.6782

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0824	ppb	0.2844	345.3	-60.8284
Al 308.215	155.063	ppb	1.3711	0.9	1168.39
As 188.980	-2.8198	ppb	6.3002	223.4	-2.1324
B 249.678	-0.1065	ppb	0.1358	127.6	194.675
Ba 389.178	7.5310	ppb	1.0210	13.6	157.041
Be 313.042	-0.0139	ppb	0.0087	62.5	-237.376
Ca 370.602	2718	ppb	5.944	0.2	8951
Cd 226.502	12.5498	ppb	0.2088	1.7	483.067
Co 228.615	0.4791	ppb	0.1850	38.6	17.5021
Cr 267.716	0.2743	ppb	0.1002	36.5	14.5632
Cu 324.754	1.1335	ppb	0.5373	47.4	166.152
Fe 271.441	81.0174	ppb	3.8066	4.7	141.501
K 766.491	2369.32	ppb	6.2250	0.3	119555
Mg 279.078	357.169	ppb	2.5802	0.7	769.376
Mn 257.610	0.9163	ppb	0.0215	2.4	272.004
Mo 202.032	0.5488	ppb	0.2852	52.0	12.8488
Na 330.237	1320.45	ppb	10.1620	0.8	67.8620
Ni 231.604	18.4015	ppb	0.7736	4.2	50.4474
Pb 220.353	1.2863	ppb	1.7709	137.7	5.6407
Sb 206.834	0.5827	ppb	2.0609	353.7	2.0086
Se 196.026	4.7057	ppb	3.1916	67.8	1.1751
Sn 189.925	3.7887	ppb	1.6152	42.6	1.6255
Sr 216.596	9.6936	ppb	0.1941	2.0	102.829
Ti 334.941	0.3668	ppb	0.0220	6.0	6.6158
Tl 190.794	0.0067	ppb	4.9464	73454.6	-1.2222
V 292.401	0.2162	ppb	0.6718	310.7	9.9158
Zn 206.200	33.8613	ppb	0.4355	1.3	553046

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 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1909	0.0540	0.4992
Al 308.215	313.079	310.164	315.350
As 188.980	11.0073	-7.1307u	0.5255
B 249.678	-1.9514u	-2.5058u	-2.0559u
Ba 389.178	15.8025	15.7137	15.0297
Be 313.042	-0.0016u	-0.0062u	-0.0074u
Ca 370.602	7542	7568	7588
Cd 226.502	9.6984	9.2976	9.3999
Co 228.615	2.0510	1.5969	1.7783
Cr 267.716	1.4972	1.2752	1.4852
Cu 324.754	4.4349	4.5417	5.0629
Fe 271.441	531.019	529.426	531.879
K 766.491	6603.74	6569.21	6586.34
Mg 279.078	969.553	970.560	966.531
Mn 257.610	18.4719	18.3534	18.4692
Mo 202.032	1.0639	0.6954	0.7383
Na 330.237	5260.52	5395.80	5347.55
Ni 231.604	23.9483	22.2281	23.7438
Pb 220.353	1.4925	-1.2885u	-2.1761u
Sb 206.834	-1.3848u	-0.4394u	-2.6991u
Se 196.026	-1.5858u	10.9025	7.7544
Sn 189.925	4.1005	0.4114	-1.3172u
Sr 216.596	32.7175	31.9724	32.3718
Ti 334.941	2.3074	2.3119	2.2840
Tl 190.794	-2.0386u	-1.4420u	0.3798
V 292.401	1.3929	0.6812	0.6218
Zn 206.200	27.0930	26.4297	27.0244

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2480	ppb	0.2280	91.9	-50.1018
Al 308.215	312.864	ppb	2.5997	0.8	2087.32
As 188.980	1.4674	ppb	9.1056	620.5	0.5570
B 249.678	-2.1710	ppb	0.2946	13.6	174.776
Ba 389.178	15.5153	ppb	0.4229	2.7	356.556
Be 313.042	-0.0050	ppb	0.0031	60.9	-218.984
Ca 370.602	7566	ppb	22.88	0.3	24901
Cd 226.502	9.4653	ppb	0.2083	2.2	368.186
Co 228.615	1.8087	ppb	0.2285	12.6	33.1536
Cr 267.716	1.4192	ppb	0.1249	8.8	64.7995
Cu 324.754	4.6798	ppb	0.3360	7.2	341.033
Fe 271.441	530.775	ppb	1.2442	0.2	906.537
K 766.491	6586.43	ppb	17.2646	0.3	331982
Mg 279.078	968.881	ppb	2.0965	0.2	2043.50
Mn 257.610	18.4315	ppb	0.0676	0.4	4310.63
Mo 202.032	0.8325	ppb	0.2015	24.2	14.7099
Na 330.237	5334.62	ppb	68.5588	1.3	274.944
Ni 231.604	23.3067	ppb	0.9397	4.0	63.2855
Pb 220.353	-0.6574	ppb	1.9140	291.2	2.4297
Sb 206.834	-1.5078	ppb	1.1349	75.3	0.0711
Se 196.026	5.6904	ppb	6.4950	114.1	1.6661
Sn 189.925	1.0649	ppb	2.7673	259.9	-0.4884
Sr 216.596	32.3539	ppb	0.3729	1.2	324.102
Ti 334.941	2.3011	ppb	0.0150	0.7	521.066
Tl 190.794	-1.0336	ppb	1.2599	121.9	-1.9696
V 292.401	0.8986	ppb	0.4291	47.8	28.9588
Zn 206.200	26.8491	ppb	0.3648	1.4	443344

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680-88506-a-5-a (Samp) 3/27/2013, 12:45:23 PM Rack 1, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6659	0.1876	-0.6679u
Al 308.215	111.131	112.470	113.774
As 188.980	5.7516	-0.6980u	-5.3086u
B 249.678	-9.8797u	-8.3036u	-9.1617u
Ba 389.178	8.7081	8.7370	9.2926
Be 313.042	0.0080	0.0026	0.0048
Ca 370.602	5400	5386	5346
Cd 226.502	8.5203	8.3473	8.2419
Co 228.615	-0.4049u	0.3301	0.2220
Cr 267.716	0.4845	0.4281	0.8176
Cu 324.754	1.9823	1.9368	1.5677
Fe 271.441	455.699	453.799	446.832
K 766.491	2884.68	2855.00	2823.40
Mg 279.078	585.391	585.642	571.810
Mn 257.610	5.9443	5.8716	5.8386
Mo 202.032	-0.0070u	0.2138	0.2313
Na 330.237	3060.50	2810.70	2776.24
Ni 231.604	14.5367	14.1653	13.4573
Pb 220.353	-3.4635u	1.9615	-0.9688u
Sb 206.834	-0.7433u	-0.4378u	1.1293
Se 196.026	4.6685	0.8132	-0.3556u
Sn 189.925	3.1171	0.8378	2.2783
Sr 216.596	19.8778	19.2428	18.8127
Ti 334.941	2.0174	1.9214	1.9337
Tl 190.794	-0.1770u	4.8558	-0.5929u
V 292.401	0.4065	0.6106	0.0489
Zn 206.200	23.4195	24.3065	23.8670

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0618	ppb	0.6757	1092.7	-62.6900
Al 308.215	112.458	ppb	1.3215	1.2	920.299
As 188.980	-0.0850	ppb	5.5555	6537.9	-0.4212
B 249.678	-9.1150	ppb	0.7891	8.7	109.292
Ba 389.178	8.9126	ppb	0.3294	3.7	192.330
Be 313.042	0.0051	ppb	0.0027	53.1	-199.202
Ca 370.602	5377	ppb	28.22	0.5	17689
Cd 226.502	8.3699	ppb	0.1405	1.7	326.825
Co 228.615	0.0491	ppb	0.3968	808.8	12.4819
Cr 267.716	0.5767	ppb	0.2105	36.5	27.9283
Cu 324.754	1.8289	ppb	0.2274	12.4	200.527
Fe 271.441	452.110	ppb	4.6689	1.0	772.525
K 766.491	2854.36	ppb	30.6445	1.1	143988
Mg 279.078	580.947	ppb	7.9146	1.4	1235.57
Mn 257.610	5.8848	ppb	0.0541	0.9	1418.58
Mo 202.032	0.1460	ppb	0.1328	91.0	10.1588
Na 330.237	2882.48	ppb	155.130	5.4	148.438
Ni 231.604	14.0531	ppb	0.5484	3.9	39.0825
Pb 220.353	-0.8236	ppb	2.7154	329.7	2.1573
Sb 206.834	-0.0173	ppb	1.0047	5819.6	1.4588
Se 196.026	1.7087	ppb	2.6290	153.9	-0.2952
Sn 189.925	2.0777	ppb	1.1528	55.5	0.2972
Sr 216.596	19.3111	ppb	0.5358	2.8	196.962
Ti 334.941	1.9575	ppb	0.0522	2.7	428.622
Tl 190.794	1.3620	ppb	3.0329	222.7	-0.3093
V 292.401	0.3554	ppb	0.2843	80.0	13.8271
Zn 206.200	23.8643	ppb	0.4435	1.9	20.6688

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4674u	-1.2271u	0.6238
Al 308.215	114.825	114.862	112.166
As 188.980	-0.6634u	-0.2493u	3.7628
B 249.678	-4.4161u	-4.9035u	-5.5767u
Ba 389.178	6.7239	8.6595	7.4765
Be 313.042	-0.0123u	-0.0128u	-0.0070u
Ca 370.602	3455	3442	3471
Cd 226.502	10.9386	11.0477	11.1096
Co 228.615	0.7180	-0.0034u	0.8728
Cr 267.716	0.1461	0.2100	0.3671
Cu 324.754	1.2140	1.2759	1.3518
Fe 271.441	137.024	140.283	137.475
K 766.491	2386.92	2385.95	2381.11
Mg 279.078	428.313	434.374	433.104
Mn 257.610	1.9201	1.9592	1.9422
Mo 202.032	0.2828	0.8783	0.7767
Na 330.237	2395.84	2374.75	2149.06
Ni 231.604	16.2835	16.1584	14.7171
Pb 220.353	0.8270	-2.3661u	2.7746
Sb 206.834	0.2627	-1.9449u	-2.4058u
Se 196.026	9.4572	-0.4760u	-2.5342u
Sn 189.925	1.1106	2.1715	-2.2967u
Sr 216.596	12.7209	12.6766	13.1057
Ti 334.941	2.2926	2.1798	2.2719
Tl 190.794	-1.4590u	2.0836	6.4074
V 292.401	0.0698	0.2637	0.4950
Zn 206.200	25.2669	25.4050	25.7561

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3569	ppb	0.9304	260.7	-91.8758
Al 308.215	113.951	ppb	1.5460	1.4	929.020
As 188.980	0.9501	ppb	2.4447	257.3	0.2062
B 249.678	-4.9654	ppb	0.5828	11.7	148.757
Ba 389.178	7.6199	ppb	0.9757	12.8	159.527
Be 313.042	-0.0107	ppb	0.0032	30.1	-230.920
Ca 370.602	3456	ppb	14.27	0.4	11379
Cd 226.502	11.0320	ppb	0.0866	0.8	426.137
Co 228.615	0.5291	ppb	0.4677	88.4	18.1320
Cr 267.716	0.2410	ppb	0.1137	47.2	13.1566
Cu 324.754	1.2806	ppb	0.0690	5.4	173.421
Fe 271.441	138.261	ppb	1.7658	1.3	238.749
K 766.491	2384.66	ppb	3.1145	0.1	120328
Mg 279.078	431.930	ppb	3.1967	0.7	925.130
Mn 257.610	1.9405	ppb	0.0196	1.0	508.454
Mo 202.032	0.6459	ppb	0.3186	49.3	13.4906
Na 330.237	2306.55	ppb	136.799	5.9	118.789
Ni 231.604	15.7197	ppb	0.8705	5.5	43.4348
Pb 220.353	0.4118	ppb	2.5954	630.2	4.1964
Sb 206.834	-1.3627	ppb	1.4263	104.7	0.1905
Se 196.026	2.1490	ppb	6.4122	298.4	-0.0815
Sn 189.925	0.3285	ppb	2.3346	710.8	-1.0635
Sr 216.596	12.8344	ppb	0.2360	1.8	133.545
Ti 334.941	2.2481	ppb	0.0601	2.7	504.935
Tl 190.794	2.3440	ppb	3.9397	168.1	0.3801
V 292.401	0.2761	ppb	0.2129	77.1	11.5817
Zn 206.200	25.4760	ppb	0.2522	1.0	421904

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88506-a-7-a (Samp) 3/27/2013, 12:56:13 PM Rack 1, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4101u	-0.1665u	0.0912
Al 308.215	350.446	349.392	351.775
As 188.980	-3.7693u	-0.4522u	1.6279
B 249.678	-8.4691u	-8.6780u	-8.3333u
Ba 389.178	9.4481	7.8241	7.9541
Be 313.042	-0.0019u	-0.0067u	-0.0060u
Ca 370.602	2738	2732	2756
Cd 226.502	13.9076	14.1481	13.8722
Co 228.615	-0.2256u	-0.0780u	0.0957
Cr 267.716	0.5394	0.5497	0.3288
Cu 324.754	2.0518	1.2953	2.7452
Fe 271.441	132.336	134.027	137.460
K 766.491	3139.27	3139.45	3136.00
Mg 279.078	469.186	471.589	471.119
Mn 257.610	3.3964	3.4565	3.4349
Mo 202.032	-0.1900u	0.3002	0.2113
Na 330.237	825.702	946.770	744.914
Ni 231.604	19.8905	20.4325	19.5784
Pb 220.353	-0.0850u	-1.0747u	-0.6823u
Sb 206.834	-4.2779u	0.6727	-0.2040u
Se 196.026	3.7382	10.3266	-1.2535u
Sn 189.925	-0.5404u	-0.4956u	-3.3415u
Sr 216.596	8.4265	9.2471	8.7886
Ti 334.941	1.5825	1.6890	1.6972
Tl 190.794	2.5303	-0.8147u	3.7789
V 292.401	0.2777	0.8744	0.6854
Zn 206.200	36.9701	33.4394	35.6996

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1618	ppb	0.2507	154.9	-77.9566
Al 308.215	350.538	ppb	1.1941	0.3	2306.60
As 188.980	-0.8645	ppb	2.7221	314.9	-0.9226
B 249.678	-8.4934	ppb	0.1736	2.0	115.458
Ba 389.178	8.4088	ppb	0.9024	10.7	179.101
Be 313.042	-0.0049	ppb	0.0026	53.0	-219.506
Ca 370.602	2742	ppb	12.27	0.4	9025
Cd 226.502	13.9760	ppb	0.1501	1.1	536.807
Co 228.615	-0.0693	ppb	0.1608	232.1	11.1037
Cr 267.716	0.4726	ppb	0.1247	26.4	23.2194
Cu 324.754	2.0308	ppb	0.7252	35.7	210.370
Fe 271.441	134.608	ppb	2.6109	1.9	232.577
K 766.491	3138.24	ppb	1.9445	0.1	158288
Mg 279.078	470.631	ppb	1.2734	0.3	1005.66
Mn 257.610	3.4293	ppb	0.0305	0.9	851.527
Mo 202.032	0.1072	ppb	0.2611	243.7	9.9149
Na 330.237	839.129	ppb	101.596	12.1	42.9860
Ni 231.604	19.9671	ppb	0.4322	2.2	54.5433
Pb 220.353	-0.6140	ppb	0.4984	81.2	2.4992
Sb 206.834	-1.2697	ppb	2.6418	208.1	0.2859
Se 196.026	4.2704	ppb	5.8084	136.0	0.9620
Sn 189.925	-1.4592	ppb	1.6303	111.7	-2.4538
Sr 216.596	8.8207	ppb	0.4112	4.7	94.3335
Ti 334.941	1.6562	ppb	0.0640	3.9	348.518
Tl 190.794	1.8315	ppb	2.3752	129.7	0.0270
V 292.401	0.6125	ppb	0.3050	49.8	21.1333
Zn 206.200	35.3697	ppb	1.7883	5.1	57.6633

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88506-a-8-a (Samp) 3/27/2013, 1:01:38 PM Rack 1, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5475u	-0.5923u	-0.2182u
Al 308.215	234.304	237.663	237.164
As 188.980	0.5977	4.1810	1.5203
B 249.678	-6.8531u	-6.8365u	-6.1207u
Ba 389.178	15.0566	14.0761	14.3159
Be 313.042	-0.0102u	-0.0193u	-0.0104u
Ca 370.602	4080	4079	4058
Cd 226.502	18.9372	18.9560	18.8083
Co 228.615	1.4231	1.0694	0.8261
Cr 267.716	0.2057	0.2924	0.2537
Cu 324.754	2.3693	2.6163	2.1242
Fe 271.441	463.299	461.158	462.833
K 766.491	5284.11	5290.37	5266.59
Mg 279.078	636.533	645.987	636.603
Mn 257.610	11.4073	11.3864	11.4107
Mo 202.032	0.4945	-0.0455u	0.6324
Na 330.237	1821.56	2312.70	2240.33
Ni 231.604	22.7794	22.7550	21.7456
Pb 220.353	2.3025	-3.4541u	-0.1868u
Sb 206.834	-6.3735u	-0.1509u	-3.6566u
Se 196.026	1.7010	8.7691	1.3798
Sn 189.925	-1.8814u	1.5807	2.8026
Sr 216.596	15.2827	15.3327	15.2601
Ti 334.941	4.6284	4.4596	4.5515
Tl 190.794	2.0205	-0.0062u	1.1150
V 292.401	0.2302	0.3065	-0.0257u
Zn 206.200	42.2928	43.6816	43.0459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4527	ppb	0.2043	45.1	-98.6877
Al 308.215	236.377	ppb	1.8126	0.8	1641.85
As 188.980	2.0997	ppb	1.8606	88.6	0.9196
B 249.678	-6.6034	ppb	0.4181	6.3	132.996
Ba 389.178	14.4829	ppb	0.5111	3.5	330.041
Be 313.042	-0.0133	ppb	0.0052	38.7	-235.836
Ca 370.602	4072	ppb	12.52	0.3	13386
Cd 226.502	18.9005	ppb	0.0804	0.4	722.723
Co 228.615	1.1062	ppb	0.3002	27.1	24.9821
Cr 267.716	0.2506	ppb	0.0434	17.3	13.6127
Cu 324.754	2.3699	ppb	0.2460	10.4	227.183
Fe 271.441	462.430	ppb	1.1256	0.2	790.225
K 766.491	5280.35	ppb	12.3248	0.2	266192
Mg 279.078	639.707	ppb	5.4382	0.9	1357.86
Mn 257.610	11.4015	ppb	0.0131	0.1	2689.48
Mo 202.032	0.3605	ppb	0.3583	99.4	11.5819
Na 330.237	2124.86	ppb	265.150	12.5	109.162
Ni 231.604	22.4267	ppb	0.5900	2.6	60.9824
Pb 220.353	-0.4461	ppb	2.8871	647.2	2.7783
Sb 206.834	-3.3937	ppb	3.1196	91.9	-1.6913
Se 196.026	3.9500	ppb	4.1766	105.7	0.8082
Sn 189.925	0.8340	ppb	2.4296	291.3	-0.6704
Sr 216.596	15.2919	ppb	0.0371	0.2	157.581
Ti 334.941	4.5465	ppb	0.0845	1.9	1114.34
Tl 190.794	1.0431	ppb	1.0152	97.3	-0.5338
V 292.401	0.1703	ppb	0.1740	102.2	8.7432
Zn 206.200	43.0068	ppb	0.6952	1.6	69.6081

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88506-a-9-a (Samp) 3/27/2013, 1:07:04 PM Rack 1, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2819u	-0.2161u	0.4040
Al 308.215	378.684	377.911	376.879
As 188.980	-0.2523u	-3.5933u	-5.9004u
B 249.678	-8.5376u	-7.4200u	-8.0905u
Ba 389.178	16.3978	14.3103	15.3825
Be 313.042	-0.0007u	-0.0014u	0.0039
Ca 370.602	4116	4075	4087
Cd 226.502	19.8991	19.6419	19.9310
Co 228.615	1.7283	1.2889	1.0553
Cr 267.716	0.8897	0.7644	0.5298
Cu 324.754	1.5771	1.6340	1.6398
Fe 271.441	305.752	301.178	302.744
K 766.491	3972.19	3944.45	3955.68
Mg 279.078	562.155	562.451	555.838
Mn 257.610	14.7015	14.5882	14.6424
Mo 202.032	0.3136	-0.3821u	0.2265
Na 330.237	2020.34	2000.35	2209.49
Ni 231.604	22.6780	24.4039	24.4708
Pb 220.353	-0.2592u	-0.0822u	-1.0864u
Sb 206.834	-4.2115u	-3.2516u	3.2645
Se 196.026	-6.1790u	10.0533	-4.4792u
Sn 189.925	2.8090	-2.4882u	0.5845
Sr 216.596	17.9817	17.5772	17.3025
Ti 334.941	7.6416	7.7177	7.8394
Tl 190.794	-7.8476u	6.1922	-5.7374u
V 292.401	1.3710	0.7570	0.4287
Zn 206.200	46.4373	46.8120	46.8792

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0313	ppb	0.3784	1208.0	-69.1206
Al 308.215	377.825	ppb	0.9052	0.2	2465.51
As 188.980	-3.2487	ppb	2.8398	87.4	-2.3884
B 249.678	-8.0161	ppb	0.5625	7.0	119.808
Ba 389.178	15.3635	ppb	1.0439	6.8	351.327
Be 313.042	0.0006	ppb	0.0029	487.9	-208.498
Ca 370.602	4093	ppb	21.18	0.5	13467
Cd 226.502	19.8240	ppb	0.1585	0.8	757.052
Co 228.615	1.3575	ppb	0.3417	25.2	28.0235
Cr 267.716	0.7279	ppb	0.1827	25.1	34.4241
Cu 324.754	1.6170	ppb	0.0347	2.1	190.029
Fe 271.441	303.225	ppb	2.3243	0.8	519.521
K 766.491	3957.44	ppb	13.9537	0.4	199553
Mg 279.078	560.148	ppb	3.7355	0.7	1192.00
Mn 257.610	14.6440	ppb	0.0566	0.4	3435.41
Mo 202.032	0.0526	ppb	0.3790	720.0	9.5450
Na 330.237	2076.73	ppb	115.409	5.6	106.674
Ni 231.604	23.8509	ppb	1.0163	4.3	64.7041
Pb 220.353	-0.4759	ppb	0.5360	112.6	2.7252
Sb 206.834	-1.3995	ppb	4.0676	290.6	0.1689
Se 196.026	-0.2016	ppb	8.9216	4424.7	-1.2332
Sn 189.925	0.3018	ppb	2.6599	881.4	-1.0841
Sr 216.596	17.6205	ppb	0.3417	1.9	180.180
Ti 334.941	7.7329	ppb	0.0997	1.3	1957.56
Tl 190.794	-2.4643	ppb	7.5706	307.2	-2.9405
V 292.401	0.8522	ppb	0.4783	56.1	27.9287
Zn 206.200	46.7095	ppb	0.2381	0.5	75.3976

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88495-b-1-a (Samp) 3/27/2013, 1:12:30 PM Rack 1, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2603	-0.5470u	0.4838
Al 308.215	122.464	117.960	120.389
As 188.980	-2.1640u	-1.9909u	-5.2024u
B 249.678	-12.6213u	-12.1867u	-13.0583u
Ba 389.178	2.7859	3.4894	3.2317
Be 313.042	-0.0069u	-0.0022u	-0.0062u
Ca 370.602	602.8	594.7	599.8
Cd 226.502	0.0470	-0.1429u	0.0282
Co 228.615	-0.3740u	0.4252	0.4382
Cr 267.716	0.1801	0.3349	0.3644
Cu 324.754	1.4364	1.2977	2.0020
Fe 271.441	84.6738	85.9109	77.8252
K 766.491	558.451	550.671	557.167
Mg 279.078	193.569	190.082	197.293
Mn 257.610	23.1564	22.6891	22.9531
Mo 202.032	-0.1909u	-0.5196u	0.4086
Na 330.237	549.293	402.206	442.649
Ni 231.604	-0.4717u	0.4680	0.6425
Pb 220.353	-2.9525u	0.3920	1.3493
Sb 206.834	3.6911	0.0224	1.0193
Se 196.026	3.1931	2.4944	12.9998
Sn 189.925	-2.1597u	3.7820	3.1519
Sr 216.596	1.1996	1.1223	1.0486
Ti 334.941	1.1067	1.1962	1.3036
Tl 190.794	3.8627	-0.1136u	7.4670
V 292.401	2.6369	2.7562	2.9542
Zn 206.200	16.5486	13.8322	13.7968

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0657	ppb	0.5422	825.1	-61.5463
Al 308.215	120.271	ppb	2.2543	1.9	965.696
As 188.980	-3.1191	ppb	1.8063	57.9	-2.3353
B 249.678	-12.6221	ppb	0.4358	3.5	76.5285
Ba 389.178	3.1690	ppb	0.3559	11.2	48.8848
Be 313.042	-0.0051	ppb	0.0026	50.4	-220.575
Ca 370.602	599.1	ppb	4.089	0.7	1964
Cd 226.502	-0.0226	ppb	0.1046	463.8	10.4452
Co 228.615	0.1631	ppb	0.4652	285.2	13.8244
Cr 267.716	0.2931	ppb	0.0990	33.8	15.5430
Cu 324.754	1.5787	ppb	0.3731	23.6	188.057
Fe 271.441	82.8033	ppb	4.3553	5.3	144.535
K 766.491	555.430	ppb	4.1705	0.8	28184.3
Mg 279.078	193.648	ppb	3.6064	1.9	428.378
Mn 257.610	22.9329	ppb	0.2343	1.0	5341.78
Mo 202.032	-0.1006	ppb	0.4706	467.6	8.5345
Na 330.237	464.716	ppb	75.9860	16.4	23.8307
Ni 231.604	0.2129	ppb	0.5993	281.5	2.8785
Pb 220.353	-0.4038	ppb	2.2586	559.4	2.8550
Sb 206.834	1.5776	ppb	1.8970	120.2	2.9400
Se 196.026	6.2291	ppb	5.8740	94.3	1.9295
Sn 189.925	1.5914	ppb	3.2638	205.1	-0.0835
Sr 216.596	1.1235	ppb	0.0755	6.7	19.4403
Ti 334.941	1.2022	ppb	0.0986	8.2	227.156
Tl 190.794	3.7387	ppb	3.7918	101.4	1.3203
V 292.401	2.7825	ppb	0.1603	5.8	82.1889
Zn 206.200	14.7259	ppb	1.5786	10.7	25.3775

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88495-b-2-a (Samp) 3/27/2013, 1:17:56 PM Rack 1, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2397u	1.0506	-0.1877u
Al 308.215	265.154	264.287	263.785
As 188.980	-2.3761u	-3.2319u	-3.5897u
B 249.678	-9.0206u	-9.0506u	-10.2307u
Ba 389.178	11.2686	10.8075	10.9968
Be 313.042	-0.0032u	-0.0008	-0.0063u
Ca 370.602	5093	5125	5093
Cd 226.502	-0.0357u	-0.0498u	-0.2094u
Co 228.615	0.5636	0.0124	0.5860
Cr 267.716	1.1854	0.9411	0.9000
Cu 324.754	61.4546	63.4222	63.3623
Fe 271.441	441.366	436.352	438.956
K 766.491	873.560	879.812	876.289
Mg 279.078	762.348	761.252	757.515
Mn 257.610	21.3044	21.4919	21.3911
Mo 202.032	0.2019	0.0544	0.5892
Na 330.237	649.684	645.025	255.427
Ni 231.604	1.9316	0.1080	1.0307
Pb 220.353	2.0475	5.2025	4.6188
Sb 206.834	-0.7989u	-3.1183u	-0.0795u
Se 196.026	9.2901	-1.5288u	3.2876
Sn 189.925	-0.2163u	2.3255	0.3289
Sr 216.596	25.8390	24.7928	25.8427
Ti 334.941	12.2889	12.4017	12.4510
Tl 190.794	6.7072	1.4851	-3.9059u
V 292.401	0.5675	0.4011	0.6912
Zn 206.200	205.752	206.112	205.379

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2077	ppb	0.7304	351.6	-52.6176
Al 308.215	264.409	ppb	0.6927	0.3	1805.08
As 188.980	-3.0659	ppb	0.6236	20.3	-2.2682
B 249.678	-9.4340	ppb	0.6901	7.3	106.295
Ba 389.178	11.0243	ppb	0.2318	2.1	244.940
Be 313.042	-0.0034	ppb	0.0028	80.7	-215.693
Ca 370.602	5104	ppb	18.43	0.4	16792
Cd 226.502	-0.0983	ppb	0.0965	98.1	8.4608
Co 228.615	0.3873	ppb	0.3249	83.9	16.7453
Cr 267.716	1.0089	ppb	0.1543	15.3	46.8989
Cu 324.754	62.7463	ppb	1.1191	1.8	3202.21
Fe 271.441	438.891	ppb	2.5076	0.6	750.104
K 766.491	876.554	ppb	3.1345	0.4	44360.2
Mg 279.078	760.372	ppb	2.5339	0.3	1609.07
Mn 257.610	21.3958	ppb	0.0938	0.4	4991.93
Mo 202.032	0.2818	ppb	0.2762	98.0	11.0603
Na 330.237	516.712	ppb	226.292	43.8	24.8812
Ni 231.604	1.0234	ppb	0.9118	89.1	5.0056
Pb 220.353	3.9563	ppb	1.6786	42.4	10.0463
Sb 206.834	-1.3322	ppb	1.5880	119.2	0.2385
Se 196.026	3.6830	ppb	5.4203	147.2	0.6793
Sn 189.925	0.8127	ppb	1.3381	164.7	-0.6871
Sr 216.596	25.4915	ppb	0.6051	2.4	257.353
Ti 334.941	12.3805	ppb	0.0831	0.7	3188.95
Tl 190.794	1.4288	ppb	5.3068	371.4	-0.2780
V 292.401	0.5533	ppb	0.1456	26.3	19.5960
Zn 206.200	205.748	ppb	0.3665	0.2	324.128

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Verif (Samp) 3/27/2013, 1:23:21 PM Rack 1, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	505.486	501.980	508.052
Al 308.215	4943.88	4973.30	4985.98
As 188.980	459.214	440.416	451.570
B 249.678	2451.29	2487.11	2509.61
Ba 389.178	4913.84	4940.17	4949.62
Be 313.042	488.648	492.200	491.537
Ca 370.602	4889	4924	4926
Cd 226.502	475.898	478.108	479.032
Co 228.615	489.125	490.722	492.224
Cr 267.716	4722.40	4750.26	4748.66
Cu 324.754	4886.52	4784.97	4885.71
Fe 271.441	4937.17	4977.40	4962.53
K 766.491	10023.1	10083.4	10122.4
Mg 279.078	4865.67	4886.94	4905.25
Mn 257.610	4931.68	4948.92	4951.21
Mo 202.032	478.620	484.539	481.347
Na 330.237	7425.41	7342.39	7369.77
Ni 231.604	2453.60	2460.97	2461.10
Pb 220.353	476.190	484.274	480.029
Sb 206.834	915.820	919.915	920.997
Se 196.026	4812.31	4858.11	4851.98
Sn 189.925	4884.78	4941.17	4968.47
Sr 216.596	2387.07	2400.61	2400.41
Ti 334.941	481.425	484.582	484.734
Tl 190.794	4808.85	4825.57	4838.04
V 292.401	4870.07	4896.13	4903.52
Zn 206.200	2421.18	2425.69	2430.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	505.173	ppb	3.0482	0.6	35423.4
Al 308.215	4967.72	ppb	21.5952	0.4	29169.0
As 188.980	450.400	ppb	9.4534	2.1	278.179
B 249.678	2482.67	ppb	29.4086	1.2	23626.9
Ba 389.178	4934.54	ppb	18.5421	0.4	121846
Be 313.042	490.795	ppb	1.8886	0.4	962942
Ca 370.602	4913	ppb	20.64	0.4	16061
Cd 226.502	477.679	ppb	1.6101	0.3	17980.4
Co 228.615	490.691	ppb	1.5497	0.3	5785.83
Cr 267.716	4740.44	ppb	15.6427	0.3	206928
Cu 324.754	4852.40	ppb	58.3995	1.2	239178
Fe 271.441	4959.03	ppb	20.3407	0.4	8557.99
K 766.491	10076.3	ppb	50.0556	0.5	507776
Mg 279.078	4885.95	ppb	19.8075	0.4	10125.7
Mn 257.610	4943.94	ppb	10.6758	0.2	1138757
Mo 202.032	481.502	ppb	2.9623	0.6	3195.88
Na 330.237	7379.19	ppb	42.3043	0.6	357.332
Ni 231.604	2458.56	ppb	4.2930	0.2	6432.35
Pb 220.353	480.164	ppb	4.0439	0.8	796.412
Sb 206.834	918.910	ppb	2.7309	0.3	901.084
Se 196.026	4840.80	ppb	24.8614	0.5	2380.35
Sn 189.925	4931.47	ppb	42.6762	0.9	3831.88
Sr 216.596	2396.03	ppb	7.7596	0.3	23299.4
Ti 334.941	483.580	ppb	1.8684	0.4	127952
Tl 190.794	4824.15	ppb	14.6485	0.3	3309.22
V 292.401	4889.91	ppb	17.5755	0.4	137148
Zn 206.200	2425.84	ppb	4.7445	0.2	3781.58

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

Cont Calib Blank (Samp) 3/27/2013, 1:28:45 PM Rack 1, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5519	0.2656	0.3813
Al 308.215	-2.0600u	-4.3516u	0.4264
As 188.980	-6.7592u	3.6100	4.0842
B 249.678	48.5150	41.5037	37.5012
Ba 389.178	-0.6897u	-0.4499u	-0.3267u
Be 313.042	-0.0049u	-0.0025u	-0.0002u
Ca 370.602	4.764	3.708	1.910
Cd 226.502	-0.1265u	0.0214	-0.1731u
Co 228.615	-0.6853u	-0.1801u	0.0883
Cr 267.716	0.1033	0.0659	0.3009
Cu 324.754	1.2718	1.2799	1.4019
Fe 271.441	-7.0548u	1.3300	-0.6256u
K 766.491	0.5720	1.2195	0.3513
Mg 279.078	4.8000	0.4374	-3.3903u
Mn 257.610	0.2602	0.2252	0.3075
Mo 202.032	0.4666	0.9159	0.3711
Na 330.237	18.5299	-71.7334u	-36.6555u
Ni 231.604	0.0647	0.2759	-0.0913u
Pb 220.353	-2.8214u	0.6545	-3.1622u
Sb 206.834	4.0636	4.8666	7.7513
Se 196.026	3.3068	-0.4245u	6.9257
Sn 189.925	1.1059	4.6007	1.5647
Sr 216.596	-0.7807u	0.4533	-0.2354u
Ti 334.941	0.1327	0.1942	0.1844
Tl 190.794	3.1489	3.6934	1.8288
V 292.401	0.3749	-0.1306u	-0.4434u
Zn 206.200	-1.0675u	-0.5392u	-0.9863u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3996	ppb	0.1440	36.0	-38.1078
Al 308.215	-1.9951	ppb	2.3897	119.8	253.886
As 188.980	0.3117	ppb	6.1281	1966.1	-0.2165
B 249.678	42.5066	ppb	5.5750	13.1	597.008
Ba 389.178	-0.4887	ppb	0.1846	37.8	-42.0936
Be 313.042	-0.0025	ppb	0.0023	93.4	-215.658
Ca 370.602	3.461	ppb	1.443	41.7	5.504
Cd 226.502	-0.0927	ppb	0.1016	109.5	7.6057
Co 228.615	-0.2590	ppb	0.3928	151.6	8.8139
Cr 267.716	0.1567	ppb	0.1263	80.6	9.4972
Cu 324.754	1.3178	ppb	0.0729	5.5	175.226
Fe 271.441	-2.1168	ppb	4.3868	207.2	0.0211
K 766.491	0.7142	ppb	0.4512	63.2	241.793
Mg 279.078	0.6157	ppb	4.0981	665.6	26.6152
Mn 257.610	0.2643	ppb	0.0413	15.6	119.594
Mo 202.032	0.5845	ppb	0.2909	49.8	13.0900
Na 330.237	-29.9530	ppb	45.5034	151.9	-1.5484
Ni 231.604	0.0831	ppb	0.1843	221.7	2.5372
Pb 220.353	-1.7764	ppb	2.1121	118.9	0.5852
Sb 206.834	5.5605	ppb	1.9393	34.9	6.6440
Se 196.026	3.2694	ppb	3.6752	112.4	0.4682
Sn 189.925	2.4238	ppb	1.8992	78.4	0.5631
Sr 216.596	-0.1876	ppb	0.6184	329.6	6.5524
Ti 334.941	0.1704	ppb	0.0331	19.4	-46.7976
Tl 190.794	2.8904	ppb	0.9588	33.2	0.7618
V 292.401	-0.0664	ppb	0.4129	622.3	1.9056
Zn 206.200	-0.8643	ppb	0.2845	32.9	0.9951

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88495-b-3-a (Samp) 3/27/2013, 1:34:09 PM Rack 1, Tube 27

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5723u	-0.2639u	-0.0578u
Al 308.215	269.888	266.225	267.310
As 188.980	-0.8797u	3.0259	-3.9708u
B 249.678	15.7841	12.9675	12.5195
Ba 389.178	16.4087	16.6011	18.2111
Be 313.042	0.0082	0.0122	0.0076
Ca 370.602	5676	5655	5633
Cd 226.502	-0.1474u	-0.0344	-0.0407u
Co 228.615	0.7774	1.0162	0.9660
Cr 267.716	0.8148	0.9081	1.0840
Cu 324.754	9.3851	9.8501	10.1337
Fe 271.441	595.588	590.485	587.828
K 766.491	1057.48	1056.76	1055.13
Mg 279.078	797.319	796.579	791.669
Mn 257.610	102.522	102.110	101.875
Mo 202.032	0.8421	0.8298	0.8821
Na 330.237	2414.53	2830.34	2770.42
Ni 231.604	0.3106	1.1902	-0.4269u
Pb 220.353	2.0736	2.8538	-0.4477u
Sb 206.834	0.9935	-1.4014u	4.1762
Se 196.026	4.9619	4.9578	2.2530
Sn 189.925	-1.8659u	2.2622	1.5571
Sr 216.596	28.1923	26.8186	26.5453
Ti 334.941	3.4219	3.5050	3.4190
Tl 190.794	4.0631	1.1684	4.5105
V 292.401	0.9149	1.1971	1.1477
Zn 206.200	50.3509	51.4562	50.7061

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2980	ppb	0.2590	86.9	-87.9167
Al 308.215	267.808	ppb	1.8811	0.7	1824.96
As 188.980	-0.6082	ppb	3.5062	576.5	-0.7444
B 249.678	13.7570	ppb	1.7697	12.9	325.068
Ba 389.178	17.0737	ppb	0.9897	5.8	394.639
Be 313.042	0.0094	ppb	0.0025	26.8	-190.817
Ca 370.602	5655	ppb	21.68	0.4	18596
Cd 226.502	-0.0742	ppb	0.0635	85.6	9.7344
Co 228.615	0.9199	ppb	0.1259	13.7	22.7313
Cr 267.716	0.9356	ppb	0.1367	14.6	44.0682
Cu 324.754	9.7897	ppb	0.3779	3.9	592.837
Fe 271.441	591.301	ppb	3.9439	0.7	1009.33
K 766.491	1056.46	ppb	1.2009	0.1	53422.5
Mg 279.078	795.189	ppb	3.0705	0.4	1680.36
Mn 257.610	102.169	ppb	0.3276	0.3	23595.7
Mo 202.032	0.8513	ppb	0.0273	3.2	14.8316
Na 330.237	2671.76	ppb	224.774	8.4	137.301
Ni 231.604	0.3580	ppb	0.8096	226.1	3.2683
Pb 220.353	1.4932	ppb	1.7256	115.6	5.9997
Sb 206.834	1.2561	ppb	2.7980	222.8	2.6483
Se 196.026	4.0576	ppb	1.5628	38.5	0.8841
Sn 189.925	0.6511	ppb	2.2081	339.1	-0.8117
Sr 216.596	27.1854	ppb	0.8826	3.2	273.952
Ti 334.941	3.4486	ppb	0.0489	1.4	824.318
Tl 190.794	3.2474	ppb	1.8143	55.9	0.8848
V 292.401	1.0865	ppb	0.1507	13.9	34.2866
Zn 206.200	50.8377	ppb	0.5643	1.1	81.8527

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680-88541-a-1-a (Samp) 3/27/2013, 1:39:33 PM Rack 1, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0657u	-0.3606u	0.5379
Al 308.215	497.097	500.278	500.487
As 188.980	-1.2784u	-6.4009u	-10.3535u
B 249.678	121.449	121.940	121.959
Ba 389.178	52.9398	55.1254	53.2834
Be 313.042	0.0039	0.0192	0.0171
Ca 370.602	13660	13731	13725
Cd 226.502	0.2716	0.1170	0.2724
Co 228.615	0.6410	0.7882	0.7427
Cr 267.716	0.8893	0.9869	0.9071
Cu 324.754	42.4591	41.5305	43.0526
Fe 271.441	1928.35	1927.12	1931.05
K 766.491	8098.10	8114.56	8113.93
Mg 279.078	2713.19	2720.72	2720.36
Mn 257.610	212.800	213.590	212.884
Mo 202.032	1.4165	0.5444	1.2489
Na 330.237	33979.1	34083.3	33819.7
Ni 231.604	1.3932	2.4627	2.7794
Pb 220.353	3.4806	1.9989	1.2912
Sb 206.834	0.4954	2.2834	0.4394
Se 196.026	3.7329	9.5125	7.0821
Sn 189.925	4.2837	1.5065	-2.1159u
Sr 216.596	73.9032	74.4802	73.1423
Ti 334.941	2.9352	2.9528	2.9037
Tl 190.794	0.0234u	0.6202	0.8281
V 292.401	0.3778	1.1154	0.3809
Zn 206.200	77.9740	79.6774	77.6191

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0372	ppb	0.4580	1231.0	-65.8918
Al 308.215	499.287	ppb	1.9001	0.4	3172.92
As 188.980	-6.0109	ppb	4.5501	75.7	-4.0341
B 249.678	121.783	ppb	0.2890	0.2	1343.56
Ba 389.178	53.7829	ppb	1.1753	2.2	1308.39
Be 313.042	0.0134	ppb	0.0083	61.7	-184.412
Ca 370.602	13705	ppb	39.16	0.3	45035
Cd 226.502	0.2203	ppb	0.0895	40.6	23.9268
Co 228.615	0.7239	ppb	0.0754	10.4	20.3679
Cr 267.716	0.9278	ppb	0.0520	5.6	44.9664
Cu 324.754	42.3474	ppb	0.7672	1.8	2197.52
Fe 271.441	1928.84	ppb	2.0088	0.1	3283.91
K 766.491	8108.87	ppb	9.3259	0.1	408672
Mg 279.078	2718.09	ppb	4.2459	0.2	5684.73
Mn 257.610	213.091	ppb	0.4337	0.2	49156.9
Mo 202.032	1.0700	ppb	0.4628	43.3	16.2220
Na 330.237	33960.7	ppb	132.741	0.4	1751.59
Ni 231.604	2.2118	ppb	0.7264	32.8	8.1443
Pb 220.353	2.2569	ppb	1.1172	49.5	7.2806
Sb 206.834	1.0728	ppb	1.0489	97.8	2.5022
Se 196.026	6.7758	ppb	2.9019	42.8	2.2556
Sn 189.925	1.2248	ppb	3.2091	262.0	-0.3521
Sr 216.596	73.8419	ppb	0.6711	0.9	729.672
Ti 334.941	2.9306	ppb	0.0249	0.8	693.134
Tl 190.794	0.4906	ppb	0.4177	85.1	-1.1677
V 292.401	0.6247	ppb	0.4250	68.0	21.0102
Zn 206.200	78.4235	ppb	1.1993	1.4	124.996

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88541-a-2-a (Samp) 3/27/2013, 1:44:57 PM Rack 1, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3627u	-0.8481u	-0.3649u
Al 308.215	1123.49	1120.27	1123.52
As 188.980	4.5408	4.0237	-5.9371u
B 249.678	115.310	115.043	114.553
Ba 389.178	121.952	121.989	122.081
Be 313.042	0.0112u	0.0154u	0.0189u
Ca 370.602	34788	34793	34795
Cd 226.502	-0.0784u	0.0070u	-0.1719u
Co 228.615	0.7522	0.4050	0.9581
Cr 267.716	2.3540	1.8823	2.0732
Cu 324.754	1.5748	1.4910	1.6059
Fe 271.441	501.404	497.131	497.187
K 766.491	60921.2x	60876.4x	60956.1x
Mg 279.078	5723.50	5715.09	5707.66
Mn 257.610	1639.04	1637.86	1637.85
Mo 202.032	2.6189	1.8533	2.2620
Na 330.237	462160x	463167x	463305x
Ni 231.604	3.5344	2.5996	3.1722
Pb 220.353	0.8167	3.3716	-0.7199u
Sb 206.834	0.1862	-4.1879u	5.0124
Se 196.026	18.4692	15.6280	3.6993
Sn 189.925	-0.7025u	-2.1911u	2.1030
Sr 216.596	184.917	184.589	184.653
Ti 334.941	12.1971	12.2639	12.4090
Tl 190.794	-3.7036u	9.2828	1.1386u
V 292.401	4.0418	3.7726	3.8100
Zn 206.200	33.9235	32.2338	35.8711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5252b	ppb	0.2796	53.2	-104.177
Al 308.215	1122.43b	ppb	1.8662	0.2	6801.61
As 188.980	0.8758b	ppb	5.9058	674.3	0.4183
B 249.678	114.969b	ppb	0.3842	0.3	1280.67
Ba 389.178	122.007b	ppb	0.0663	0.1	2999.10
Be 313.042	0.0152b	ppb	0.0039	25.5	-229.604
Ca 370.602	34792b	ppb	3.640	0.0	114735
Cd 226.502	-0.0811b	ppb	0.0894	110.3	6.6735
Co 228.615	0.7051b	ppb	0.2795	39.6	20.4442
Cr 267.716	2.1032b	ppb	0.2373	11.3	108.617
Cu 324.754	1.5573b	ppb	0.0594	3.8	187.176
Fe 271.441	498.574b	ppb	2.4509	0.5	851.615
K 766.491	60917.9xb	ppb	39.9572	0.1	3068807
Mg 279.078	5715.41b	ppb	7.9254	0.1	11906.1
Mn 257.610	1638.25b	ppb	0.6792	0.0	377402
Mo 202.032	2.2447b	ppb	0.3831	17.1	24.0782
Na 330.237	462877xb	ppb	625.094	0.1	23889.6
Ni 231.604	3.1021b	ppb	0.4713	15.2	10.4435
Pb 220.353	1.1562b	ppb	2.0668	178.8	5.7492
Sb 206.834	0.3369b	ppb	4.6020	1365.9	1.7787
Se 196.026	12.5988b	ppb	7.8370	62.2	5.4594
Sn 189.925	-0.2635b	ppb	2.1805	827.5	-1.3557
Sr 216.596	184.720b	ppb	0.1741	0.1	1811.17
Ti 334.941	12.2900b	ppb	0.1083	0.9	3151.36
Tl 190.794	2.2393b	ppb	6.5628	293.1	-1.3445
V 292.401	3.8748b	ppb	0.1459	3.8	108.715
Zn 206.200	34.0095b	ppb	1.8202	5.4	55.5301

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680-88541-a-3-a (Samp) 3/27/2013, 1:50:22 PM Rack 1, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4931u	-0.0493u	-0.0006u
Al 308.215	427.150	425.018	428.364
As 188.980	-0.6602u	0.8163	1.2499
B 249.678	117.725	118.114	116.775
Ba 389.178	47.7562	47.1386	47.2275
Be 313.042	0.0248	0.0204	0.0254
Ca 370.602	37268	37289	37324
Cd 226.502	108.567	108.463	108.436
Co 228.615	0.7714	1.2289	0.9649
Cr 267.716	62.7937	62.9118	63.3617
Cu 324.754	21.1735	21.3179	21.4223
Fe 271.441	1188.38	1178.19	1180.45
K 766.491	28697.3	28604.4	28575.2
Mg 279.078	2193.27	2200.60	2202.24
Mn 257.610	103.693	103.626	103.598
Mo 202.032	103.031	102.716	103.942
Na 330.237	32886.2	32831.8	33044.4
Ni 231.604	11.4321	12.5969	12.0343
Pb 220.353	-1.1599u	1.5861	2.5171
Sb 206.834	-7.3939u	-4.5060u	-0.4690u
Se 196.026	6.7340	7.6119	-4.8929u
Sn 189.925	4.3995	3.5785	-0.6261u
Sr 216.596	237.108	239.821	237.888
Ti 334.941	5.7826	5.7549	5.7755
Tl 190.794	1.7707	0.2949	3.9526
V 292.401	1.3072	1.1341	0.7546u
Zn 206.200	69.8768	72.1416	68.1984

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1810	ppb	0.2714	149.9	-88.9411
Al 308.215	426.844	ppb	1.6940	0.4	2764.89
As 188.980	0.4687	ppb	1.0013	213.7	0.1550
B 249.678	117.538	ppb	0.6889	0.6	1304.23
Ba 389.178	47.3741	ppb	0.3339	0.7	1148.15
Be 313.042	0.0235	ppb	0.0027	11.5	-173.408
Ca 370.602	37294	ppb	27.98	0.1	122882
Cd 226.502	108.488	ppb	0.0692	0.1	4092.12
Co 228.615	0.9884	ppb	0.2297	23.2	20.2917
Cr 267.716	63.0224	ppb	0.2997	0.5	2754.24
Cu 324.754	21.3046	ppb	0.1249	0.6	1163.21
Fe 271.441	1182.34	ppb	5.3537	0.5	2014.60
K 766.491	28625.6	ppb	63.7159	0.2	1442158
Mg 279.078	2198.70	ppb	4.7743	0.2	4604.31
Mn 257.610	103.639	ppb	0.0488	0.0	23944.0
Mo 202.032	103.230	ppb	0.6366	0.6	694.202
Na 330.237	32920.8	ppb	110.464	0.3	1698.19
Ni 231.604	12.0211	ppb	0.5825	4.8	33.7834
Pb 220.353	0.9811	ppb	1.9117	194.9	5.0139
Sb 206.834	-4.1230	ppb	3.4783	84.4	-3.0905
Se 196.026	3.1510	ppb	6.9800	221.5	0.4421
Sn 189.925	2.4506	ppb	2.6959	110.0	0.6096
Sr 216.596	238.272	ppb	1.3970	0.6	2329.91
Ti 334.941	5.7710	ppb	0.0144	0.2	1442.93
Tl 190.794	2.0061	ppb	1.8402	91.7	-0.0213
V 292.401	1.0653	ppb	0.2826	26.5	8.8286
Zn 206.200	70.0723	ppb	1.9788	2.8	811.742

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680-88462-i-1-c (Samp) 3/27/2013, 1:55:46 PM Rack 1, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0852u	-0.5209u	-0.7321u
Al 308.215	491.425	496.997	496.320
As 188.980	0.2585	-0.8739	-0.2980
B 249.678	1553.21	1561.71	1570.73
Ba 389.178	38.2976	39.2422	38.0913
Be 313.042	-0.0896	-0.1036u	-0.0973u
Ca 370.602	530741	531374	530841
Cd 226.502	0.3956	0.3182	0.2897
Co 228.615	5.2675	5.6787	4.7252
Cr 267.716	15.2101	15.0717	15.2153
Cu 324.754	65.5783	64.4178	63.7863
Fe 271.441	4691.68	4666.80	4654.74
K 766.491	34941.4	34752.3	34561.2
Mg 279.078	9559.28	9571.42	9567.31
Mn 257.610	184.406	184.186	183.948
Mo 202.032	3.5133	2.4669	3.3496
Na 330.237	54728.8	54696.8	54677.5
Ni 231.604	19.8324	20.1245	18.5277
Pb 220.353	12.7567	13.6656	13.4699
Sb 206.834	-0.4512u	-1.7487u	4.3034
Se 196.026	-1.3157u	2.1732	2.6717
Sn 189.925	5.2959	6.8894	0.6620
Sr 216.596	2091.32	2101.58	2101.59
Ti 334.941	20.5868	20.5163	20.5089
Tl 190.794	6.2657	5.5641	-5.2472u
V 292.401	5.5658	4.7487	5.2917
Zn 206.200	1508.59	1514.70	1511.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7794	ppb	0.2851	36.6	-212.447
Al 308.215	494.914	ppb	3.0402	0.6	3147.64
As 188.980	-0.3045	ppb	0.5662	186.0	3.8177
B 249.678	1561.88	ppb	8.7619	0.6	14935.3
Ba 389.178	38.5437	ppb	0.6136	1.6	955.311
Be 313.042	-0.0968	ppb	0.0070	7.2	-219.462
Ca 370.602	530985	ppb	340.5	0.1	1750641
Cd 226.502	0.3345	ppb	0.0548	16.4	34.8814
Co 228.615	5.2238	ppb	0.4782	9.2	73.6108
Cr 267.716	15.1657	ppb	0.0814	0.5	667.318
Cu 324.754	64.5942	ppb	0.9089	1.4	3294.53
Fe 271.441	4671.07	ppb	18.8360	0.4	7948.11
K 766.491	34751.6	ppb	190.089	0.5	1750739
Mg 279.078	9566.00	ppb	6.1761	0.1	19951.8
Mn 257.610	184.180	ppb	0.2295	0.1	42550.4
Mo 202.032	3.1099	ppb	0.5629	18.1	29.6261
Na 330.237	54701.0	ppb	25.8787	0.0	2810.29
Ni 231.604	19.4949	ppb	0.8502	4.4	53.4030
Pb 220.353	13.2974	ppb	0.4784	3.6	25.4940
Sb 206.834	0.7012	ppb	3.1863	454.4	2.3207
Se 196.026	1.1764	ppb	2.1726	184.7	-0.4887
Sn 189.925	4.2824	ppb	3.2350	75.5	2.2332
Sr 216.596	2098.17	ppb	5.9262	0.3	20498.7
Ti 334.941	20.5373	ppb	0.0430	0.2	5382.28
Tl 190.794	2.1942	ppb	6.4540	294.1	-0.0624
V 292.401	5.2021	ppb	0.4159	8.0	148.651
Zn 206.200	1511.54	ppb	3.0596	0.2	2366.31

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88527-c-34-a (Samp) 3/27/2013, 2:01:12 PM Rack 1, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0991u	0.0611	-0.0923u
Al 308.215	1.7978	-1.3755u	0.4463
As 188.980	-2.1503u	3.3339	-3.6416u
B 249.678	20.9943	17.7163	13.3792
Ba 389.178	0.1444	1.6571	0.1081
Be 313.042	-0.0116u	-0.0062u	-0.0118u
Ca 370.602	41.43	45.87	49.19
Cd 226.502	-0.1526u	-0.1404u	-0.0656u
Co 228.615	0.1719	0.1558	0.3502
Cr 267.716	0.3720	0.0680	0.2349
Cu 324.754	1.3624	0.0725	0.2480
Fe 271.441	0.1032	-3.8781u	-0.1568u
K 766.491	3.4640	3.7111	3.8543
Mg 279.078	3.2056	1.2783	4.3616
Mn 257.610	0.1806	0.1496	0.2428
Mo 202.032	0.7022	0.2716	-0.2208u
Na 330.237	-29.0107u	144.050	-172.371u
Ni 231.604	1.4654	-0.4458u	0.0575
Pb 220.353	-1.4856u	-0.8150u	-1.3542u
Sb 206.834	-0.2524u	2.2055	-3.5143u
Se 196.026	0.9277	-5.5151u	4.3398
Sn 189.925	-0.2353u	4.0654	-1.0212u
Sr 216.596	0.0202	-0.0557u	0.1782
Ti 334.941	0.2851	0.2327	0.1677
Tl 190.794	0.5106	3.8322	-5.0419u
V 292.401	-0.2471u	-0.2723u	0.0552
Zn 206.200	0.5566	-0.9299u	0.5615

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0434	ppb	0.0906	208.6	-69.2642
Al 308.215	0.2895	ppb	1.5924	550.0	267.127
As 188.980	-0.8193	ppb	3.6733	448.3	-0.9160
B 249.678	17.3633	ppb	3.8198	22.0	359.658
Ba 389.178	0.6365	ppb	0.8840	138.9	-14.3011
Be 313.042	-0.0099	ppb	0.0032	32.2	-230.000
Ca 370.602	45.50	ppb	3.895	8.6	143.9
Cd 226.502	-0.1195	ppb	0.0471	39.4	6.6037
Co 228.615	0.2260	ppb	0.1079	47.7	14.5292
Cr 267.716	0.2250	ppb	0.1522	67.7	12.4798
Cu 324.754	0.5609	ppb	0.6996	124.7	137.918
Fe 271.441	-1.3105	ppb	2.2273	170.0	1.4114
K 766.491	3.6765	ppb	0.1974	5.4	391.008
Mg 279.078	2.9485	ppb	1.5577	52.8	31.4760
Mn 257.610	0.1910	ppb	0.0475	24.9	102.740
Mo 202.032	0.2510	ppb	0.4619	184.0	10.8767
Na 330.237	-19.1103	ppb	158.443	829.1	-0.9947
Ni 231.604	0.3591	ppb	0.9906	275.9	3.2589
Pb 220.353	-1.2183	ppb	0.3554	29.2	1.5074
Sb 206.834	-0.5204	ppb	2.8693	551.4	0.9778
Se 196.026	-0.0825	ppb	5.0045	6062.5	-1.1800
Sn 189.925	0.9363	ppb	2.7382	292.4	-0.5931
Sr 216.596	0.0476	ppb	0.1194	250.9	8.8560
Ti 334.941	0.2285	ppb	0.0588	25.7	-31.4155
Tl 190.794	-0.2331	ppb	4.4836	1923.9	-1.3836
V 292.401	-0.1548	ppb	0.1822	117.8	-0.4876
Zn 206.200	0.0628	ppb	0.8597	1370.0	8.24448

680-88541-a-5-a (Samp) 3/27/2013, 2:06:37 PM Rack 1, Tube 33

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5681u	-0.5921u	-1.0957u
Al 308.215	645.447	647.888	647.664
As 188.980	0.3623	-0.4604u	0.2345
B 249.678	88.7732	88.5233	89.9305
Ba 389.178	28.6691	29.0231	28.6087
Be 313.042	0.0413	0.0451	0.0426
Ca 370.602	8788	8788	8788
Cd 226.502	-0.1152u	0.1042	0.0842
Co 228.615	0.0015	0.1282	0.1872
Cr 267.716	0.8866	0.8545	0.6709
Cu 324.754	47.9023	49.3333	48.6244
Fe 271.441	821.526	818.932	820.102
K 766.491	4870.34	4894.69	4878.14
Mg 279.078	1365.99	1370.99	1375.91
Mn 257.610	38.0412	38.0494	38.0555
Mo 202.032	-0.0217u	0.0265	-0.1883u
Na 330.237	15428.0	15224.3	15798.2
Ni 231.604	1.9623	0.6130	-0.1615u
Pb 220.353	2.1747	2.2191	2.8740
Sb 206.834	-1.9511u	-0.0275	-1.4657u
Se 196.026	-4.0171u	3.3178	1.0709
Sn 189.925	-0.0395u	2.7358	0.3159
Sr 216.596	21.6357	20.9616	20.8852
Ti 334.941	4.2567	4.2176	4.0929
Tl 190.794	4.1799	3.9372	-3.5960u
V 292.401	2.3161	2.1088	1.9930
Zn 206.200	70.9930	73.0237	73.3194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7520	ppb	0.2979	39.6	-119.900
Al 308.215	647.000	ppb	1.3489	0.2	4032.88
As 188.980	0.0455	ppb	0.4427	973.7	-0.3156
B 249.678	89.0757	ppb	0.7508	0.8	1035.85
Ba 389.178	28.7670	ppb	0.2239	0.8	685.306
Be 313.042	0.0430	ppb	0.0019	4.5	-125.335
Ca 370.602	8788	ppb	0.1548	0.0	28907
Cd 226.502	0.0244	ppb	0.1213	497.2	13.9389
Co 228.615	0.1056	ppb	0.0949	89.9	13.2119
Cr 267.716	0.8040	ppb	0.1164	14.5	38.3275
Cu 324.754	48.6200	ppb	0.7155	1.5	2506.23
Fe 271.441	820.187	ppb	1.2989	0.2	1398.54
K 766.491	4881.06	ppb	12.4301	0.3	246078
Mg 279.078	1370.97	ppb	4.9564	0.4	2880.80
Mn 257.610	38.0487	ppb	0.0072	0.0	8831.71
Mo 202.032	-0.0612	ppb	0.1127	184.3	8.7640
Na 330.237	15483.5	ppb	290.951	1.9	798.308
Ni 231.604	0.8046	ppb	1.0748	133.6	4.4413
Pb 220.353	2.4226	ppb	0.3916	16.2	7.5148
Sb 206.834	-1.1481	ppb	1.0004	87.1	0.4197
Se 196.026	0.1238	ppb	3.7580	3034.5	-1.0645
Sn 189.925	1.0040	ppb	1.5102	150.4	-0.5318
Sr 216.596	21.1608	ppb	0.4130	2.0	215.654
Ti 334.941	4.1890	ppb	0.0855	2.0	1021.86
Tl 190.794	1.5070	ppb	4.4210	293.4	-0.2540
V 292.401	2.1393	ppb	0.1637	7.7	64.0048
Zn 206.200	72.4454	ppb	1.2665	1.7	815.647

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680-88541-a-5-b ms (Samp) 3/27/2013, 2:12:03 PM Rack 1, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.1576	8.9155	9.1803
Al 308.215	5554.53	5571.68	5542.42
As 188.980	103.346	103.817	108.168
B 249.678	283.701	287.452	288.241
Ba 389.178	131.340	131.005	130.472
Be 313.042	51.2300	51.4057	50.9932
Ca 370.602	13750	13784	13636
Cd 226.502	49.3802	49.9032	49.6612
Co 228.615	50.6998	50.7612	51.0908
Cr 267.716	99.2178	99.6257	97.8125
Cu 324.754	152.411	151.011	151.008
Fe 271.441	5832.00	5857.90	5827.64
K 766.491	10087.8	10111.4	10078.4
Mg 279.078	6300.22	6339.74	6286.29
Mn 257.610	549.970	551.619	547.970
Mo 202.032	98.4298	99.5116	98.9002
Na 330.237	20309.4	20332.0	20387.0
Ni 231.604	102.220	101.431	101.253
Pb 220.353	53.1296	53.4553	48.3798
Sb 206.834	47.1528	45.1722	47.8764
Se 196.026	97.7360	97.2608	95.0583
Sn 189.925	195.739	201.543	202.613
Sr 216.596	121.554	120.365	119.622
Ti 334.941	102.963	102.960	101.817
Tl 190.794	36.6008	41.3883	35.6980
V 292.401	103.475	103.405	104.079
Zn 206.200	167.506	171.284	173.590

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.0845	ppb	0.1467	1.6	570.637
Al 308.215	5556.21	ppb	14.7018	0.3	32631.0
As 188.980	105.110	ppb	2.6588	2.5	64.6667
B 249.678	286.465	ppb	2.4256	0.8	2894.46
Ba 389.178	130.939	ppb	0.4379	0.3	3230.11
Be 313.042	51.2096	ppb	0.2070	0.4	100294
Ca 370.602	13723	ppb	77.71	0.6	44795
Cd 226.502	49.6482	ppb	0.2618	0.5	1891.70
Co 228.615	50.8506	ppb	0.2102	0.4	608.724
Cr 267.716	98.8853	ppb	0.9512	1.0	4322.26
Cu 324.754	151.477	ppb	0.8092	0.5	7577.63
Fe 271.441	5839.18	ppb	16.3580	0.3	9942.75
K 766.491	10092.6	ppb	17.0156	0.2	508596
Mg 279.078	6308.75	ppb	27.7300	0.4	13159.0
Mn 257.610	549.853	ppb	1.8271	0.3	126748
Mo 202.032	98.9472	ppb	0.5424	0.5	665.393
Na 330.237	20342.8	ppb	39.9247	0.2	1046.08
Ni 231.604	101.635	ppb	0.5144	0.5	268.250
Pb 220.353	51.6549	ppb	2.8410	5.5	88.6410
Sb 206.834	46.7338	ppb	1.3999	3.0	45.2538
Se 196.026	96.6850	ppb	1.4287	1.5	46.5696
Sn 189.925	199.965	ppb	3.6989	1.8	154.122
Sr 216.596	120.514	ppb	0.9744	0.8	1181.06
Ti 334.941	102.580	ppb	0.6612	0.6	27091.3
Tl 190.794	37.8957	ppb	3.0582	8.1	24.0764
V 292.401	103.653	ppb	0.3704	0.4	2894.74
Zn 206.200	170.794	ppb	3.0714	1.8	269.157

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

680-88541-a-5-c msd (Samp) 3/27/2013, 2:17:29 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.4138	8.4862	9.1242
Al 308.215	5700.19	5697.67	5715.99
As 188.980	109.747	106.511	104.276
B 249.678	290.115	292.219	295.022
Ba 389.178	132.269	132.354	132.557
Be 313.042	51.9311	51.8969	52.0275
Ca 370.602	13855	13881	13893
Cd 226.502	49.5796	49.7194	50.3452
Co 228.615	51.9704	51.5434	51.6661
Cr 267.716	100.507	100.394	100.585
Cu 324.754	152.808	154.229	152.701
Fe 271.441	6004.65	6003.21	6037.75
K 766.491	10171.1	10174.7	10248.5
Mg 279.078	6378.67	6374.48	6404.01
Mn 257.610	557.538	557.072	558.679
Mo 202.032	99.8534	101.196	100.346
Na 330.237	20655.9	20647.2	20652.7
Ni 231.604	101.457	100.801	102.051
Pb 220.353	52.3341	51.9860	51.7750
Sb 206.834	55.1355	49.9607	50.5936
Se 196.026	103.742	108.547	104.599
Sn 189.925	204.305	203.539	202.523
Sr 216.596	122.119	122.253	121.894
Ti 334.941	105.246	105.335	105.416
Tl 190.794	40.3090	44.9975	47.8021
V 292.401	104.971	104.703	105.076
Zn 206.200	171.201	174.717	174.040

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.6747	ppb	0.3909	4.5	541.810
Al 308.215	5704.62	ppb	9.9319	0.2	33495.3
As 188.980	106.844	ppb	2.7504	2.6	65.7389
B 249.678	292.452	ppb	2.4618	0.8	2950.80
Ba 389.178	132.393	ppb	0.1480	0.1	3266.51
Be 313.042	51.9518	ppb	0.0677	0.1	101751
Ca 370.602	13876	ppb	19.12	0.1	45286
Cd 226.502	49.8814	ppb	0.4077	0.8	1900.90
Co 228.615	51.7266	ppb	0.2198	0.4	619.028
Cr 267.716	100.495	ppb	0.0964	0.1	4392.62
Cu 324.754	153.246	ppb	0.8530	0.6	7664.88
Fe 271.441	6015.20	ppb	19.5397	0.3	10242.1
K 766.491	10198.1	ppb	43.6789	0.4	513914
Mg 279.078	6385.72	ppb	15.9789	0.3	13319.2
Mn 257.610	557.763	ppb	0.8266	0.1	128571
Mo 202.032	100.465	ppb	0.6790	0.7	675.456
Na 330.237	20651.9	ppb	4.3881	0.0	1061.94
Ni 231.604	101.437	ppb	0.6252	0.6	267.735
Pb 220.353	52.0317	ppb	0.2823	0.5	89.2594
Sb 206.834	51.8966	ppb	2.8228	5.4	50.0748
Se 196.026	105.629	ppb	2.5626	2.4	50.9706
Sn 189.925	203.455	ppb	0.8938	0.4	156.836
Sr 216.596	122.089	ppb	0.1815	0.1	1196.44
Ti 334.941	105.332	ppb	0.0851	0.1	27820.2
Tl 190.794	44.3695	ppb	3.7858	8.5	28.5091
V 292.401	104.917	ppb	0.1921	0.2	2929.95
Zn 206.200	173.319	ppb	1.8656	1.1	273.103

E03262013A.wvq. All Data Report 3/28/2013, 2:06:02 PM

CRI (Samp) 3/27/2013, 2:22:55 PM **Rack 1, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.3923	10.9969	10.4670
Al 308.215	209.205	212.173	205.834
As 188.980	18.9298	22.3396	16.8967
B 249.678	99.7907	97.9674	100.876
Ba 389.178	11.8862	10.4741	10.6953
Be 313.042	4.2677	4.2620	4.2611
Ca 370.602	534.9	532.3	532.2
Cd 226.502	5.0507	5.4268	5.1256
Co 228.615	10.8506	11.1079	10.7603
Cr 267.716	9.9690	10.0535	10.1697
Cu 324.754	20.9850	20.7949	20.6719
Fe 271.441	53.2272	63.3719	52.3651
K 766.491	1039.35	1045.62	1047.40
Mg 279.078	534.449	537.247	540.200
Mn 257.610	11.1825	11.2305	11.1742
Mo 202.032	9.7930	9.5037	9.6164
Na 330.237	1212.35	1015.97	1058.46
Ni 231.604	41.6531	42.1085	42.5998
Pb 220.353	8.8991	7.0403	7.7452
Sb 206.834	18.0259	17.7826	16.3126
Se 196.026	24.8016	20.8426	20.2347
Sn 189.925	55.2881	48.5767	53.0384
Sr 216.596	10.4578	10.7929	10.0336
Ti 334.941	10.1945	10.2902	10.1813
Tl 190.794	30.2439	25.0019	26.7042
V 292.401	10.5400	10.1241	10.5194
Zn 206.200	23.5478	23.0643	24.8289

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.9520	ppb	0.4643	4.2	704.000
Al 308.215	209.071	ppb	3.1714	1.5	1483.97
As 188.980	19.3887	ppb	2.7503	14.2	11.5905
B 249.678	99.5446	ppb	1.4698	1.5	1135.38
Ba 389.178	11.0185	ppb	0.7595	6.9	243.693
Be 313.042	4.2636	ppb	0.0036	0.1	8156.66
Ca 370.602	533.1	ppb	1.577	0.3	1749
Cd 226.502	5.2010	ppb	0.1991	3.8	206.762
Co 228.615	10.9063	ppb	0.1804	1.7	139.949
Cr 267.716	10.0641	ppb	0.1008	1.0	441.973
Cu 324.754	20.8173	ppb	0.1577	0.8	1136.22
Fe 271.441	56.3214	ppb	6.1211	10.9	101.170
K 766.491	1044.12	ppb	4.2242	0.4	52801.1
Mg 279.078	537.299	ppb	2.8758	0.5	1144.46
Mn 257.610	11.1957	ppb	0.0304	0.3	2640.41
Mo 202.032	9.6377	ppb	0.1458	1.5	73.1473
Na 330.237	1095.60	ppb	103.323	9.4	56.2624
Ni 231.604	42.1205	ppb	0.4734	1.1	112.480
Pb 220.353	7.8949	ppb	0.9384	11.9	16.5347
Sb 206.834	17.3737	ppb	0.9269	5.3	17.6810
Se 196.026	21.9596	ppb	2.4799	11.3	9.6613
Sn 189.925	52.3011	ppb	3.4159	6.5	39.3329
Sr 216.596	10.4281	ppb	0.3805	3.6	109.097
Ti 334.941	10.2220	ppb	0.0594	0.6	2616.48
Tl 190.794	27.3167	ppb	2.6741	9.8	17.5326
V 292.401	10.3945	ppb	0.2344	2.3	293.838
Zn 206.200	23.8137	ppb	0.9418	3.8	29.5603

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Cont Calib Verif (Samp) 3/27/2013, 2:28:20 PM Rack 1, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.287	506.947	504.314
Al 308.215	4967.09	4965.04	4965.79
As 188.980	445.182	454.152	449.631
B 249.678	2470.46	2491.20	2518.97
Ba 389.178	4932.83	4934.90	4940.44
Be 313.042	491.319	491.604	491.527
Ca 370.602	4910	4908	4914
Cd 226.502	478.671	478.602	479.176
Co 228.615	489.268	490.080	491.682
Cr 267.716	4764.80	4758.40	4768.57
Cu 324.754	4776.44	4840.65	4904.61
Fe 271.441	4960.38	4966.21	4956.37
K 766.491	9987.64	10018.5	10037.4
Mg 279.078	4894.52	4894.67	4910.44
Mn 257.610	4953.37	4944.15	4951.56
Mo 202.032	480.642	481.508	480.778
Na 330.237	7455.57	7263.55	7180.12
Ni 231.604	2461.04	2464.23	2478.59
Pb 220.353	479.572	484.576	485.409
Sb 206.834	921.677	927.221	940.662
Se 196.026	4857.20	4838.06	4861.79
Sn 189.925	4910.61	5018.12	4922.82
Sr 216.596	2414.86	2407.20	2411.98
Ti 334.941	483.940	482.842	484.332
Tl 190.794	4859.05	4833.42	4820.52
V 292.401	4887.89	4879.31	4891.65
Zn 206.200	2431.73	2430.52	2428.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	504.183	ppb	2.8325	0.6	35353.9
Al 308.215	4965.97	ppb	1.0326	0.0	29158.9
As 188.980	449.655	ppb	4.4850	1.0	277.718
B 249.678	2493.54	ppb	24.3420	1.0	23729.5
Ba 389.178	4936.06	ppb	3.9319	0.1	121884
Be 313.042	491.483	ppb	0.1477	0.0	964293
Ca 370.602	4911	ppb	2.860	0.1	16052
Cd 226.502	478.816	ppb	0.3134	0.1	18023.1
Co 228.615	490.343	ppb	1.2280	0.3	5781.82
Cr 267.716	4763.92	ppb	5.1446	0.1	207953
Cu 324.754	4840.57	ppb	64.0857	1.3	238595
Fe 271.441	4960.99	ppb	4.9489	0.1	8561.66
K 766.491	10014.5	ppb	25.0978	0.3	504663
Mg 279.078	4899.88	ppb	9.1469	0.2	10154.5
Mn 257.610	4949.69	ppb	4.8854	0.1	1140083
Mo 202.032	480.976	ppb	0.4658	0.1	3192.40
Na 330.237	7299.75	ppb	141.246	1.9	353.202
Ni 231.604	2467.95	ppb	9.3476	0.4	6456.92
Pb 220.353	483.186	ppb	3.1572	0.7	801.404
Sb 206.834	929.853	ppb	9.7627	1.0	911.382
Se 196.026	4852.35	ppb	12.5847	0.3	2386.03
Sn 189.925	4950.52	ppb	58.8642	1.2	3846.68
Sr 216.596	2411.35	ppb	3.8676	0.2	23448.5
Ti 334.941	483.704	ppb	0.7723	0.2	127985
Tl 190.794	4837.66	ppb	19.6114	0.4	3318.49
V 292.401	4886.29	ppb	6.3233	0.1	137046
Zn 206.200	2430.24	ppb	1.6533	0.1	2788.42

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Cont Calib Blank (Samp) 3/27/2013, 2:33:44 PM Rack 1, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3751u	-0.1492u	0.3203
Al 308.215	-2.9585u	-2.5201u	-4.0358u
As 188.980	-8.8567u	-5.5838u	-3.7831u
B 249.678	50.4397	43.3409	39.4481
Ba 389.178	0.3584	1.0541	0.8500
Be 313.042	0.0006	-0.0002u	-0.0038u
Ca 370.602	0.3825	1.167	1.801
Cd 226.502	-0.1341u	0.0169	0.0057
Co 228.615	0.9197	0.3950	0.1071
Cr 267.716	0.0824	0.1435	0.1024
Cu 324.754	-0.6192u	0.3506	0.3633
Fe 271.441	-2.3214u	3.1546	2.9694
K 766.491	0.1095	0.3761	0.3009
Mg 279.078	-2.5868u	-4.3626u	3.0214
Mn 257.610	0.0657	0.0689	0.0342
Mo 202.032	1.0508	0.1107	0.9853
Na 330.237	-52.7138u	-120.539u	192.899
Ni 231.604	-0.1711u	-0.1158u	-1.4178u
Pb 220.353	-2.2601u	-0.4005u	-2.8611u
Sb 206.834	5.1318	1.4896	6.6990
Se 196.026	8.7232	-3.3841u	5.7871
Sn 189.925	1.0525	2.5766	2.3860
Sr 216.596	0.1111	0.9052	-0.5636u
Ti 334.941	0.0465	0.1105	0.0401
Tl 190.794	3.4361	0.3802	1.6102
V 292.401	-0.0982u	0.1139	-0.0193u
Zn 206.200	-0.4944u	0.1682	0.7502

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0680	ppb	0.3548	521.8	-70.9970
Al 308.215	-3.1715	ppb	0.7800	24.6	246.999
As 188.980	-6.0745	ppb	2.5722	42.3	-4.1686
B 249.678	44.4096	ppb	5.5732	12.5	614.969
Ba 389.178	0.7542	ppb	0.3576	47.4	-11.4069
Be 313.042	-0.0011	ppb	0.0024	207.9	-212.911
Ca 370.602	1.117	ppb	0.7105	63.6	-2.484
Cd 226.502	-0.0372	ppb	0.0842	226.4	9.7000
Co 228.615	0.4739	ppb	0.4120	86.9	17.4306
Cr 267.716	0.1094	ppb	0.0312	28.5	7.4323
Cu 324.754	0.0316	ppb	0.5636	1785.6	111.837
Fe 271.441	1.2675	ppb	3.1095	245.3	5.8558
K 766.491	0.2622	ppb	0.1374	52.4	219.021
Mg 279.078	-1.3093	ppb	3.8542	294.4	22.6089
Mn 257.610	0.0562	ppb	0.0192	34.1	71.6709
Mo 202.032	0.7156	ppb	0.5249	73.4	13.9597
Na 330.237	6.5490	ppb	164.909	2518.1	0.3294
Ni 231.604	-0.5682	ppb	0.7363	129.6	0.8339
Pb 220.353	-1.8405	ppb	1.2828	69.7	0.4795
Sb 206.834	4.4402	ppb	2.6727	60.2	5.6014
Se 196.026	3.7087	ppb	6.3156	170.3	0.6842
Sn 189.925	2.0050	ppb	0.8304	41.4	0.2376
Sr 216.596	0.1509	ppb	0.7352	487.3	9.8734
Ti 334.941	0.0657	ppb	0.0389	59.2	-74.5307
Tl 190.794	1.8088	ppb	1.5376	85.0	0.0193
V 292.401	-0.0012	ppb	0.1072	9153.5	3.7975
Zn 206.200	0.1413	ppb	0.6228	440.6	2.5682

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Blank (Blk)	3/26/2013, 2:06:35 PM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	0.0538	-0.3562	0.3024
Al 308.215	-1.1068	-0.1589	1.2657
As 188.980	0.8860	-2.2961	1.4101
B 249.678	-0.5148	0.4740	0.0408
Ba 389.178	-0.7233	0.8652	-0.1420
Be 313.042	-0.0007	0.0027	-0.0021
Ca 370.602	3.561	-6.910	3.349
Cd 226.502	0.1470	-0.1113	-0.0356
Co 228.615	0.3022	0.0340	-0.3363
Cr 267.716	-0.1628	0.0779	0.0849
Cu 324.754	-0.2642	0.4273	-0.1631
Fe 271.441	-0.5191	1.1714	-0.6523
K 766.491	-0.3356	-0.0192	0.3547
Mg 279.078	-1.1689	0.8847	0.2842
Mn 257.610	-0.0194	-0.0138	0.0332
Mo 202.032	-0.7514	1.1175	-0.3661
Na 330.237	-60.7795	14.3091	46.4703
Ni 231.604	0.0492	-0.0870	0.0378
Pb 220.353	1.0947	-1.9132	0.8185
Sb 206.834	-0.0585	-0.6799	0.7384
Se 196.026	-0.1892	-1.1120	1.3012
Sn 189.925	0.2463	0.7283	-0.9746
Sr 216.596	-0.0896	-0.1007	0.1903
Ti 334.941	0.0399	-0.0339	-0.0060
Tl 190.794	0.5673	-4.1013	3.5341
V 292.401	0.0794	0.2035	-0.2829
Zn 206.200	-0.2014	-0.0474	0.2488

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	23.400	35.4	-66.1934
Al 308.215	0.0000	ppb	6.954	2.6	265.406
As 188.980	0.0000	ppb	1.241	303.2	-0.4093
B 249.678	0.0000	ppb	4.679	2.4	195.750
Ba 389.178	0.0000	ppb	19.845	66.1	-30.0205
Be 313.042	0.0000	ppb	4.808	2.3	-210.610
Ca 370.602	0.0000	ppb	19.736	308.7	-6.394
Cd 226.502	0.0000	ppb	4.992	45.0	11.1039
Co 228.615	0.0000	ppb	3.767	31.7	11.8750
Cr 267.716	0.0000	ppb	6.158	232.1	2.6535
Cu 324.754	0.0000	ppb	18.406	16.7	110.270
Fe 271.441	0.0000	ppb	1.729	46.8	3.6974
K 766.491	0.0000	ppb	17.407	8.5	205.814
Mg 279.078	0.0000	ppb	2.200	8.7	25.3371
Mn 257.610	0.0000	ppb	6.655	11.3	58.7376
Mo 202.032	0.0000	ppb	6.549	71.1	9.2107
Na 330.237	0.0000	ppb	2.841	34221.3	-0.0083
Ni 231.604	0.0000	ppb	0.198	8.5	2.3199
Pb 220.353	0.0000	ppb	2.746	78.0	3.5197
Sb 206.834	0.0000	ppb	0.663	45.3	1.4638
Se 196.026	0.0000	ppb	0.599	52.5	-1.1394
Sn 189.925	0.0000	ppb	0.682	51.7	-1.3209
Sr 216.596	0.0000	ppb	1.607	19.1	8.4066
Ti 334.941	0.0000	ppb	9.865	10.7	-91.9098
Tl 190.794	0.0000	ppb	2.644	216.2	-1.2232
V 292.401	0.0000	ppb	7.109	181.0	3.9265
Zn 206.200	0.0000	ppb	0.358	15.2	2.3475

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HIGH STD (Std) **3/26/2013, 2:10:00 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	995.524	1000.09	1004.39
Al 308.215	10014.5	10013.5	9971.98
As 188.980	1003.46	1007.88	988.654
B 249.678	4965.37	5012.66	5021.97
Ba 389.178	10008.5	10009.4	9982.10
Be 313.042	1000.91	999.973	999.119
Ca 370.602	10018	10004	9979
Cd 226.502	1001.72	1000.63	997.653
Co 228.615	999.154	1002.39	998.460
Cr 267.716	10028.3	9999.93	9971.82
Cu 324.754	9907.18	10011.8	10081.1
Fe 271.441	10017.1	10012.4	9970.54
K 766.491	19978.6	20027.2	19994.2
Mg 279.078	10009.7	10011.4	9978.92
Mn 257.610	10014.8	10018.0	9967.17
Mo 202.032	1001.86	1000.10	998.048
Na 330.237	15146.0	14954.5	14899.5
Ni 231.604	5008.28	5009.15	4982.57
Pb 220.353	1005.10	996.157	998.748
Sb 206.834	5009.36	5005.84	4984.80
Se 196.026	9982.80	10023.2	9994.01
Sn 189.925	10015.7	9981.03	10003.2
Sr 216.596	5020.80	4996.23	4982.96
Ti 334.941	1001.40	1000.31	998.293
Tl 190.794	10022.8	10021.6	9955.56
V 292.401	10002.0	10026.5	9971.45
Zn 206.200	5015.45	4994.98	4989.58

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	311.840	0.4	70292.8
Al 308.215	10000.0	ppb	141.362	0.2	58496.0
As 188.980	1000.00	ppb	6.232	1.0	618.431
B 249.678	5000.00	ppb	286.477	0.6	47394.6
Ba 389.178	10000.0	ppb	382.822	0.2	246885
Be 313.042	1000.00	ppb	1755.524	0.1	1962757
Ca 370.602	10000	ppb	64.533	0.2	32971
Cd 226.502	1000.00	ppb	79.142	0.2	37603.2
Co 228.615	1000.00	ppb	24.611	0.2	11760.8
Cr 267.716	10000.0	ppb	1232.113	0.3	436567
Cu 324.754	10000.0	ppb	4313.250	0.9	492859
Fe 271.441	10000.0	ppb	43.573	0.3	17009.8
K 766.491	20000.0	ppb	1251.241	0.1	1007661
Mg 279.078	10000.0	ppb	38.067	0.2	20858.2
Mn 257.610	10000.0	ppb	6557.687	0.3	2303198
Mo 202.032	1000.00	ppb	12.647	0.2	6645.34
Na 330.237	15000.0	ppb	6.679	0.9	774.175
Ni 231.604	5000.00	ppb	39.489	0.3	13078.9
Pb 220.353	1000.00	ppb	7.595	0.5	1655.01
Sb 206.834	5000.00	ppb	12.390	0.3	4665.75
Se 196.026	10000.0	ppb	10.254	0.2	4915.91
Sn 189.925	10000.0	ppb	13.666	0.2	7771.61
Sr 216.596	5000.00	ppb	187.044	0.4	48718.3
Ti 334.941	1000.00	ppb	417.158	0.2	264648
Tl 190.794	10000.0	ppb	26.441	0.4	6868.09
V 292.401	10000.0	ppb	775.888	0.3	281267
Zn 206.200	5000.00	ppb	21.347	0.3	7822.21

Ag 328.068 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-66.1934	0.0000	0.0000	-	-
HIGH STD		70292.8	1000.00	1000.00	0.0002	0.0

Curve Type: Linear Equation: $y = 70.4 x + -66.2$

Al 308.215 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		265.406	0.0000	0.0000	-	-
HIGH STD		58496.0	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 5.8 x + 265.4$

As 188.980 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.4093	0.0000	0.0000	-	-
HIGH STD		618.431	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.6 x + -0.4$

B 249.678 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		195.750	0.0000	0.0000	-	-
HIGH STD		47394.6	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 9.4 x + 195.8$

Ba 389.178 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-30.0205	0.0000	0.0000	-	-
HIGH STD		246885	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 24.7 x + -30.0$

Be 313.042 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-210.610	0.0000	0.0000	-	-
HIGH STD		1962757	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 1963.0 x + -210.6$

Ca 370.602 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.394	0.0000	0.0000	-	-
HIGH STD		32971	10000	10000	0.0000	0.0

Curve Type: Linear Equation: $y = 3.3 x + -6.4$

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Cd 226.502 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.1039	0.0000	0.0000	-	-
HIGH STD		37603.2	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 37.6 x + 11.1$ **Co 228.615 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.8750	0.0000	0.0000	-	-
HIGH STD		11760.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 11.7 x + 11.9$ **Cr 267.716 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.6535	0.0000	0.0000	-	-
HIGH STD		436567	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 43.7 x + 2.7$ **Cu 324.754 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		110.270	0.0000	0.0000	-	-
HIGH STD		492859	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 49.3 x + 110.3$ **Fe 271.441 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.6974	0.0000	0.0000	-	-
HIGH STD		17009.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.7 x + 3.7$ **K 766.491 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		205.814	0.0000	0.0000	-	-
HIGH STD		1007661	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: $y = 50.4 x + 205.8$ **Mg 279.078 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.3371	0.0000	0.0000	-	-
HIGH STD		20858.2	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.1 x + 25.3$

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Mn 257.610 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		58.7376	0.0000	0.0000	-	-
HIGH STD		2303198	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 230.3 x + 58.7$ **Mo 202.032 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.2107	0.0000	0.0000	-	-
HIGH STD		6645.34	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 6.6 x + 9.2$ **Na 330.237 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.0083	0.0000	0.0000	-	-
HIGH STD		774.175	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.1 x + 0.0$ **Ni 231.604 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3199	0.0000	0.0000	-	-
HIGH STD		13078.9	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 2.6 x + 2.3$ **Pb 220.353 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.5197	0.0000	0.0000	-	-
HIGH STD		1655.01	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.7 x + 3.5$ **Sb 206.834 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4638	0.0000	0.0000	-	-
HIGH STD		4665.75	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: $y = 0.9 x + 1.5$ **Se 196.026 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.1394	0.0000	0.0000	-	-
HIGH STD		4915.91	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + -1.1$

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Sn 189.925 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.3209	0.0000	0.0000	-	-
HIGH STD		7771.61	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.8 x + -1.3$ **Sr 216.596 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.4066	0.0000	0.0000	-	-
HIGH STD		48718.3	5000.00	5000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 9.7 x + 8.4$ **Ti 334.941 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-91.9098	0.0000	0.0000	-	-
HIGH STD		264648	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 264.7 x + -91.9$ **Tl 190.794 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.2232	0.0000	0.0000	-	-
HIGH STD		6868.09	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.7 x + -1.2$ **V 292.401 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.9265	0.0000	0.0000	-	-
HIGH STD		281267	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 28.1 x + 3.9$ **Zn 206.200 Calibration (ppb) 3/26/2013, 2:10:00 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3475	0.0000	0.0000	-	-
HIGH STD		7822.21	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.6 x + 2.3$ **Lab Control Sample (LCS) 3/26/2013, 2:13:24 PM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1005.61	1001.60	1008.77
Al 308.215	10021.1	10038.4	10040.9
As 188.980	1001.78	1011.14	1015.23
B 249.678	5180.86x	5206.73x	5229.95x
Ba 389.178	10014.2	10023.7	10013.4

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Label	Replicates Concentration		
Be 313.042	1002.85	1005.11	1002.74
Ca 370.602	9996	10003	9977
Cd 226.502	1001.74	1002.49	1004.34
Co 228.615	1003.50	1003.22	1005.38
Cr 267.716	10017.7	10002.0	10001.3
Cu 324.754	10063.4	9844.13	9791.09
Fe 271.441	10010.4	9999.38	10028.6
K 766.491	20117.3	20119.2	20129.6
Mg 279.078	9997.11	10004.8	10006.6
Mn 257.610	10013.1	10011.0	10019.4
Mo 202.032	1004.74	1000.55	1001.66
Na 330.237	14252.4	15054.0	14971.3
Ni 231.604	5009.50	5017.66	5017.25
Pb 220.353	997.688	999.445	997.018
Sb 206.834	5011.66x	5035.11x	5027.48x
Se 196.026	10037.8	10038.2	10002.6
Sn 189.925	10050.3	9892.70	9906.66
Sr 216.596	5004.85	4991.60	4992.82
Ti 334.941	1005.17	1002.64	1000.51
Tl 190.794	10011.2	10047.2	10041.8
V 292.401	10028.4	10041.8	10039.3
Zn 206.200	5007.10	5020.19	5018.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1005.33b	ppb	3.5932	0.4	70555.7	100.53274
Al 308.215	10033.5b	ppb	10.7941	0.1	58644.5	100.33476
As 188.980	1009.38b	ppb	6.8985	0.7	623.951	100.93819
B 249.678	5205.85xb	ppb	24.5588	0.5	49328.2	104.11691
Ba 389.178	10017.1b	ppb	5.7216	0.1	247379	100.17108
Be 313.042	1003.57b	ppb	1.3383	0.1	1969217	100.35680
Ca 370.602	9992b	ppb	13.62	0.1	32672	99.91884
Cd 226.502	1002.86b	ppb	1.3342	0.1	37735.5	100.28572
Co 228.615	1004.03b	ppb	1.1767	0.1	11826.1	100.40339
Cr 267.716	10007.0b	ppb	9.2846	0.1	436820	100.07006
Cu 324.754	9899.55b	ppb	144.382	1.5	487841	98.99551
Fe 271.441	10012.8b	ppb	14.7398	0.1	17279.0	100.12794
K 766.491	20122.0b	ppb	6.6225	0.0	1013808	100.61020
Mg 279.078	10002.8b	ppb	5.0313	0.1	20704.4	100.02823
Mn 257.610	10014.5b	ppb	4.3563	0.0	2306615	100.14475
Mo 202.032	1002.32b	ppb	2.1686	0.2	6642.94	100.23164
Na 330.237	14759.2b	ppb	440.892	3.0	713.542	98.39500
Ni 231.604	5014.80b	ppb	4.5955	0.1	13117.9	100.29610
Pb 220.353	998.050b	ppb	1.2536	0.1	1651.56	99.80505
Sb 206.834	5024.75xb	ppb	11.9607	0.2	4777.16	100.49503
Se 196.026	10026.2b	ppb	20.4401	0.2	4931.32	100.26213
Sn 189.925	9949.89b	ppb	87.2518	0.9	7732.67	99.49895
Sr 216.596	4996.42b	ppb	7.3193	0.1	48578.3	99.92849
Ti 334.941	1002.77b	ppb	2.3320	0.2	265425	100.27718
Tl 190.794	10033.4b	ppb	19.4215	0.2	6884.09	100.33384
V 292.401	10036.5b	ppb	7.1121	0.1	281478	100.36523
Zn 206.200	5015.15b	ppb	7.0408	0.1	7815.20	100.30295

Initial Calib Verif (ICV)

3/26/2013, 2:27:16 PM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1030.73x	1004.15	1015.85x
Al 308.215	961.642	955.341	958.213

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Label	Replicates Concentration		
As 188.980	980.603	964.324	994.012
B 249.678	1078.43	1079.44	1089.89
Ba 389.178	1021.69	1015.44	1017.70
Be 313.042	1032.26x	1024.70x	1026.62x
Ca 370.602	999.6	993.4	996.3
Cd 226.502	1019.07x	1011.99x	1017.36x
Co 228.615	990.492	981.374	978.753
Cr 267.716	1008.42	998.875	998.471
Cu 324.754	1024.47	995.799	1006.87
Fe 271.441	1009.69	996.258	1003.72
K 766.491	10052.1	10028.1	10096.3
Mg 279.078	1032.06	1025.66	1030.63
Mn 257.610	1032.80	1027.28	1030.19
Mo 202.032	1022.25x	1014.01x	1011.22x
Na 330.237	9697.17	9943.88	9474.34
Ni 231.604	1029.51	1023.41	1032.90
Pb 220.353	1030.31	1016.33	1024.45
Sb 206.834	1007.08	1002.88	1014.24
Se 196.026	1008.20	995.037	1011.96
Sn 189.925	5153.27	5099.17	5109.18
Sr 216.596	5046.34x	4993.50	4986.85
Ti 334.941	1015.38	1006.41	1002.98
Tl 190.794	1043.07	1030.61	1032.10
V 292.401	1020.02	1014.03	1015.81
Zn 206.200	1005.95	1000.92	1003.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1016.91xb	ppb	13.3181	1.3	71283.0	101.69085
Al 308.215	958.399b	ppb	3.1548	0.3	5963.94	95.83987
As 188.980	979.646b	ppb	14.8669	1.5	605.563	97.96465
B 249.678	1082.59b	ppb	6.3442	0.6	10414.1	108.25877Q
Ba 389.178	1018.27b	ppb	3.1669	0.3	25125.0	101.82745
Be 313.042	1027.86xb	ppb	3.9271	0.4	2017240	102.78587
Ca 370.602	996.4b	ppb	3.110	0.3	3420	99.64128
Cd 226.502	1016.14xb	ppb	3.6931	0.4	38212.6	101.61393
Co 228.615	983.540b	ppb	6.1621	0.6	11559.1	98.35398
Cr 267.716	1001.92b	ppb	5.6294	0.6	43731.4	100.19209
Cu 324.754	1009.04b	ppb	14.4585	1.4	49848.6	100.90441
Fe 271.441	1003.22b	ppb	6.7312	0.7	1871.79	100.32231
K 766.491	10058.8b	ppb	34.6103	0.3	506896	100.58825
Mg 279.078	1029.45b	ppb	3.3591	0.3	2153.57	102.94519
Mn 257.610	1030.09b	ppb	2.7605	0.3	237312	103.00924
Mo 202.032	1015.83xb	ppb	5.7346	0.6	6748.58	101.58266
Na 330.237	9705.13b	ppb	234.870	2.4	485.269	97.05133
Ni 231.604	1028.61b	ppb	4.8060	0.5	2692.48	102.86067
Pb 220.353	1023.70b	ppb	7.0192	0.7	1692.15	102.36954
Sb 206.834	1008.06b	ppb	5.7469	0.6	946.580	100.80638
Se 196.026	1005.06b	ppb	8.8850	0.9	493.315	100.50642
Sn 189.925	5120.54b	ppb	28.7799	0.6	3978.84	102.41080
Sr 216.596	5008.89xb	ppb	32.5985	0.7	48756.5	100.17787
Ti 334.941	1008.26b	ppb	6.4018	0.6	266838	100.82560
Tl 190.794	1035.26b	ppb	6.8027	0.7	709.256	103.52588
V 292.401	1016.62b	ppb	3.0774	0.3	28347.8	101.66207
Zn 206.200	1003.53b	ppb	2.5191	0.3	1568.79	100.35329

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Initial Calib Blank (ICB) 3/26/2013, 2:32:50 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3257	0.2193	-0.0171u
Al 308.215	0.2910	0.4183	1.6636
As 188.980	5.5929	7.5566	0.9945
B 249.678	37.5844	35.0923	32.3028
Ba 389.178	0.5163	0.6312	-0.1522u
Be 313.042	0.0514	0.0513	0.0289
Ca 370.602	-7.661u	0.5433	-3.140u
Cd 226.502	0.0542	0.0319	-0.1693u
Co 228.615	0.0483	0.0612	0.1356
Cr 267.716	-0.1550u	0.0596	-0.0896u
Cu 324.754	-0.3312u	-0.0725u	-0.1969u
Fe 271.441	-1.3882u	0.2229	1.2167
K 766.491	0.6811	0.4996	-0.2834u
Mg 279.078	4.7303	1.1208	-1.5956u
Mn 257.610	0.0441	0.0239	0.0460
Mo 202.032	0.9858	0.5550	0.9255
Na 330.237	30.4481	-3.4592u	-282.391u
Ni 231.604	-1.0658u	-0.2148u	-0.4001u
Pb 220.353	-0.3046u	-2.1054u	-0.4011u
Sb 206.834	4.6118	2.8076	-0.0499u
Se 196.026	-3.3649u	3.7788	0.0742
Sn 189.925	1.5589	0.4397	2.3950
Sr 216.596	0.8956	0.6590	-0.2835u
Ti 334.941	0.4639	0.3490	0.1728
Tl 190.794	2.4297	-1.5030u	3.4583
V 292.401	0.1347	-0.1982u	-0.1712u
Zn 206.200	-0.1821u	-0.3388u	-0.1497u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1760	ppb	0.1754	99.7	-53.8556	0.17596
Al 308.215	0.7910	ppb	0.7584	95.9	270.137	0.79096
As 188.980	4.7147	ppb	3.3680	71.4	2.5081	4.71467
B 249.678	34.9932	ppb	2.6422	7.6	526.083	34.99318
Ba 389.178	0.3317	ppb	0.4230	127.5	-21.8301	0.33173
Be 313.042	0.0439	ppb	0.0130	29.6	-124.626	0.04387
Ca 370.602	-3.420	ppb	4.109	120.2	-17.10	-3.41951
Cd 226.502	-0.0277	ppb	0.1231	443.9	10.0469	-0.02773
Co 228.615	0.0817	ppb	0.0471	57.7	12.8119	0.08170
Cr 267.716	-0.0617	ppb	0.1100	178.4	-0.0388	-0.06167
Cu 324.754	-0.2002	ppb	0.1294	64.6	100.431	-0.20018
Fe 271.441	0.0172	ppb	1.3146	7661.4	3.7831	0.01716
K 766.491	0.2991	ppb	0.5126	171.4	220.882	0.29911
Mg 279.078	1.4185	ppb	3.1734	223.7	28.2904	1.41853
Mn 257.610	0.0380	ppb	0.0123	32.3	67.4791	0.03799
Mo 202.032	0.8221	ppb	0.2333	28.4	14.6667	0.82210
Na 330.237	-85.1341	ppb	171.669	201.6	-4.3989	-85.13407
Ni 231.604	-0.5602	ppb	0.4476	79.9	0.8546	-0.56024
Pb 220.353	-0.9370	ppb	1.0130	108.1	1.9708	-0.93699
Sb 206.834	2.4565	ppb	2.3506	95.7	3.7438	2.45649
Se 196.026	0.1627	ppb	3.5727	2196.2	-1.0595	0.16267
Sn 189.925	1.4645	ppb	0.9811	67.0	-0.1826	1.46453
Sr 216.596	0.4237	ppb	0.6238	147.2	12.5104	0.42373
Ti 334.941	0.3286	ppb	0.1466	44.6	-4.9187	0.32856
Tl 190.794	1.4617	ppb	2.6185	179.1	-0.2191	1.46167
V 292.401	-0.0782	ppb	0.1849	236.3	1.5478	-0.07822
Zn 206.200	-0.2236	ppb	0.1011	45.2	1.9979	-0.22356

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CRI (CRI) **3/26/2013, 2:38:16 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2831	9.5849	9.9214
Al 308.215	207.715	208.390	203.473
As 188.980	20.0704	17.6336	25.0213
B 249.678	114.867	116.448	112.808
Ba 389.178	10.6074	9.9759	10.3831
Be 313.042	4.2320	4.2908	4.1840
Ca 370.602	529.3	527.5	515.4
Cd 226.502	5.3127	5.6165	5.1976
Co 228.615	10.8633	11.3332	10.4610
Cr 267.716	10.3867	10.1027	10.1647
Cu 324.754	21.0622	21.3871	20.9271
Fe 271.441	66.3571	59.1317	53.6677
K 766.491	1047.65	1064.46	1040.34
Mg 279.078	533.798	540.439	522.551
Mn 257.610	10.9583	11.0899	10.7651
Mo 202.032	10.7951	11.0831	10.6364
Na 330.237	889.103	870.049	1276.12
Ni 231.604	41.6505	42.9018	40.8370
Pb 220.353	7.1308	10.5614	9.9863
Sb 206.834	16.5060	29.5578	17.4056
Se 196.026	24.7537	20.6135	17.3186
Sn 189.925	53.9953	55.1025	56.0931
Sr 216.596	9.3895	10.4324	9.9549
Ti 334.941	10.4302	10.5607	10.2538
Tl 190.794	25.5004	19.9283	28.2835
V 292.401	10.4458	10.1767	10.5170
Zn 206.200	25.1168	24.6574	25.4221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.9298	ppb	0.3492	3.5	632.098	99.29800
Al 308.215	206.526	ppb	2.6654	1.3	1469.26	103.26293
As 188.980	20.9084	ppb	3.7644	18.0	12.5307	104.54211
B 249.678	114.708	ppb	1.8250	1.6	1278.52	114.70792
Ba 389.178	10.3221	ppb	0.3202	3.1	226.493	103.22120
Be 313.042	4.2356	ppb	0.0535	1.3	8101.64	105.89025
Ca 370.602	524.1	ppb	7.578	1.4	1720	104.81059
Cd 226.502	5.3756	ppb	0.2164	4.0	213.315	107.51147
Co 228.615	10.8858	ppb	0.4366	4.0	139.678	108.85838
Cr 267.716	10.2180	ppb	0.1493	1.5	448.689	102.18004
Cu 324.754	21.1254	ppb	0.2364	1.1	1151.43	105.62717
Fe 271.441	59.7188	ppb	6.3650	10.7	106.950	119.43763
K 766.491	1050.82	ppb	12.3706	1.2	53138.4	105.08177
Mg 279.078	532.263	ppb	9.0421	1.7	1133.97	106.45251
Mn 257.610	10.9378	ppb	0.1633	1.5	2580.97	109.37755
Mo 202.032	10.8382	ppb	0.2265	2.1	81.1143	108.38214
Na 330.237	1011.76	ppb	229.140	22.6	51.9267	101.17562
Ni 231.604	41.7964	ppb	1.0401	2.5	111.632	104.49111
Pb 220.353	9.2262	ppb	1.8373	19.9	18.7323	92.26187
Sb 206.834	21.1565	ppb	7.2897	34.5	21.2006	105.78227
Se 196.026	20.8953	ppb	3.7256	17.8	9.1379	104.47646
Sn 189.925	55.0636	ppb	1.0494	1.9	41.4802	110.12730
Sr 216.596	9.9256	ppb	0.5220	5.3	104.192	99.25620
Ti 334.941	10.4149	ppb	0.1540	1.5	2667.53	104.14893
Tl 190.794	24.5707	ppb	4.2545	17.3	15.6464	98.28290
V 292.401	10.3798	ppb	0.1794	1.7	293.252	103.79830
Zn 206.200	25.0654	ppb	0.3850	1.5	41.5177	125.32722R

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Interf Check A (ICSA) 3/26/2013, 2:43:42 PM Rack S, Tube 5

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1850	-0.2721u	-0.1250u
Al 308.215	539660	538409	538151
As 188.980	-3.8058u	-5.2331u	8.4661
B 249.678	-9.4542u	-11.3610u	-10.9106u
Ba 389.178	-4.0428	-2.2871	-1.4590
Be 313.042	-0.1559u	-0.1541u	-0.1531u
Ca 370.602	502799	500844	498690
Cd 226.502	1.7500	1.6047	1.8290
Co 228.615	0.6086	0.5122u	1.0989
Cr 267.716	0.9251	0.6949	1.2237
Cu 324.754	1.4353	1.1580	0.0937
Fe 271.441	200469	199942	199815
K 766.491	2.6264	2.8638	1.6426
Mg 279.078	555052	552745	551905
Mn 257.610	0.4386	0.4052	0.3720
Mo 202.032	1.2294u	2.0612	0.5090u
Na 330.237	-604.538u	-484.061u	8.1732u
Ni 231.604	6.0465	7.0939	5.6702
Pb 220.353	-7.6316u	-1.8936u	-1.4200u
Sb 206.834	7.1260	-0.0341	4.3088
Se 196.026	3.4262	-7.3867u	-8.0459u
Sn 189.925	-8.5299u	-0.1255	-4.1923u
Sr 216.596	1.7635	3.2699	1.9261
Ti 334.941	0.2419	0.3329	0.1273
Tl 190.794	-2.3412u	8.0734u	4.8677u
V 292.401	-3.8128u	-3.9524u	-3.6745u
Zn 206.200	18.1048	19.5744	19.6297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0707	ppb	0.2333	330.0	-78.3809	-0.07070
Al 308.215	538740	ppb	807.112	0.1	3137381	-
As 188.980	-0.1910	ppb	7.5311	3944.0	1.6192	-0.19095
B 249.678	-10.5753	ppb	0.9966	9.4	-92.2791	-10.57526
Ba 389.178	-2.5963	ppb	1.3194	50.8	1752.96	-2.59629
Be 313.042	-0.1544	ppb	0.0015	0.9	-305.995	-0.15436
Ca 370.602	500778	ppb	2056	0.4	1634557	-
Cd 226.502	1.7279	ppb	0.1138	6.6	572.850	1.72789
Co 228.615	0.7399	ppb	0.3146	42.5	13.8277	0.73992
Cr 267.716	0.9479	ppb	0.2651	28.0	91.8908	0.94790
Cu 324.754	0.8957	ppb	0.7083	79.1	212.824	0.89569
Fe 271.441	200076	ppb	346.801	0.2	340253	-
K 766.491	2.3776	ppb	0.6475	27.2	325.581	2.37760
Mg 279.078	553234	ppb	1629.72	0.3	1152445	-
Mn 257.610	0.4052	ppb	0.0333	8.2	3791.92	0.40523
Mo 202.032	1.2665	ppb	0.7767	61.3	8.4518	1.26655
Na 330.237	-360.142	ppb	324.609	90.1	-78.9342	-360.14182
Ni 231.604	6.2702	ppb	0.7377	11.8	23.0493	6.27019
Pb 220.353	-3.6484	ppb	3.4577	94.8	-12.2888	-3.64839
Sb 206.834	3.8002	ppb	3.6071	94.9	9.2488	3.80023
Se 196.026	-4.0021	ppb	6.4416	161.0	-1.9386	-4.00214
Sn 189.925	-4.2826	ppb	4.2029	98.1	-4.4600	-4.28255
Sr 216.596	2.3198	ppb	0.8268	35.6	150.531	2.31984
Ti 334.941	0.2340	ppb	0.1030	44.0	2383.40	0.23401
Tl 190.794	3.5333	ppb	5.3340	151.0	-5.8657	3.53331
V 292.401	-3.8133	ppb	0.1390	3.6	-100.545	-3.81325
Zn 206.200	19.1030	ppb	0.8648	397.5	32.2179	19.10296

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Interf Check AB (ICSAB) 3/26/2013, 2:49:08 PM Rack S, Tube 6
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	227.560	230.236	231.413
Al 308.215	543795	543150	543598
As 188.980	123.312	117.761	113.743
B 249.678	-18.5655u	-19.3954u	-18.9073u
Ba 389.178	523.379	522.413	523.748
Be 313.042	511.757	511.067	512.167
Ca 370.602	507843	505966	505517
Cd 226.502	1007.96	1004.25	1008.77
Co 228.615	499.196	500.646	501.173
Cr 267.716	513.382	511.939	511.001
Cu 324.754	548.688	544.899	553.639
Fe 271.441	202043	201751	202054
K 766.491	3.1052	3.9659	3.5882
Mg 279.078	560689	560309	561059
Mn 257.610	508.819	507.597	508.563
Mo 202.032	1104.61	1097.95	1103.78
Na 330.237	-246.571u	-280.265u	-445.137u
Ni 231.604	993.247	992.859	990.895
Pb 220.353	52.0450	48.2493	42.5853
Sb 206.834	628.804	655.068	631.151
Se 196.026	57.8259	44.4322	39.0183
Sn 189.925	1082.45	1082.53	1087.91
Sr 216.596	2.0231	1.2669	1.4428
Ti 334.941	-6.3166	-6.3070	-6.3691
Tl 190.794	101.337	115.570	100.513
V 292.401	511.592	511.001	511.629
Zn 206.200	994.953	990.458	989.629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	229.736	ppb	1.9746	0.9	16095.7	114.86821
Al 308.215	543514	ppb	330.288	0.1	3165321	108.70289
As 188.980	118.272	ppb	4.8050	4.1	74.6625	118.27184
B 249.678	-18.9561	ppb	0.4171	2.2	-173.201	-
Ba 389.178	523.180	ppb	0.6893	0.1	14766.1	104.63605
Be 313.042	511.664	ppb	0.5562	0.1	1004182	102.33277
Ca 370.602	506442	ppb	1234	0.2	1653091	101.28833
Cd 226.502	1006.99	ppb	2.4118	0.2	38367.8	100.69940
Co 228.615	500.338	ppb	1.0237	0.2	5846.70	100.06761
Cr 267.716	512.107	ppb	1.1995	0.2	22396.5	102.42149
Cu 324.754	549.075	ppb	4.3829	0.8	27249.7	109.81508
Fe 271.441	201949	ppb	172.206	0.1	343523	100.97466
K 766.491	3.5531	ppb	0.4314	12.1	384.794	-
Mg 279.078	560686	ppb	375.231	0.1	1167961	112.13718
Mn 257.610	508.327	ppb	0.6445	0.1	120821	101.66530
Mo 202.032	1102.11	ppb	3.6321	0.3	7312.85	110.21123
Na 330.237	-323.991	ppb	106.259	32.8	-84.8601	-
Ni 231.604	992.333	ppb	1.2606	0.1	2601.97	99.23335
Pb 220.353	47.6266	ppb	4.7605	10.0	70.7966	95.25311
Sb 206.834	638.341	ppb	14.5337	2.3	595.869	106.39021
Se 196.026	47.0921	ppb	9.6818	20.6	23.3208	94.18427
Sn 189.925	1084.30	ppb	3.1329	0.3	841.686	108.42958
Sr 216.596	1.5776	ppb	0.3957	25.1	93.3242	-
Ti 334.941	-6.3309	ppb	0.0334	0.5	677.917	-
Tl 190.794	105.807	ppb	8.4654	8.0	63.8374	105.80678
V 292.401	511.408	ppb	0.3525	0.1	14137.5	102.28151
Zn 206.200	991.680	ppb	2.8645	0.3	1551.74	99.16798

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Cont Calib Verif (CCV) 3/26/2013, 2:54:33 PM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	511.812	508.508	509.776
Al 308.215	5071.74	5091.59	5040.65
As 188.980	453.610	456.228	454.026
B 249.678	2544.63	2578.41	2569.46
Ba 389.178	4987.79	5016.99	4968.61
Be 313.042	499.139	502.993	497.014
Ca 370.602	5075	5091	5031
Cd 226.502	499.448	501.736	497.224
Co 228.615	503.486	506.173	501.930
Cr 267.716	4978.19	5007.11	4944.16
Cu 324.754	5014.07	4973.72	4985.81
Fe 271.441	5058.56	5077.80	5053.53
K 766.491	10249.8	10309.5	9834.43
Mg 279.078	5097.71	5102.88	5045.79
Mn 257.610	5025.10	5058.26	5009.11
Mo 202.032	494.391	498.949	493.046
Na 330.237	7524.17	7542.15	7353.37
Ni 231.604	2527.67	2541.62	2515.64
Pb 220.353	497.633	505.743	500.586
Sb 206.834	946.449	954.670	948.431
Se 196.026	4966.42	5020.32	4964.31
Sn 189.925	5075.48	5134.53	5073.18
Sr 216.596	2504.10	2514.72	2487.40
Ti 334.941	500.049	503.172	497.190
Tl 190.794	5041.42	5062.64	4993.76
V 292.401	4987.90	5023.16	4977.66
Zn 206.200	2493.23	2515.98	2495.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.032	ppb	1.6667	0.3	35763.8	102.00639
Al 308.215	5068.00	ppb	25.6742	0.5	29753.1	101.35994
As 188.980	454.621	ppb	1.4069	0.3	280.787	90.92424
B 249.678	2564.17	ppb	17.5004	0.7	24396.1	102.56667
Ba 389.178	4991.13	ppb	24.3621	0.5	123244	99.82260
Be 313.042	499.715	ppb	3.0310	0.6	980445	99.94307
Ca 370.602	5066	ppb	31.09	0.6	16557	101.31007
Cd 226.502	499.469	ppb	2.2564	0.5	18799.8	99.89382
Co 228.615	503.863	ppb	2.1463	0.4	5940.64	100.77264
Cr 267.716	4976.49	ppb	31.5087	0.6	217232	99.52974
Cu 324.754	4991.20	ppb	20.7109	0.4	246017	99.82400
Fe 271.441	5063.30	ppb	12.8075	0.3	8738.52	101.26591
K 766.491	10131.2	ppb	258.758	2.6	510544	101.31226
Mg 279.078	5082.13	ppb	31.5765	0.6	10532.6	101.64254
Mn 257.610	5030.82	ppb	25.0698	0.5	1158770	100.61649
Mo 202.032	495.462	ppb	3.0939	0.6	3288.32	99.09247
Na 330.237	7473.23	ppb	104.190	1.4	361.619	99.64307
Ni 231.604	2528.31	ppb	12.9997	0.5	6614.78	101.13235
Pb 220.353	501.321	ppb	4.1047	0.8	831.344	100.26418
Sb 206.834	949.850	ppb	4.2906	0.5	931.455	94.98500
Se 196.026	4983.68	ppb	31.7471	0.6	2450.63	99.67365
Sn 189.925	5094.40	ppb	34.7753	0.7	3958.52	101.88791
Sr 216.596	2502.07	ppb	13.7726	0.6	24330.9	100.08300
Ti 334.941	500.137	ppb	2.9917	0.6	132336	100.02745
Tl 190.794	5032.61	ppb	35.2739	0.7	3452.33	100.65213
V 292.401	4996.24	ppb	23.8721	0.5	140125	99.92480
Zn 206.200	2501.52	ppb	12.5629	0.5	3899.41	100.06091

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Cont Calib Blank (CCB) 3/26/2013, 2:59:56 PM Rack 1, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3885	-0.9421u	-0.2751u
Al 308.215	-1.4170u	3.2995	2.7963
As 188.980	1.2503	1.3494	0.1304
B 249.678	48.9370	44.9574	39.5325
Ba 389.178	0.5494	1.5907	-0.1059u
Be 313.042	0.0216	0.0155	0.0099
Ca 370.602	7.477	5.063	2.307
Cd 226.502	0.0332	0.0508	-0.0552u
Co 228.615	1.4051	0.0756	-0.1395u
Cr 267.716	0.4203	0.3614	0.3444
Cu 324.754	0.5610	-0.2006u	-0.3417u
Fe 271.441	-0.2560u	12.4223	1.5569
K 766.491	0.9042	0.3587	0.5993
Mg 279.078	6.4276	3.0558	5.1933
Mn 257.610	0.3133	0.2849	0.2551
Mo 202.032	0.7110	0.4789	-0.3089u
Na 330.237	-34.0789u	10.4047	172.708
Ni 231.604	-1.2761u	-0.7765u	-0.8301u
Pb 220.353	0.6525	-2.0235u	0.6334
Sb 206.834	7.2196	8.7129	3.1557
Se 196.026	2.3623	4.5037	1.1095
Sn 189.925	3.0317	0.1710	0.3100
Sr 216.596	0.4844	0.1663	1.5504
Ti 334.941	0.1928	0.1914	0.0606
Tl 190.794	2.3822	5.1712	2.2589
V 292.401	0.4027	0.1936	-0.2093u
Zn 206.200	-1.6706u	-0.2644u	0.0742

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2763	ppb	0.6653	240.8	-85.6572	-0.27626
Al 308.215	1.5596	ppb	2.5900	166.1	274.541	1.55961
As 188.980	0.9100	ppb	0.6770	74.4	0.1538	0.91003
B 249.678	44.4756	ppb	4.7208	10.6	615.589	44.47563
Ba 389.178	0.6781	ppb	0.8556	126.2	-13.2622	0.67806
Be 313.042	0.0157	ppb	0.0059	37.3	-179.902	0.01569
Ca 370.602	4.949	ppb	2.587	52.3	9.897	4.94889
Cd 226.502	0.0096	ppb	0.0568	590.0	11.4670	0.00963
Co 228.615	0.4471	ppb	0.8366	187.1	17.1197	0.44710
Cr 267.716	0.3753	ppb	0.0398	10.6	19.0417	0.37535
Cu 324.754	0.0062	ppb	0.4856	7809.2	110.587	0.00622
Fe 271.441	4.5744	ppb	6.8566	149.9	11.4799	4.57441
K 766.491	0.6207	ppb	0.2734	44.0	237.082	0.62072
Mg 279.078	4.8922	ppb	1.7060	34.9	35.5244	4.89223
Mn 257.610	0.2844	ppb	0.0291	10.2	124.274	0.28444
Mo 202.032	0.2937	ppb	0.5346	182.0	11.1593	0.29366
Na 330.237	49.6779	ppb	108.844	219.1	2.5588	49.67794
Ni 231.604	-0.9609	ppb	0.2743	28.5	-0.1931	-0.96088
Pb 220.353	-0.2459	ppb	1.5395	626.2	3.1131	-0.24587
Sb 206.834	6.3627	ppb	2.8760	45.2	7.3982	6.36274
Se 196.026	2.6585	ppb	1.7163	64.6	0.1679	2.65849
Sn 189.925	1.1709	ppb	1.6130	137.8	-0.4108	1.17092
Sr 216.596	0.7337	ppb	0.7250	98.8	15.5568	0.73372
Ti 334.941	0.1482	ppb	0.0759	51.2	-52.6503	0.14825
Tl 190.794	3.2708	ppb	1.6469	50.4	1.0232	3.27077
V 292.401	0.1290	ppb	0.3111	241.2	7.4444	0.12900
Zn 206.200	-0.6203	ppb	0.9252	149.2	89.3760	-0.62029

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mb 680-270388/1-a (Samp) **3/26/2013, 3:05:20 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.7922	0.3313	0.0252
Al 308.215	2.2558	1.4442	0.5518
As 188.980	4.2978	-1.7052u	-1.6887u
B 249.678	9.1538	8.7038	7.5476
Ba 389.178	0.3092	-0.5941u	-0.3126u
Be 313.042	-0.0274u	-0.0215u	-0.0351u
Ca 370.602	0.1318	6.027	3.336
Cd 226.502	0.0631	-0.1932u	0.0813
Co 228.615	0.2373	1.4377	0.1110
Cr 267.716	-0.1957u	-0.0025u	-0.0741u
Cu 324.754	0.5775	-0.0397u	0.1845
Fe 271.441	-4.3105u	5.1981	6.9728
K 766.491	6.9630	6.5816	6.8059
Mg 279.078	1.5034	-4.3832u	4.1166
Mn 257.610	0.0670	0.0290	0.0419
Mo 202.032	0.1742	0.2851	0.0582
Na 330.237	21.4254	34.7959	196.272
Ni 231.604	-1.1331u	-0.1190u	-1.1172u
Pb 220.353	-0.9902u	2.7195	-3.3099u
Sb 206.834	0.8753	4.3892	-3.3321u
Se 196.026	4.4896	3.4618	1.6065
Sn 189.925	4.0201	3.6498	3.2310
Sr 216.596	-0.0085u	-0.1297u	-0.7621u
Ti 334.941	0.1350	0.0911	0.0302
Tl 190.794	-8.7390u	-0.0509u	-1.2687u
V 292.401	-0.3375u	0.1736	-0.0951u
Zn 206.200	2.5576	0.5346	1.3460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3829	ppb	0.3861	100.8	-39.2646
Al 308.215	1.4173	ppb	0.8523	60.1	273.678
As 188.980	0.3013	ppb	3.4611	1148.7	-0.2228
B 249.678	8.4684	ppb	0.8286	9.8	275.692
Ba 389.178	-0.1991	ppb	0.4622	232.1	-34.9404
Be 313.042	-0.0280	ppb	0.0068	24.2	-265.607
Ca 370.602	3.165	ppb	2.951	93.3	4.234
Cd 226.502	-0.0162	ppb	0.1535	945.2	10.4876
Co 228.615	0.5954	ppb	0.7322	123.0	18.8679
Cr 267.716	-0.0908	ppb	0.0977	107.6	-1.3048
Cu 324.754	0.2408	ppb	0.3124	129.8	122.137
Fe 271.441	2.6201	ppb	6.0673	231.6	8.1295
K 766.491	6.7835	ppb	0.1917	2.8	547.519
Mg 279.078	0.4123	ppb	4.3537	1056.0	26.1944
Mn 257.610	0.0460	ppb	0.0193	42.0	69.3169
Mo 202.032	0.1725	ppb	0.1135	65.8	10.3559
Na 330.237	84.1645	ppb	97.3181	115.6	4.3246
Ni 231.604	-0.7898	ppb	0.5809	73.6	0.2543
Pb 220.353	-0.5269	ppb	3.0413	577.2	2.6494
Sb 206.834	0.6442	ppb	3.8659	600.1	2.0628
Se 196.026	3.1860	ppb	1.4612	45.9	0.4271
Sn 189.925	3.6336	ppb	0.3948	10.9	1.5035
Sr 216.596	-0.3001	ppb	0.4047	134.9	5.4907
Ti 334.941	0.0854	ppb	0.0526	61.6	-69.3026
Tl 190.794	-3.3529	ppb	4.7041	140.3	-3.5264
V 292.401	-0.0863	ppb	0.2557	296.1	1.4731
Zn 206.200	1.4794	ppb	1.0180	68.8	4.6613

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ics 680-270388/2-a (Samp) 3/26/2013, 3:10:45 PM Rack 1, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	27.1813	27.9988	28.6731
Al 308.215	9996.79	10059.9	10020.3
As 188.980	211.802	213.855	218.471
B 249.678	410.013	416.758	416.280
Ba 389.178	207.205	207.620	207.150
Be 313.042	104.768	105.213	104.901
Ca 370.602	9874	9891	9890
Cd 226.502	103.311	103.609	103.322
Co 228.615	103.520	104.390	103.377
Cr 267.716	203.062	204.364	204.011
Cu 324.754	209.113	208.717	208.727
Fe 271.441	10217.9	10288.2	10237.8
K 766.491	10105.9	10138.3	10177.6
Mg 279.078	10217.2	10279.5	10235.9
Mn 257.610	1047.47	1054.07	1048.40
Mo 202.032	204.230	203.742	205.061
Na 330.237	9801.29	10061.6	9816.12
Ni 231.604	201.867	205.906	202.916
Pb 220.353	98.3012	104.183	103.904
Sb 206.834	104.422	104.572	97.7968
Se 196.026	207.812	206.821	207.746
Sn 189.925	408.529	409.144	409.974
Sr 216.596	207.148	208.485	207.222
Ti 334.941	204.005	205.026	204.740
Tl 190.794	84.4609	81.4872	88.6274
V 292.401	204.690	206.404	205.561
Zn 206.200	201.501	202.296	203.322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	27.9511	ppb	0.7471	2.7	1897.11
Al 308.215	10025.7	ppb	31.8882	0.3	58669.3
As 188.980	214.709	ppb	3.4159	1.6	132.385
B 249.678	414.350	ppb	3.7642	0.9	4097.50
Ba 389.178	207.325	ppb	0.2572	0.1	5134.84
Be 313.042	104.961	ppb	0.2280	0.2	205785
Ca 370.602	9885	ppb	9.785	0.1	31799
Cd 226.502	103.414	ppb	0.1690	0.2	3923.83
Co 228.615	103.762	ppb	0.5487	0.5	1229.43
Cr 267.716	203.812	ppb	0.6734	0.3	8904.62
Cu 324.754	208.853	ppb	0.2261	0.1	10408.0
Fe 271.441	10248.0	ppb	36.2490	0.4	17449.6
K 766.491	10140.6	ppb	35.9042	0.4	511015
Mg 279.078	10244.2	ppb	31.9588	0.3	21349.2
Mn 257.610	1049.98	ppb	3.5728	0.3	241969
Mo 202.032	204.345	ppb	0.6670	0.3	1364.45
Na 330.237	9893.01	ppb	146.213	1.5	504.392
Ni 231.604	203.563	ppb	2.0955	1.0	534.919
Pb 220.353	102.129	ppb	3.3181	3.2	171.812
Sb 206.834	102.264	ppb	3.8691	3.8	97.1857
Se 196.026	207.459	ppb	0.5538	0.3	101.187
Sn 189.925	409.216	ppb	0.7252	0.2	316.766
Sr 216.596	207.618	ppb	0.7517	0.4	2025.86
Ti 334.941	204.590	ppb	0.5268	0.3	54116.0
Tl 190.794	84.8585	ppb	3.5867	4.2	55.6970
V 292.401	205.551	ppb	0.8568	0.4	5734.50
Zn 206.200	202.373	ppb	0.9129	0.5	218.227

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ics 680-270388/3-a (Samp) 3/26/2013, 3:16:09 PM Rack 1, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	414.490	417.786	421.207
Al 308.215	3953.69	3968.62	3986.77
As 188.980	433.404	430.792	447.671
B 249.678	805.791	809.287	821.464
Ba 389.178	393.656	395.180	397.830
Be 313.042	398.989	399.277	401.123
Ca 370.602	39034	39007	39132
Cd 226.502	393.040	394.090	396.702
Co 228.615	398.305	399.355	400.547
Cr 267.716	397.571	396.591	398.857
Cu 324.754	406.825	408.610	408.988
Fe 271.441	41522.5	41544.1	41921.2
K 766.491	40990.5x	40876.3x	40991.0x
Mg 279.078	39946.0	40023.2	40321.1
Mn 257.610	3967.44	3972.36	4014.44
Mo 202.032	399.683	395.689	396.580
Na 330.237	35816.0	35620.2	35883.3
Ni 231.604	400.488	395.659	398.691
Pb 220.353	393.745	396.606	394.137
Sb 206.834	394.976	384.498	387.646
Se 196.026	411.655	412.926	407.577
Sn 189.925	405.971	396.272	401.859
Sr 216.596	423.495	423.785	424.742
Ti 334.941	396.616	395.576	397.792
Tl 190.794	86.9829	97.3935	95.7346
V 292.401	404.400	403.923	407.405
Zn 206.200	373.161	375.412	375.373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	417.827b	ppb	3.3587	0.8	29332.4
Al 308.215	3969.69b	ppb	16.5679	0.4	23427.5
As 188.980	437.289b	ppb	9.0856	2.1	270.000
B 249.678	812.181b	ppb	8.2278	1.0	7823.35
Ba 389.178	395.555b	ppb	2.1120	0.5	9915.07
Be 313.042	399.797b	ppb	1.1578	0.3	784502
Ca 370.602	39058b	ppb	65.86	0.2	125474
Cd 226.502	394.611b	ppb	1.8854	0.5	14947.8
Co 228.615	399.403b	ppb	1.1220	0.3	4700.97
Cr 267.716	397.673b	ppb	1.1368	0.3	17382.6
Cu 324.754	408.141b	ppb	1.1552	0.3	20240.4
Fe 271.441	41662.6b	ppb	224.202	0.5	70921.1
K 766.491	40952.6xb	ppb	66.0778	0.2	2063100
Mg 279.078	40096.8b	ppb	198.124	0.5	83501.5
Mn 257.610	3984.75b	ppb	25.8329	0.6	918140
Mo 202.032	397.318b	ppb	2.0964	0.5	2643.26
Na 330.237	35773.2b	ppb	136.673	0.4	1827.87
Ni 231.604	398.279b	ppb	2.4407	0.6	1044.81
Pb 220.353	394.829b	ppb	1.5511	0.4	655.486
Sb 206.834	389.040b	ppb	5.3758	1.4	366.856
Se 196.026	410.719b	ppb	2.7948	0.7	202.036
Sn 189.925	401.367b	ppb	4.8679	1.2	310.686
Sr 216.596	424.008b	ppb	0.6526	0.2	4138.90
Ti 334.941	396.661b	ppb	1.1089	0.3	105094
Tl 190.794	93.3703b	ppb	5.5935	6.0	57.5977
V 292.401	405.243b	ppb	1.8877	0.5	11303.2
Zn 206.200	374.649b	ppb	1.2886	0.3	587.064

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lb 680-269996/7-g (Samp) 3/26/2013, 3:21:34 PM Rack 1, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5058u	0.2686	0.0218
Al 308.215	2.9489	2.2431	8.4070
As 188.980	-4.6724u	-4.6889u	-3.0251u
B 249.678	60.3652	59.1429	58.8364
Ba 389.178	0.7946	0.4433	0.1982
Be 313.042	0.0140	0.0194	0.0137
Ca 370.602	390.0	389.0	390.3
Cd 226.502	-0.0093u	-0.1904u	-0.0687u
Co 228.615	0.5402	-0.2900u	0.0669
Cr 267.716	0.3546	0.1852	0.0673
Cu 324.754	0.8666	1.5109	1.3253
Fe 271.441	15.6870	6.6719	10.5163
K 766.491	92.8316	93.7379	94.3149
Mg 279.078	77.4512	88.7160	87.3808
Mn 257.610	0.3764	0.3807	0.3134
Mo 202.032	0.6098	0.4184	0.3209
Na 330.237	118339x	118298x	120842x
Ni 231.604	0.6337	-0.1130u	-2.3762u
Pb 220.353	0.5929	-1.4225u	-0.3707u
Sb 206.834	1.0580	-1.8145u	-1.6310u
Se 196.026	2.3879	2.1629	-4.0336u
Sn 189.925	-0.7890u	-0.0291	-0.1144u
Sr 216.596	0.5172	0.8215	0.3134
Ti 334.941	0.3336	0.2837	0.2171
Tl 190.794	0.9631	-2.9352u	1.4392
V 292.401	-0.0336u	0.1414	0.0000u
Zn 206.200	1.5568	2.1422	4.2823

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0718b	ppb	0.3956	551.0	-71.2828
Al 308.215	4.5330b	ppb	3.3735	74.4	291.893
As 188.980	-4.1288b	ppb	0.9559	23.2	-2.9614
B 249.678	59.4482b	ppb	0.8088	1.4	756.918
Ba 389.178	0.4787b	ppb	0.2998	62.6	-17.9503
Be 313.042	0.0157b	ppb	0.0032	20.4	-194.326
Ca 370.602	389.8b	ppb	0.6984	0.2	1278
Cd 226.502	-0.0895b	ppb	0.0923	103.1	7.0819
Co 228.615	0.1057b	ppb	0.4164	394.0	13.1010
Cr 267.716	0.2024b	ppb	0.1444	71.4	13.4505
Cu 324.754	1.2342b	ppb	0.3317	26.9	171.109
Fe 271.441	10.9584b	ppb	4.5238	41.3	22.2860
K 766.491	93.6281b	ppb	0.7477	0.8	4922.12
Mg 279.078	84.5160b	ppb	6.1546	7.3	201.403
Mn 257.610	0.3568b	ppb	0.0376	10.6	140.757
Mo 202.032	0.4497b	ppb	0.1470	32.7	12.1947
Na 330.237	119160xb	ppb	1457.37	1.2	6150.06
Ni 231.604	-0.6185b	ppb	1.5673	253.4	0.7026
Pb 220.353	-0.4001b	ppb	1.0080	251.9	2.8580
Sb 206.834	-0.7958b	ppb	1.6081	202.1	0.7155
Se 196.026	0.1724b	ppb	3.6442	2113.6	-1.0545
Sn 189.925	-0.3108b	ppb	0.4163	133.9	-1.5222
Sr 216.596	0.5507b	ppb	0.2557	46.4	13.7999
Ti 334.941	0.2781b	ppb	0.0585	21.0	-26.8357
Tl 190.794	-0.1776b	ppb	2.4000	1351.0	-1.3462
V 292.401	0.0359b	ppb	0.0929	258.3	3.8050
Zn 206.200	2.6604b	ppb	1.4347	53.8	6.5074

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680-88485-a-1-k (Samp) 3/26/2013, 3:26:59 PM Rack 1, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7539u	-0.7909u	-0.7424u
Al 308.215	0.0219	0.4918	1.2359
As 188.980	0.0385	3.1022	0.4697
B 249.678	10.6953	9.3022	8.8543
Ba 389.178	6.3222	6.9996	7.6454
Be 313.042	-0.0347u	-0.0334u	-0.0479u
Ca 370.602	60661	60263	59812
Cd 226.502	-0.4054u	0.0212	-0.1835u
Co 228.615	0.9890	1.6332	1.2878
Cr 267.716	-0.0812u	-0.2411u	-0.1404u
Cu 324.754	0.1220	0.2150	-0.0719u
Fe 271.441	1.5226	-0.7318u	-0.1084u
K 766.491	624.229	622.534	616.480
Mg 279.078	1893.55	1883.20	1865.34
Mn 257.610	62.4323	61.9549	61.5282
Mo 202.032	0.0275	-0.4944u	0.5494
Na 330.237	122879x	121443x	120805x
Ni 231.604	14.9374	12.1060	14.1656
Pb 220.353	0.1442	-0.1857u	-0.1657u
Sb 206.834	2.9034	-6.6681u	-1.2011u
Se 196.026	6.6482	2.1797	3.0557
Sn 189.925	2.4492	1.8993	1.6169
Sr 216.596	119.186	118.096	118.082
Ti 334.941	0.1318	0.2153	0.1346
Tl 190.794	-0.1388u	1.3768	-1.6565u
V 292.401	-0.9532u	-1.0243u	-1.4876u
Zn 206.200	3.5018	3.1955	2.4606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7624b	ppb	0.0253	3.3	-124.744
Al 308.215	0.5832b	ppb	0.6121	105.0	268.838
As 188.980	1.2035b	ppb	1.6584	137.8	0.8403
B 249.678	9.6173b	ppb	0.9601	10.0	286.537
Ba 389.178	6.9891b	ppb	0.6617	9.5	147.798
Be 313.042	-0.0387b	ppb	0.0080	20.8	-279.942
Ca 370.602	60245b	ppb	424.3	0.7	198667
Cd 226.502	-0.1892b	ppb	0.2134	112.8	3.3143
Co 228.615	1.3033b	ppb	0.3224	24.7	27.1879
Cr 267.716	-0.1542b	ppb	0.0808	52.4	-1.8213
Cu 324.754	0.0884b	ppb	0.1464	165.6	114.639
Fe 271.441	0.2275b	ppb	1.1641	511.8	4.2491
K 766.491	621.081b	ppb	4.0738	0.7	31491.4
Mg 279.078	1880.70b	ppb	14.2726	0.8	3942.38
Mn 257.610	61.9718b	ppb	0.4523	0.7	14342.3
Mo 202.032	0.0275b	ppb	0.5219	1896.0	9.3955
Na 330.237	121709xb	ppb	1062.01	0.9	6281.64
Ni 231.604	13.7363b	ppb	1.4637	10.7	38.2448
Pb 220.353	-0.0691b	ppb	0.1850	267.9	3.4183
Sb 206.834	-1.6553b	ppb	4.8019	290.1	-0.0819
Se 196.026	3.9612b	ppb	2.3679	59.8	0.8236
Sn 189.925	1.9885b	ppb	0.4232	21.3	0.2892
Sr 216.596	118.455b	ppb	0.6334	0.5	1167.68
Ti 334.941	0.1605b	ppb	0.0474	29.5	-50.4718
Tl 190.794	-0.1395b	ppb	1.5166	1087.2	-1.3814
V 292.401	-1.1550b	ppb	0.2902	25.1	-29.5613
Zn 206.200	3.0526b	ppb	0.5351	17.5	873.1217

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680-88485-a-2-k (Samp) 3/26/2013, 3:32:25 PM Rack 1, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4834u	-0.4335u	-0.9704u
Al 308.215	2.5235	2.2780	2.3590
As 188.980	-0.7751	-2.4132u	-2.7485u
B 249.678	-1.2245u	-1.4751u	-2.6149u
Ba 389.178	7.1586	7.5882	6.8627
Be 313.042	-0.0303u	-0.0314u	-0.0373u
Ca 370.602	62666	62775	62627
Cd 226.502	0.0905	-0.0675u	-0.1039u
Co 228.615	0.4754	1.1642	0.0673
Cr 267.716	-0.3685u	-0.2775u	-0.2777u
Cu 324.754	0.1886	-0.0860u	0.3190
Fe 271.441	10.5003	12.1653	12.6666
K 766.491	290.262	292.256	291.664
Mg 279.078	708.346	698.716	700.257
Mn 257.610	49.7229	49.6964	49.6334
Mo 202.032	-0.0913u	-0.1226u	-0.3318u
Na 330.237	119607x	119503x	119310x
Ni 231.604	0.1096	-0.2921u	0.9819
Pb 220.353	0.7953	-3.2278u	-0.3254u
Sb 206.834	1.9399	4.6945	0.1676
Se 196.026	11.1210	1.1395	9.4236
Sn 189.925	0.9643	-1.1808u	3.6265
Sr 216.596	141.112	141.058	140.435
Ti 334.941	0.3799	0.1885	0.3708
Tl 190.794	2.1197	-1.0885u	4.9044
V 292.401	-1.0545u	-0.9712u	-1.1533u
Zn 206.200	13.1484	15.2506	13.8892

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6291b	ppb	0.2967	47.2	-116.332
Al 308.215	2.3868b	ppb	0.1251	5.2	279.344
As 188.980	-1.9789b	ppb	1.0559	53.4	-1.1088
B 249.678	-1.7715b	ppb	0.7411	41.8	179.025
Ba 389.178	7.2032b	ppb	0.3648	5.1	149.800
Be 313.042	-0.0330b	ppb	0.0038	11.4	-267.622
Ca 370.602	62689b	ppb	77.11	0.1	206725
Cd 226.502	-0.0270b	ppb	0.1033	383.0	9.4233
Co 228.615	0.5689b	ppb	0.5544	97.4	18.5601
Cr 267.716	-0.3079b	ppb	0.0525	17.0	-8.6157
Cu 324.754	0.1406b	ppb	0.2067	147.1	117.212
Fe 271.441	11.7774b	ppb	1.1341	9.6	23.7993
K 766.491	291.394b	ppb	1.0241	0.4	14884.1
Mg 279.078	702.440b	ppb	5.1729	0.7	1487.93
Mn 257.610	49.6843b	ppb	0.0460	0.1	11505.8
Mo 202.032	-0.1819b	ppb	0.1308	71.9	8.0053
Na 330.237	119473xb	ppb	150.755	0.1	6166.17
Ni 231.604	0.2665b	ppb	0.6513	244.4	3.0169
Pb 220.353	-0.9193b	ppb	2.0763	225.9	2.0116
Sb 206.834	2.2673b	ppb	2.2811	100.6	3.5757
Se 196.026	7.2280b	ppb	5.3407	73.9	2.4269
Sn 189.925	1.1367b	ppb	2.4082	211.9	-0.3727
Sr 216.596	140.868b	ppb	0.3763	0.3	1386.46
Ti 334.941	0.3130b	ppb	0.1080	34.5	-14.9690
Tl 190.794	1.9786b	ppb	2.9990	151.6	0.0856
V 292.401	-1.0597b	ppb	0.0911	8.6	-26.8717
Zn 206.200	14.0960b	ppb	1.0663	7.6	24.3938

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680-88489-b-1-j (Samp) 3/26/2013, 3:37:51 PM Rack 1, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6210u	0.1632	0.2188
Al 308.215	14.6766	11.4101	15.0013
As 188.980	-3.1115u	1.4502	-3.9214u
B 249.678	33.5501	34.1080	33.9746
Ba 389.178	9.9837	9.0675	10.0348
Be 313.042	-0.0184u	-0.0055u	-0.0126u
Ca 370.602	1369	1376	1383
Cd 226.502	0.0524	-0.0350	-0.0116
Co 228.615	0.7461	0.5283	0.5505
Cr 267.716	1.3449	1.2709	1.1052
Cu 324.754	0.2339	0.1897	0.7903
Fe 271.441	1812.24	1806.70	1827.13
K 766.491	247.564	248.071	249.849
Mg 279.078	164.136	166.790	169.446
Mn 257.610	19.6392	19.5385	19.7024
Mo 202.032	-0.1610u	-0.7280u	-0.3528u
Na 330.237	114659x	114650x	115577x
Ni 231.604	2.0695	1.9744	1.4643
Pb 220.353	-0.3657u	2.7326	-1.4187u
Sb 206.834	-3.3196u	-0.1418u	0.5662
Se 196.026	-1.1123u	0.4831	7.2014
Sn 189.925	1.1553	6.1356	0.5562
Sr 216.596	4.6822	3.7065	4.3245
Ti 334.941	0.6842	0.7215	0.6862
Tl 190.794	4.0161	-0.1385u	4.1488
V 292.401	0.1660	-0.0197u	-0.1221u
Zn 206.200	3.8243	4.1463	3.9743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0796b	ppb	0.4696	589.7	-71.9011
Al 308.215	13.6960b	ppb	1.9863	14.5	345.132
As 188.980	-1.8609b	ppb	2.8959	155.6	-1.5677
B 249.678	33.8776b	ppb	0.2914	0.9	513.846
Ba 389.178	9.6953b	ppb	0.5443	5.6	212.566
Be 313.042	-0.0122b	ppb	0.0065	53.0	-248.106
Ca 370.602	1376b	ppb	7.041	0.5	4379
Cd 226.502	0.0019b	ppb	0.0452	2324.3	14.9492
Co 228.615	0.6083b	ppb	0.1199	19.7	18.9877
Cr 267.716	1.2403b	ppb	0.1228	9.9	59.1600
Cu 324.754	0.4046b	ppb	0.3347	82.7	130.731
Fe 271.441	1815.36b	ppb	10.5687	0.6	3090.94
K 766.491	248.495b	ppb	1.2003	0.5	12723.2
Mg 279.078	166.790b	ppb	2.6553	1.6	372.817
Mn 257.610	19.6267b	ppb	0.0827	0.4	4584.29
Mo 202.032	-0.4139b	ppb	0.2884	69.7	6.3809
Na 330.237	114962xb	ppb	532.693	0.5	5932.86
Ni 231.604	1.8361b	ppb	0.3255	17.7	7.1592
Pb 220.353	0.3161b	ppb	2.1579	682.7	4.0456
Sb 206.834	-0.9651b	ppb	2.0696	214.5	0.6170
Se 196.026	2.1907b	ppb	4.4121	201.4	-0.0469
Sn 189.925	2.6157b	ppb	3.0630	117.1	0.7515
Sr 216.596	4.2378b	ppb	0.4936	11.6	50.4677
Ti 334.941	0.6973b	ppb	0.0210	3.0	85.0076
Tl 190.794	2.6755b	ppb	2.4379	91.1	0.5313
V 292.401	0.0081b	ppb	0.1460	1806.6	3.1703
Zn 206.200	3.9816b	ppb	0.1611	407.0	8.5703

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680-88441-a-2-c (Samp) 3/26/2013, 3:43:16 PM Rack 1, Tube 10
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2045u	-0.2015u	0.1044
Al 308.215	7.7993	8.4527	8.7752
As 188.980	-0.3160u	-1.5402u	-3.7774u
B 249.678	0.2157	0.6610	1.0508
Ba 389.178	270.597	270.651	270.434
Be 313.042	-0.0211u	-0.0205u	-0.0192u
Ca 370.602	1247	1246	1251
Cd 226.502	-0.0861u	0.0001u	-0.0131u
Co 228.615	36.7019	36.0736	36.9558
Cr 267.716	-0.0798u	-0.1839u	0.0291
Cu 324.754	1.4460	1.5877	1.3865
Fe 271.441	18.4342	12.5017	17.5712
K 766.491	224.922	225.069	225.642
Mg 279.078	120.787	126.764	118.672
Mn 257.610	9.3716	9.4584	9.3501
Mo 202.032	2.3087	1.5412	1.5030
Na 330.237	128488x	127961x	127795x
Ni 231.604	-0.2692u	-1.1973u	-0.3273u
Pb 220.353	-0.6603u	-5.4918u	2.6680
Sb 206.834	-0.8168u	-3.7316u	0.3642
Se 196.026	4.5084	7.0432	2.5685
Sn 189.925	-0.0647u	3.4244	6.1360
Sr 216.596	2.6589	3.5598	3.3909
Ti 334.941	0.3904	0.3384	0.3835
Tl 190.794	-2.3055u	1.7281	-3.9662u
V 292.401	-0.1994u	0.1435	-0.7308u
Zn 206.200	102.632	102.357	101.776

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1005b	ppb	0.1775	176.5	-73.3694
Al 308.215	8.3424b	ppb	0.4972	6.0	314.228
As 188.980	-1.8779b	ppb	1.7553	93.5	-1.5616
B 249.678	0.6425b	ppb	0.4178	65.0	201.800
Ba 389.178	270.561b	ppb	0.1130	0.0	6650.89
Be 313.042	-0.0203b	ppb	0.0010	4.7	-266.029
Ca 370.602	1248b	ppb	2.342	0.2	4108
Cd 226.502	-0.0330b	ppb	0.0464	140.5	9.1716
Co 228.615	36.5771b	ppb	0.4542	1.2	441.564
Cr 267.716	-0.0782b	ppb	0.1065	136.2	1.3878
Cu 324.754	1.4734b	ppb	0.1034	7.0	182.928
Fe 271.441	16.1691b	ppb	3.2052	19.8	36.8384
K 766.491	225.211b	ppb	0.3802	0.2	11550.3
Mg 279.078	122.074b	ppb	4.1966	3.4	279.504
Mn 257.610	9.3934b	ppb	0.0573	0.6	2222.20
Mo 202.032	1.7843b	ppb	0.4546	25.5	21.0515
Na 330.237	128081xb	ppb	362.088	0.3	6609.78
Ni 231.604	-0.5980b	ppb	0.5199	86.9	0.7565
Pb 220.353	-1.1614b	ppb	4.1029	353.3	1.5889
Sb 206.834	-1.3947b	ppb	2.1082	151.2	0.1408
Se 196.026	4.7067b	ppb	2.2440	47.7	1.1773
Sn 189.925	3.1652b	ppb	3.1085	98.2	1.1831
Sr 216.596	3.2032b	ppb	0.4789	14.9	39.6791
Ti 334.941	0.3708b	ppb	0.0282	7.6	-2.8128
Tl 190.794	-1.5145b	ppb	2.9284	193.4	-2.2609
V 292.401	-0.2622b	ppb	0.4405	168.0	-4.8564
Zn 206.200	102.255b	ppb	0.4372	0.4	162.272

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680-88470-a-1-e (Samp) 3/26/2013, 3:48:43 PM Rack 1, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2579	-0.6876u	-0.0980u
Al 308.215	4.2810	3.6695	0.8441
As 188.980	-0.0405u	0.4942	7.4564
B 249.678	34.2719	34.6108	34.2225
Ba 389.178	1.3360	1.9952	0.9405
Be 313.042	-0.0194u	-0.0140u	-0.0199u
Ca 370.602	2886	2877	2874
Cd 226.502	0.0680	0.0340	0.0919
Co 228.615	0.5137	0.1450	-0.0440u
Cr 267.716	-0.0374	0.1499	0.0372
Cu 324.754	0.3157	0.7271	0.3530
Fe 271.441	6.5418	7.7297	4.5161
K 766.491	111.210	110.683	110.442
Mg 279.078	99.6310	103.832	101.390
Mn 257.610	2.6905	2.6678	2.5772
Mo 202.032	15.8895	15.7526	16.3004
Na 330.237	120931x	120336x	120193x
Ni 231.604	0.5336	-0.5037u	-0.7288u
Pb 220.353	-0.9470u	2.0872	-2.4200u
Sb 206.834	-1.0181u	4.0070	-3.6246u
Se 196.026	13.7043	8.5649	2.6103
Sn 189.925	-0.1573u	5.6319	0.3287
Sr 216.596	2.6154	2.2936	1.7333
Ti 334.941	0.2278	0.2501	0.2128
Tl 190.794	3.7024	-1.4449u	-5.5704u
V 292.401	-0.4190u	-0.2006u	-0.4516u
Zn 206.200	10.7020	11.4317	11.3333

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1759b	ppb	0.4775	271.5	-78.6803
Al 308.215	2.9315b	ppb	1.8334	62.5	284.662
As 188.980	2.6367b	ppb	4.1825	158.6	1.2421
B 249.678	34.3684b	ppb	0.2114	0.6	520.176
Ba 389.178	1.4239b	ppb	0.5328	37.4	5.5080
Be 313.042	-0.0177b	ppb	0.0032	18.3	-261.774
Ca 370.602	2879b	ppb	6.182	0.2	9487
Cd 226.502	0.0646b	ppb	0.0291	45.1	12.8550
Co 228.615	0.2049b	ppb	0.2836	138.4	13.7369
Cr 267.716	0.0499b	ppb	0.0943	189.0	6.8285
Cu 324.754	0.4653b	ppb	0.2275	48.9	133.643
Fe 271.441	6.2625b	ppb	1.6249	25.9	14.3922
K 766.491	110.779b	ppb	0.3929	0.4	5786.03
Mg 279.078	101.618b	ppb	2.1099	2.1	236.993
Mn 257.610	2.6451b	ppb	0.0600	2.3	667.891
Mo 202.032	15.9808b	ppb	0.2851	1.8	115.262
Na 330.237	120486xb	ppb	391.528	0.3	6218.47
Ni 231.604	-0.2330b	ppb	0.6734	289.1	1.7108
Pb 220.353	-0.4266b	ppb	2.2982	538.7	2.7941
Sb 206.834	-0.2119b	ppb	3.8791	1830.4	1.0607
Se 196.026	8.2932b	ppb	5.5520	66.9	2.9390
Sn 189.925	1.9344b	ppb	3.2113	166.0	0.2244
Sr 216.596	2.2141b	ppb	0.4464	20.2	29.7137
Ti 334.941	0.2303b	ppb	0.0188	8.2	-39.5400
Tl 190.794	-1.1043b	ppb	4.6458	420.7	-1.9895
V 292.401	-0.3571b	ppb	0.1365	38.2	-10.3668
Zn 206.200	11.1557b	ppb	0.3960	3.5	10.7943

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lb 680-270181/3-c (Samp) **3/26/2013, 3:54:09 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0664	0.4491	-0.2000u
Al 308.215	2.4945	5.8802	2.8913
As 188.980	-11.0080u	-4.9007u	1.2026
B 249.678	36.0891	36.6604	36.7617
Ba 389.178	0.7227	1.3857	-0.1976u
Be 313.042	-0.0172u	-0.0141u	0.0027u
Ca 370.602	484.1	484.0	488.1
Cd 226.502	0.2029	-0.0556u	-0.1610u
Co 228.615	-0.3308u	-0.3097u	0.1031
Cr 267.716	0.2234	0.3871	0.3261
Cu 324.754	1.2514	1.6612	0.8430
Fe 271.441	105.859	106.776	107.349
K 766.491	105.985	106.161	106.029
Mg 279.078	96.0995	91.2735	89.2367
Mn 257.610	2.4782	2.5123	2.4940
Mo 202.032	0.1707	-0.2089u	-0.2574u
Na 330.237	120934x	118505x	119879x
Ni 231.604	-0.9475u	1.0829	0.6079
Pb 220.353	-3.6105u	2.1764	-2.6848u
Sb 206.834	2.1761	2.1244	-4.9124u
Se 196.026	15.2897	6.4259	9.3139
Sn 189.925	-1.8263u	1.2115	3.1677
Sr 216.596	0.9689	0.9461	0.8560
Ti 334.941	0.1680	0.2405	0.2201
Tl 190.794	-2.9766u	3.4841	-3.4887u
V 292.401	-0.1308u	-0.2022u	-0.0542u
Zn 206.200	2.7191	2.2594	4.0786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1051b	ppb	0.3263	310.3	-58.8612
Al 308.215	3.7553b	ppb	1.8509	49.3	287.282
As 188.980	-4.9020b	ppb	6.1053	124.5	-3.4398
B 249.678	36.5037b	ppb	0.3626	1.0	540.242
Ba 389.178	0.6369b	ppb	0.7951	124.8	-13.8835
Be 313.042	-0.0095b	ppb	0.0107	112.5	-243.833
Ca 370.602	485.4b	ppb	2.349	0.5	1586
Cd 226.502	-0.0045b	ppb	0.1873	4121.1	10.4972
Co 228.615	-0.1791b	ppb	0.2447	136.6	9.7717
Cr 267.716	0.3122b	ppb	0.0827	26.5	18.2843
Cu 324.754	1.2518b	ppb	0.4091	32.7	171.987
Fe 271.441	106.661b	ppb	0.7516	0.7	185.020
K 766.491	106.058b	ppb	0.0916	0.1	5548.26
Mg 279.078	92.2032b	ppb	3.5246	3.8	217.400
Mn 257.610	2.4949b	ppb	0.0171	0.7	633.475
Mo 202.032	-0.0985b	ppb	0.2344	237.9	8.5525
Na 330.237	119773xb	ppb	1218.22	1.0	6181.66
Ni 231.604	0.2478b	ppb	1.0620	428.6	2.9701
Pb 220.353	-1.3730b	ppb	3.1085	226.4	1.2528
Sb 206.834	-0.2040b	ppb	4.0777	1999.0	1.2790
Se 196.026	10.3432b	ppb	4.5206	43.7	3.9476
Sn 189.925	0.8510b	ppb	2.5165	295.7	-0.6189
Sr 216.596	0.9237b	ppb	0.0597	6.5	17.4819
Ti 334.941	0.2095b	ppb	0.0374	17.8	-44.9863
Tl 190.794	-0.9938b	ppb	3.8864	391.1	-1.9121
V 292.401	-0.1291b	ppb	0.0740	57.4	-0.7228
Zn 206.200	3.0191b	ppb	0.9460	31.3	7.0679

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Cont Calib Verif (CCV) 3/26/2013, 3:59:34 PM Rack 1, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	510.337	513.604	502.659
Al 308.215	5065.60	5066.20	5038.11
As 188.980	461.086	452.826	449.079
B 249.678	2547.81	2568.01	2573.67
Ba 389.178	5005.87	5009.44	4981.83
Be 313.042	499.174	500.062	497.842
Ca 370.602	4993	5011	4987
Cd 226.502	497.146	497.943	494.752
Co 228.615	506.540	502.194	501.373
Cr 267.716	4940.44	4959.27	4952.40
Cu 324.754	4971.49	4923.83	4885.85
Fe 271.441	5051.39	5051.46	5015.92
K 766.491	10269.5	10303.7	10052.6
Mg 279.078	4997.33	5021.65	4993.62
Mn 257.610	5019.36	5042.37	5006.14
Mo 202.032	491.737	494.587	492.837
Na 330.237	7277.44	7403.96	7438.35
Ni 231.604	2517.85	2526.27	2516.22
Pb 220.353	491.260	504.840	500.888
Sb 206.834	946.296	945.804	958.531
Se 196.026	4983.44	4987.87	4971.86
Sn 189.925	5059.80	5087.48	5046.81
Sr 216.596	2490.88	2496.27	2495.67
Ti 334.941	497.965	499.301	498.687
Tl 190.794	4994.30	5027.02	4985.88
V 292.401	5014.67	5008.21	4986.90
Zn 206.200	2492.28	2490.53	2486.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	508.867	ppb	5.6189	1.1	35681.6	101.77332
Al 308.215	5056.64	ppb	16.0459	0.3	29686.9	101.13275
As 188.980	454.331	ppb	6.1432	1.4	280.607	90.86615
B 249.678	2563.16	ppb	13.5931	0.5	24386.6	102.52654
Ba 389.178	4999.05	ppb	15.0194	0.3	123440	99.98093
Be 313.042	499.026	ppb	1.1174	0.2	979092	99.80522
Ca 370.602	4997	ppb	12.68	0.3	16334	99.94152
Cd 226.502	496.614	ppb	1.6607	0.3	18692.4	99.32274
Co 228.615	503.369	ppb	2.7766	0.6	5934.85	100.67376
Cr 267.716	4950.70	ppb	9.5283	0.2	216106	99.01402
Cu 324.754	4927.06	ppb	42.9105	0.9	242856	98.54116
Fe 271.441	5039.59	ppb	20.4958	0.4	8698.14	100.79182
K 766.491	10208.6	ppb	136.158	1.3	514441	102.08590
Mg 279.078	5004.20	ppb	15.2245	0.3	10370.4	100.08392
Mn 257.610	5022.63	ppb	18.3340	0.4	1156882	100.45253
Mo 202.032	493.054	ppb	1.4372	0.3	3272.34	98.61071
Na 330.237	7373.25	ppb	84.7387	1.1	356.524	98.31001
Ni 231.604	2520.11	ppb	5.3945	0.2	6593.35	100.80459
Pb 220.353	498.996	ppb	6.9846	1.4	827.503	99.79919
Sb 206.834	950.210	ppb	7.2098	0.8	931.646	95.02103
Se 196.026	4981.06	ppb	8.2655	0.2	2449.34	99.62113
Sn 189.925	5064.69	ppb	20.7735	0.4	3935.43	101.29388
Sr 216.596	2494.27	ppb	2.9531	0.1	24255.0	99.77084
Ti 334.941	498.651	ppb	0.6684	0.1	131942	99.73019
Tl 190.794	5002.40	ppb	21.7367	0.4	3431.60	100.04802
V 292.401	5003.26	ppb	14.5305	0.3	140324	100.06525
Zn 206.200	2489.61	ppb	3.2320	0.1	3880.82	99.58427

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Cont Calib Blank (CCB) 3/26/2013, 4:04:58 PM Rack 1, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1384u	0.3948	0.1703
Al 308.215	-3.2192u	-3.7153u	-2.3798u
As 188.980	0.7144	1.2983	-2.8899u
B 249.678	46.5895	40.4120	36.1893
Ba 389.178	0.1820	0.1739	-0.8132u
Be 313.042	0.0107	-0.0046u	-0.0031u
Ca 370.602	4.783	0.5418	-6.903u
Cd 226.502	-0.0480u	-0.1310u	-0.1448u
Co 228.615	0.0196	0.3911	0.0323
Cr 267.716	0.0241	0.1726	-0.0543u
Cu 324.754	0.4452	-0.0213u	-0.2607u
Fe 271.441	-1.3695u	0.1046	-3.4318u
K 766.491	-0.0352u	-0.1398u	0.4195
Mg 279.078	-0.7678u	0.1498	0.7788
Mn 257.610	0.1650	0.1402	0.1018
Mo 202.032	0.8314	1.2619	0.1466
Na 330.237	121.865	16.4669	-41.7395u
Ni 231.604	1.0716	0.0293	-2.5477u
Pb 220.353	0.9198	-1.8546u	-1.5989u
Sb 206.834	5.8112	1.7210	6.5178
Se 196.026	4.1882	3.8746	-0.4745u
Sn 189.925	2.6784	-1.8542u	2.5435
Sr 216.596	-0.0207u	-0.5559u	-0.2394u
Ti 334.941	0.1150	0.2284	0.0827
Tl 190.794	-1.8267u	5.1667	3.8172
V 292.401	0.4002	0.0659	-0.1310u
Zn 206.200	-1.3703u	-1.1863u	-0.0590u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1422	ppb	0.2677	188.3	-56.1998	0.14219
Al 308.215	-3.1048	ppb	0.6751	21.7	247.410	-3.10477
As 188.980	-0.2924	ppb	2.2684	775.8	-0.5903	-0.29240
B 249.678	41.0636	ppb	5.2306	12.7	583.388	41.06360
Ba 389.178	-0.1524	ppb	0.5722	375.4	-33.7950	-0.15242
Be 313.042	0.0010	ppb	0.0084	844.1	-208.773	0.00100
Ca 370.602	-0.5262	ppb	5.916	1124.3	-7.433	-0.52617
Cd 226.502	-0.1079	ppb	0.0523	48.5	7.0261	-0.10795
Co 228.615	0.1477	ppb	0.2109	142.8	13.5928	0.14765
Cr 267.716	0.0475	ppb	0.1152	242.8	4.7261	0.04747
Cu 324.754	0.0544	ppb	0.3590	659.9	112.965	0.05441
Fe 271.441	-1.5656	ppb	1.7763	113.5	1.0545	-1.56556
K 766.491	0.0815	ppb	0.2973	364.9	209.920	0.08150
Mg 279.078	0.0536	ppb	0.7778	1451.7	25.4461	0.05358
Mn 257.610	0.1357	ppb	0.0318	23.5	89.9548	0.13566
Mo 202.032	0.7466	ppb	0.5625	75.3	14.1656	0.74662
Na 330.237	32.1974	ppb	82.9288	257.6	1.6591	32.19741
Ni 231.604	-0.4823	ppb	1.8631	386.3	1.0585	-0.48228
Pb 220.353	-0.8446	ppb	1.5333	181.6	2.1240	-0.84457
Sb 206.834	4.6833	ppb	2.5896	55.3	5.8260	4.68333
Se 196.026	2.5294	ppb	2.6062	103.0	0.1043	2.52942
Sn 189.925	1.1226	ppb	2.5789	229.7	-0.4483	1.12257
Sr 216.596	-0.2720	ppb	0.2691	98.9	5.7395	-0.27203
Ti 334.941	0.1420	ppb	0.0765	53.9	-54.3166	0.14204
Tl 190.794	2.3857	ppb	3.7099	155.5	0.4157	2.38574
V 292.401	0.1117	ppb	0.2686	240.4	6.9324	0.11171
Zn 206.200	-0.8719	ppb	0.7999	412.4	0.9835	-0.87186

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680-88510-a-17-b (Samp) 3/26/2013, 4:10:22 PM Rack 1, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1684	0.1037	0.2575
Al 308.215	13.3441	13.4637	9.4836
As 188.980	-1.4287u	-4.1589u	-5.2051u
B 249.678	75.9003	76.8673	73.6883
Ba 389.178	-0.8419u	0.3152	-0.1335u
Be 313.042	-0.0149u	-0.0045u	-0.0034u
Ca 370.602	434.8	432.6	435.5
Cd 226.502	-0.0429u	-0.0837u	-0.1861u
Co 228.615	0.0790	0.7999	-0.2867u
Cr 267.716	0.2388	0.0476	0.2999
Cu 324.754	1.3944	2.4852	1.5606
Fe 271.441	7.3783	4.8415	7.2855
K 766.491	89.5513	92.0864	90.7490
Mg 279.078	100.464	100.959	104.488
Mn 257.610	0.0572	0.0818	0.0775
Mo 202.032	0.3708	-0.5445u	0.1822
Na 330.237	3660.95	3860.18	3682.32
Ni 231.604	-0.1979u	0.4194	-0.2295u
Pb 220.353	-1.7948u	0.1492	4.6539
Sb 206.834	-1.8282u	2.7947	1.1817
Se 196.026	15.7518	-3.4268u	2.0306
Sn 189.925	4.2917	0.2108	0.4637
Sr 216.596	0.9833	1.1203	0.9468
Ti 334.941	0.2802	0.2135	0.2788
Tl 190.794	-3.7086u	0.6150	-0.0194u
V 292.401	0.1064	-0.5318u	-0.0274u
Zn 206.200	1.1553	0.9755	2.3264

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1765	ppb	0.0773	43.8	-53.8365
Al 308.215	12.0971	ppb	2.2642	18.7	335.851
As 188.980	-3.5976	ppb	1.9498	54.2	-2.6320
B 249.678	75.4853	ppb	1.6296	2.2	908.313
Ba 389.178	-0.2201	ppb	0.5834	265.1	-35.1685
Be 313.042	-0.0076	ppb	0.0064	83.7	-225.825
Ca 370.602	434.3	ppb	1.508	0.3	1426
Cd 226.502	-0.1042	ppb	0.0738	70.8	7.1673
Co 228.615	0.1974	ppb	0.5529	280.1	14.2018
Cr 267.716	0.1955	ppb	0.1316	67.3	11.2526
Cu 324.754	1.8134	ppb	0.5877	32.4	199.627
Fe 271.441	6.5018	ppb	1.4385	22.1	14.6927
K 766.491	90.7956	ppb	1.2682	1.4	4779.44
Mg 279.078	101.970	ppb	2.1948	2.2	237.766
Mn 257.610	0.0722	ppb	0.0131	18.2	75.9133
Mo 202.032	0.0029	ppb	0.4833	16935.2	9.2299
Na 330.237	3734.48	ppb	109.376	2.9	192.723
Ni 231.604	-0.0027	ppb	0.3659	13693.2	2.3130
Pb 220.353	1.0027	ppb	3.3080	329.9	5.1756
Sb 206.834	0.7161	ppb	2.3463	327.7	2.1349
Se 196.026	4.7852	ppb	9.8816	206.5	1.2135
Sn 189.925	1.6554	ppb	2.2866	138.1	-0.0328
Sr 216.596	1.0168	ppb	0.0915	9.0	18.3525
Ti 334.941	0.2575	ppb	0.0381	14.8	-23.5895
Tl 190.794	-1.0377	ppb	2.3347	225.0	-1.9363
V 292.401	-0.1509	ppb	0.3366	223.0	-0.3650
Zn 206.200	1.4857	ppb	0.7336	49.4	4.6702

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680-88510-a-17-bSD^5 (Samp) 3/26/2013, 4:15:46 PM Rack 1, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1583u	0.2257	0.4018
Al 308.215	1.2939	-1.1623u	0.2895
As 188.980	-2.3006u	-2.8163u	0.0873
B 249.678	10.0245	9.0045	8.1106
Ba 389.178	-0.3037u	0.5160	0.0187
Be 313.042	-0.0057u	-0.0199u	-0.0195u
Ca 370.602	96.05	92.36	89.41
Cd 226.502	0.0248	0.0296	-0.0262u
Co 228.615	0.3905	0.0842	0.9237
Cr 267.716	-0.5498u	0.2367	-0.0313u
Cu 324.754	0.0896	0.4181	0.8410
Fe 271.441	-0.7864u	-0.7562u	-1.5862u
K 766.491	19.0088	18.8209	18.5195
Mg 279.078	21.9588	23.0871	18.8729
Mn 257.610	0.0096	-0.0103u	0.0393
Mo 202.032	-0.1063u	-0.5563u	-0.5257u
Na 330.237	657.855	832.977	939.406
Ni 231.604	-2.1581u	-1.6197u	-0.2231u
Pb 220.353	-1.1123u	2.5709	-0.7492u
Sb 206.834	2.0721	0.2854	7.3683
Se 196.026	1.3074	-2.8536u	2.3326
Sn 189.925	1.7329	2.2952	1.1685
Sr 216.596	-0.1801u	0.3656	0.6661
Ti 334.941	0.0088	0.0360	0.0767
Tl 190.794	0.9705	-0.1390u	-0.6120u
V 292.401	-0.0152u	-0.3289u	0.1072
Zn 206.200	0.1320	-0.3985u	0.0079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1564	ppb	0.2864	183.1	-55.2164
Al 308.215	0.1403	ppb	1.2349	879.9	266.160
As 188.980	-1.6765	ppb	1.5491	92.4	-1.4459
B 249.678	9.0465	ppb	0.9577	10.6	281.149
Ba 389.178	0.0770	ppb	0.4130	536.5	-28.0669
Be 313.042	-0.0150	ppb	0.0081	53.8	-240.148
Ca 370.602	92.61	ppb	3.327	3.6	299.1
Cd 226.502	0.0094	ppb	0.0309	330.2	11.4476
Co 228.615	0.4661	ppb	0.4249	91.1	17.3687
Cr 267.716	-0.1148	ppb	0.3998	348.4	-2.3421
Cu 324.754	0.4495	ppb	0.3767	83.8	132.409
Fe 271.441	-1.0429	ppb	0.4707	45.1	1.8245
K 766.491	18.7830	ppb	0.2468	1.3	1151.97
Mg 279.078	21.3063	ppb	2.1816	10.2	69.7238
Mn 257.610	0.0129	ppb	0.0250	193.9	61.8129
Mo 202.032	-0.3961	ppb	0.2514	63.5	6.5823
Na 330.237	810.079	ppb	142.165	17.5	41.8050
Ni 231.604	-1.3337	ppb	0.9987	74.9	-1.1680
Pb 220.353	0.2364	ppb	2.0298	858.5	3.9110
Sb 206.834	3.2419	ppb	3.6835	113.6	4.4937
Se 196.026	0.2621	ppb	2.7466	1047.8	-1.0105
Sn 189.925	1.7322	ppb	0.5634	32.5	0.0258
Sr 216.596	0.2839	ppb	0.4290	151.1	11.2159
Ti 334.941	0.0405	ppb	0.0342	84.4	-81.1672
Tl 190.794	0.0732	ppb	0.8123	1110.3	-1.1730
V 292.401	-0.0790	ppb	0.2249	284.8	1.7963
Zn 206.200	-0.0862	ppb	0.2775	421.8	-2.2128

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680-88510-a-17-bPDS (Samp) **3/26/2013, 4:21:21 PM** **Rack 1, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.2019	50.6525	51.7252
Al 308.215	1989.72	1993.70	1981.51
As 188.980	2190.80	2201.81	2186.42
B 249.678	1121.56	1132.89	1133.47
Ba 389.178	2095.05	2102.96	2092.05
Be 313.042	51.5336	51.7468	51.4841
Ca 370.602	5517	5536	5516
Cd 226.502	51.4274	51.8259	51.3622
Co 228.615	522.862	523.876	517.958
Cr 267.716	204.976	205.368	204.391
Cu 324.754	260.584	260.185	263.183
Fe 271.441	1032.34	1043.34	1033.51
K 766.491	5381.09	5401.42	5397.39
Mg 279.078	5304.63	5323.60	5283.91
Mn 257.610	525.219	527.200	524.519
Mo 202.032	522.179	525.036	522.303
Na 330.237	8808.66	8821.28	8637.41
Ni 231.604	511.489	518.390	514.163
Pb 220.353	507.005	515.708	511.450
Sb 206.834	499.726	507.277	502.612
Se 196.026	2043.29	2065.50	2046.15
Sn 189.925	1062.00	1054.87	1049.38
Sr 216.596	535.480	536.423	533.831
Ti 334.941	1036.67	1040.64	1035.50
Tl 190.794	2128.34	2130.53	2116.33
V 292.401	516.809	519.412	515.631
Zn 206.200	506.039	504.178	504.582

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1932	ppb	0.5364	1.0	3518.21
Al 308.215	1988.31	ppb	6.2155	0.3	11904.7
As 188.980	2193.01	ppb	7.9261	0.4	1356.61
B 249.678	1129.31	ppb	6.7150	0.6	10855.2
Ba 389.178	2096.69	ppb	5.6332	0.3	51760.7
Be 313.042	51.5882	ppb	0.1396	0.3	100950
Ca 370.602	5523	ppb	11.11	0.2	18335
Cd 226.502	51.5385	ppb	0.2510	0.5	1951.22
Co 228.615	521.565	ppb	3.1652	0.6	6149.19
Cr 267.716	204.912	ppb	0.4920	0.2	8947.69
Cu 324.754	261.317	ppb	1.6280	0.6	12996.2
Fe 271.441	1036.40	ppb	6.0398	0.6	1851.77
K 766.491	5393.30	ppb	10.7655	0.2	271881
Mg 279.078	5304.05	ppb	19.8494	0.4	11066.5
Mn 257.610	525.646	ppb	1.3903	0.3	121155
Mo 202.032	523.173	ppb	1.6146	0.3	3480.12
Na 330.237	8755.78	ppb	102.709	1.2	439.699
Ni 231.604	514.681	ppb	3.4796	0.7	1348.40
Pb 220.353	511.388	ppb	4.3519	0.9	846.724
Sb 206.834	503.205	ppb	3.8101	0.8	466.684
Se 196.026	2051.65	ppb	12.0817	0.6	1007.80
Sn 189.925	1055.42	ppb	6.3242	0.6	819.053
Sr 216.596	535.245	ppb	1.3122	0.2	5198.56
Ti 334.941	1037.60	ppb	2.6945	0.3	274625
Tl 190.794	2125.07	ppb	7.6441	0.4	1458.19
V 292.401	517.284	ppb	1.9350	0.4	14451.7
Zn 206.200	504.933	ppb	0.9791	0.2	791.421

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680-88468-a-1-e (Samp) 3/26/2013, 4:26:47 PM Rack 1, Tube 18
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3653u	-1.4058u	0.0683u
Al 308.215	5.4178	6.4323	4.0451
As 188.980	-4.9187u	-3.5879u	0.7452
B 249.678	92.9216	90.8867	87.6137
Ba 389.178	43.3899	44.0309	42.4392
Be 313.042	0.1895u	0.1972u	0.1962u
Ca 370.602	21723	21713	21674
Cd 226.502	0.4055u	0.4936u	0.2341u
Co 228.615	0.5223	-0.1743u	0.4134
Cr 267.716	-1.7936u	-2.2300u	-1.8129u
Cu 324.754	1.0177	0.7222	0.8456
Fe 271.441	17.6748	16.5680	21.5359
K 766.491	4239.72	4251.22	4247.52
Mg 279.078	2002.32	2003.50	2002.01
Mn 257.610	19.6871	19.6242	19.6053
Mo 202.032	2.4370	1.6255	2.3751
Na 330.237	3752300x	3756904x	3774358x
Ni 231.604	-1.1538u	0.8611	0.2933
Pb 220.353	-2.6747u	1.5857	0.0340
Sb 206.834	4.1168	1.2496	-3.9134u
Se 196.026	14.6669	4.9858	13.2473
Sn 189.925	0.1294	3.6409	-1.9994u
Sr 216.596	1679.78	1674.13	1674.96
Ti 334.941	1.1231	1.1773	1.1267
Tl 190.794	3.7737	0.1022	0.6776
V 292.401	1.4177	1.3527	1.4492
Zn 206.200	21.3550	22.5477	20.3178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3240b	ppb	0.9485	292.7	-159.830
Al 308.215	5.2984b	ppb	1.1980	22.6	296.593
As 188.980	-2.5872b	ppb	2.9616	114.5	-1.8308
B 249.678	90.4740b	ppb	2.6779	3.0	1049.80
Ba 389.178	43.2867b	ppb	0.8009	1.9	1044.43
Be 313.042	0.1943b	ppb	0.0042	2.2	-282.242
Ca 370.602	21703b	ppb	26.15	0.1	71564
Cd 226.502	0.3777b	ppb	0.1320	34.9	3.8799
Co 228.615	0.2538b	ppb	0.3747	147.6	14.7754
Cr 267.716	-1.9455b	ppb	0.2466	12.7	-20.4286
Cu 324.754	0.8618b	ppb	0.1484	17.2	152.806
Fe 271.441	18.5929b	ppb	2.6081	14.0	35.2980
K 766.491	4246.16b	ppb	5.8713	0.1	214096
Mg 279.078	2002.61b	ppb	0.7862	0.0	4197.03
Mn 257.610	19.6389b	ppb	0.0428	0.2	4572.65
Mo 202.032	2.1459b	ppb	0.4518	21.1	23.4498
Na 330.237	3761187xb	ppb	11635.9	0.3	194123
Ni 231.604	0.0002b	ppb	1.0389	530766.0	2.3208
Pb 220.353	-0.3517b	ppb	2.1562	613.2	2.9397
Sb 206.834	0.4843b	ppb	4.0694	840.2	1.8771
Se 196.026	10.9667b	ppb	5.2280	47.7	4.2579
Sn 189.925	0.5903b	ppb	2.8483	482.5	0.4133
Sr 216.596	1676.29b	ppb	3.0481	0.2	16340.7
Ti 334.941	1.1424b	ppb	0.0303	2.7	-61.9109
Tl 190.794	1.5178b	ppb	1.9747	130.1	-0.2015
V 292.401	1.4065b	ppb	0.0492	3.5	12.0784
Zn 206.200	21.4068b	ppb	1.1458	5.2	35.8288

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680-88468-a-1-f ms (Samp) 3/26/2013, 4:32:12 PM Rack 1, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	84.7823	85.1230	85.0668
Al 308.215	791.938	789.260	793.220
As 188.980	86.1941	91.5019	88.0090
B 249.678	211.793	212.201	213.137
Ba 389.178	106.492	106.103	107.691
Be 313.042	78.4879	78.3070	78.5019
Ca 370.602	23837	23790	23831
Cd 226.502	77.1942	77.2369	77.2972
Co 228.615	74.5460	74.4384	74.5407
Cr 267.716	73.6259	73.8105	73.3569
Cu 324.754	79.1170	78.7987	78.3150
Fe 271.441	7456.10	7434.85	7462.18
K 766.491	17370.4	17402.0	17454.0
Mg 279.078	8817.86	8793.65	8800.06
Mn 257.610	780.449	779.727	779.955
Mo 202.032	77.0068	77.0285	76.4558
Na 330.237	2935819x	2926136x	2935919x
Ni 231.604	73.3283	76.4835	73.3809
Pb 220.353	73.2389	74.7212	75.1478
Sb 206.834	75.5814	79.4008	83.7891
Se 196.026	103.860	91.2509	92.5807
Sn 189.925	70.0625	74.9151	75.1777
Sr 216.596	1361.71	1358.71	1359.25
Ti 334.941	75.4787	75.3939	75.5419
Tl 190.794	13.3199	16.0962	13.3854
V 292.401	77.5423	77.1841	77.6971
Zn 206.200	99.2143	97.4249	97.4277

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	84.9907b	ppb	0.1827	0.2	5859.90
Al 308.215	791.473b	ppb	2.0206	0.3	4883.15
As 188.980	88.5684b	ppb	2.6977	3.0	54.5018
B 249.678	212.377b	ppb	0.6888	0.3	2193.55
Ba 389.178	106.762b	ppb	0.8280	0.8	2642.55
Be 313.042	78.4323b	ppb	0.1087	0.1	153382
Ca 370.602	23819b	ppb	25.60	0.1	77952
Cd 226.502	77.2428b	ppb	0.0518	0.1	2916.46
Co 228.615	74.5084b	ppb	0.0606	0.1	886.571
Cr 267.716	73.5978b	ppb	0.2281	0.3	3267.28
Cu 324.754	78.7436b	ppb	0.4038	0.5	3993.86
Fe 271.441	7451.04b	ppb	14.3489	0.2	12687.2
K 766.491	17408.8b	ppb	42.2331	0.2	877134
Mg 279.078	8803.85b	ppb	12.5450	0.1	18355.0
Mn 257.610	780.044b	ppb	0.3688	0.0	179767
Mo 202.032	76.8304b	ppb	0.3246	0.4	518.594
Na 330.237	2932625xb	ppb	5619.50	0.2	151356
Ni 231.604	74.3975b	ppb	1.8067	2.4	197.048
Pb 220.353	74.3693b	ppb	1.0020	1.3	126.327
Sb 206.834	79.5904b	ppb	4.1071	5.2	76.1590
Se 196.026	95.8972b	ppb	6.9280	7.2	46.2489
Sn 189.925	73.3851b	ppb	2.8805	3.9	56.7174
Sr 216.596	1359.89b	ppb	1.5976	0.1	13257.7
Ti 334.941	75.4715b	ppb	0.0743	0.1	19707.9
Tl 190.794	14.2672b	ppb	1.5843	11.1	7.5593
V 292.401	77.4745b	ppb	0.2631	0.3	2140.03
Zn 206.200	98.0223b	ppb	1.0323	1.1	155.423

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680-88468-a-1-g msd (Samp) **3/26/2013, 4:37:37 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	87.1772	86.3779	87.2319
Al 308.215	809.977	808.554	804.796
As 188.980	88.5626	98.9252	88.8084
B 249.678	216.149	218.305	217.167
Ba 389.178	109.547	109.427	110.479
Be 313.042	80.1526	79.8798	80.0171
Ca 370.602	24698	24669	24668
Cd 226.502	79.2902	79.0383	79.0053
Co 228.615	75.5639	76.1715	76.5208
Cr 267.716	75.1976	74.6725	74.2464
Cu 324.754	80.4190	80.3003	80.1697
Fe 271.441	7618.68	7590.97	7588.18
K 766.491	18013.8	17984.9	18017.0
Mg 279.078	9022.69	9014.77	8997.35
Mn 257.610	797.865	795.505	796.436
Mo 202.032	79.3666	78.1875	78.0353
Na 330.237	3072327x	3064582x	3052240x
Ni 231.604	77.9146	77.1099	76.6909
Pb 220.353	73.5829	73.3776	74.6398
Sb 206.834	77.5572	86.2260	81.5097
Se 196.026	100.658	97.8681	96.0033
Sn 189.925	75.9305	76.0312	74.8042
Sr 216.596	1415.71	1414.16	1414.80
Ti 334.941	76.8401	76.9256	76.8508
Tl 190.794	16.6785	19.5026	15.6531
V 292.401	79.1048	78.9230	78.9887
Zn 206.200	97.3146	98.5698	100.554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	86.9290b	ppb	0.4781	0.5	5993.82
Al 308.215	807.776b	ppb	2.6767	0.3	4978.31
As 188.980	92.0987b	ppb	5.9132	6.4	56.6918
B 249.678	217.207b	ppb	1.0785	0.5	2239.00
Ba 389.178	109.818b	ppb	0.5758	0.5	2718.83
Be 313.042	80.0165b	ppb	0.1364	0.2	156476
Ca 370.602	24678b	ppb	17.16	0.1	80771
Cd 226.502	79.1113b	ppb	0.1558	0.2	2986.33
Co 228.615	76.0854b	ppb	0.4842	0.6	905.070
Cr 267.716	74.7055b	ppb	0.4765	0.6	3317.86
Cu 324.754	80.2963b	ppb	0.1247	0.2	4070.46
Fe 271.441	7599.28b	ppb	16.8624	0.2	12939.5
K 766.491	18005.2b	ppb	17.6868	0.1	907178
Mg 279.078	9011.60b	ppb	12.9604	0.1	18787.6
Mn 257.610	796.602b	ppb	1.1890	0.1	183582
Mo 202.032	78.5298b	ppb	0.7287	0.9	529.862
Na 330.237	3063049xb	ppb	10130.6	0.3	158087
Ni 231.604	77.2385b	ppb	0.6219	0.8	204.481
Pb 220.353	73.8668b	ppb	0.6773	0.9	125.496
Sb 206.834	81.7643b	ppb	4.3400	5.3	78.1910
Se 196.026	98.1764b	ppb	2.3424	2.4	47.3745
Sn 189.925	75.5886b	ppb	0.6812	0.9	58.4746
Sr 216.596	1414.89b	ppb	0.7746	0.1	13793.5
Ti 334.941	76.8721b	ppb	0.0466	0.1	20069.8
Tl 190.794	17.2781b	ppb	1.9936	11.5	9.6060
V 292.401	79.0055b	ppb	0.0921	0.1	2181.59
Zn 206.200	98.8127b	ppb	1.6332	1.7	156.655

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mb 680-270651/1-a (Samp) 3/26/2013, 4:43:02 PM Rack 1, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4119u	0.3387	-0.4351u
Al 308.215	-4.0895u	-3.0688u	-2.1405u
As 188.980	0.7186	0.5516	3.2663
B 249.678	-5.2245u	-7.4391u	-7.7279u
Ba 389.178	-0.6788u	-0.4746u	0.1927
Be 313.042	-0.0177u	-0.0169u	-0.0134u
Ca 370.602	-0.4205u	6.715	-1.957u
Cd 226.502	-0.1551u	0.0071	-0.0467u
Co 228.615	-0.3006u	0.2245	0.5061
Cr 267.716	-0.0995u	0.0236	0.1460
Cu 324.754	0.3739	0.3784	0.0948
Fe 271.441	2.0211	6.1870	-3.0507u
K 766.491	0.4158	0.0761	0.1524
Mg 279.078	0.3168	-2.9406u	-1.3575u
Mn 257.610	-0.1071u	-0.0866u	-0.0758u
Mo 202.032	-0.1643u	0.9002	-0.2398u
Na 330.237	164.981	-196.086u	11.1612
Ni 231.604	1.1358	0.2915	0.0442
Pb 220.353	-4.6139u	-3.2301u	-1.0199u
Sb 206.834	-0.3332u	-0.5172u	-4.1464u
Se 196.026	0.6151	2.3129	4.3691
Sn 189.925	4.5295	0.0176	1.2453
Sr 216.596	-0.2395u	0.4300	-0.1724u
Ti 334.941	0.1520	0.0644	-0.0009u
Tl 190.794	-0.2600u	-5.8570u	-3.4262u
V 292.401	-0.2708u	-0.2808u	-0.0489u
Zn 206.200	0.1506	0.1805	0.8885

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1694	ppb	0.4402	259.8	-78.1323
Al 308.215	-3.0996	ppb	0.9748	31.5	247.396
As 188.980	1.5122	ppb	1.5214	100.6	0.5265
B 249.678	-6.7972	ppb	1.3696	20.1	131.589
Ba 389.178	-0.3203	ppb	0.4558	142.3	-37.9371
Be 313.042	-0.0160	ppb	0.0023	14.5	-242.041
Ca 370.602	1.446	ppb	4.627	320.1	-1.390
Cd 226.502	-0.0649	ppb	0.0826	127.3	8.6572
Co 228.615	0.1433	ppb	0.4094	285.7	13.5511
Cr 267.716	0.0234	ppb	0.1227	524.8	3.6769
Cu 324.754	0.2824	ppb	0.1624	57.5	124.194
Fe 271.441	1.7191	ppb	4.6262	269.1	6.5221
K 766.491	0.2148	ppb	0.1782	83.0	216.633
Mg 279.078	-1.3271	ppb	1.6289	122.7	22.5743
Mn 257.610	-0.0898	ppb	0.0159	17.7	38.0354
Mo 202.032	0.1653	ppb	0.6375	385.6	10.3084
Na 330.237	-6.6480	ppb	181.191	2725.5	-0.3534
Ni 231.604	0.4905	ppb	0.5724	116.7	3.6027
Pb 220.353	-2.9546	ppb	1.8127	61.4	-1.3600
Sb 206.834	-1.6656	ppb	2.1504	129.1	-0.0931
Se 196.026	2.4324	ppb	1.8798	77.3	0.0566
Sn 189.925	1.9308	ppb	2.3328	120.8	0.1799
Sr 216.596	0.0060	ppb	0.3687	6097.6	8.4493
Ti 334.941	0.0718	ppb	0.0767	106.8	-72.9001
Tl 190.794	-3.1811	ppb	2.8066	88.2	-3.4085
V 292.401	-0.2002	ppb	0.1311	65.5	-1.7571
Zn 206.200	0.4066	ppb	0.4176	110.7	2.9833

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ics 680-270651/2-a (Samp) 3/26/2013, 4:48:27 PM Rack 1, Tube 22
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	117.795	117.284	117.349
Al 308.215	10008.9	9969.86	9993.86
As 188.980	207.283	192.065	193.534
B 249.678	400.508	400.991	406.435
Ba 389.178	205.899	203.889	205.768
Be 313.042	103.122	102.881	103.142
Ca 370.602	9855	9822	9850
Cd 226.502	105.028	104.039	104.431
Co 228.615	103.356	102.965	103.395
Cr 267.716	201.475	201.536	201.948
Cu 324.754	200.425	200.658	199.134
Fe 271.441	10069.0	10038.2	10091.7
K 766.491	10445.9	10398.7	10455.3
Mg 279.078	10280.3	10243.5	10280.9
Mn 257.610	1039.24	1035.53	1038.71
Mo 202.032	187.402	188.161	191.545
Na 330.237	9790.60	9887.97	10183.8
Ni 231.604	206.924	207.881	203.816
Pb 220.353	105.643	101.109	103.278
Sb 206.834	91.5146	92.2360	87.6923
Se 196.026	205.787	198.950	197.124
Sn 189.925	342.428	336.556	330.576
Sr 216.596	208.102	207.719	207.529
Ti 334.941	197.162	197.179	198.151
Tl 190.794	91.3145	89.4545	86.4949
V 292.401	200.320	200.745	200.767
Zn 206.200	206.381	206.758	205.083

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	117.476	ppb	0.2779	0.2	8195.96
Al 308.215	9990.87	ppb	19.6818	0.2	58464.7
As 188.980	197.627	ppb	8.3940	4.2	121.820
B 249.678	402.644	ppb	3.2912	0.8	3987.17
Ba 389.178	205.185	ppb	1.1246	0.5	5081.71
Be 313.042	103.048	ppb	0.1454	0.1	202034
Ca 370.602	9842	ppb	17.81	0.2	31673
Cd 226.502	104.499	ppb	0.4980	0.5	3964.18
Co 228.615	103.239	ppb	0.2376	0.2	1223.68
Cr 267.716	201.653	ppb	0.2574	0.1	8810.28
Cu 324.754	200.072	ppb	0.8206	0.4	9974.92
Fe 271.441	10066.3	ppb	26.8243	0.3	17140.4
K 766.491	10433.3	ppb	30.3338	0.3	525760
Mg 279.078	10268.2	ppb	21.4122	0.2	21399.3
Mn 257.610	1037.83	ppb	2.0071	0.2	239170
Mo 202.032	189.036	ppb	2.2060	1.2	1262.87
Na 330.237	9954.14	ppb	204.801	2.1	507.636
Ni 231.604	206.207	ppb	2.1250	1.0	541.830
Pb 220.353	103.343	ppb	2.2674	2.2	173.841
Sb 206.834	90.4810	ppb	2.4419	2.7	86.3367
Se 196.026	200.620	ppb	4.5665	2.3	97.8203
Sn 189.925	336.520	ppb	5.9260	1.8	260.261
Sr 216.596	207.783	ppb	0.2921	0.1	2027.87
Ti 334.941	197.497	ppb	0.5660	0.3	52238.3
Tl 190.794	89.0880	ppb	2.4306	2.7	58.6241
V 292.401	200.611	ppb	0.2518	0.1	5598.79
Zn 206.200	206.074	ppb	0.8786	0.4	324.023

ics 680-270651/3-a (Samp) 3/26/2013, 4:53:53 PM Rack 1, Tube 23
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	339.084	336.189	338.514
Al 308.215	4005.04	4000.49	4006.19
As 188.980	407.885	405.337	408.698
B 249.678	804.915	812.188	817.867
Ba 389.178	397.655	396.523	397.100
Be 313.042	397.639	396.385	398.298
Ca 370.602	39264	39279	39384
Cd 226.502	401.995	401.716	401.964
Co 228.615	404.362	400.739	398.759
Cr 267.716	395.912	396.474	397.263
Cu 324.754	403.211	399.973	401.494
Fe 271.441	41694.7	41592.1	41694.0
K 766.491	42623.7x	42294.8x	42435.0x
Mg 279.078	40695.2	40636.9	40807.6
Mn 257.610	3987.21	3985.58	3990.25
Mo 202.032	360.485	363.914	365.871
Na 330.237	37659.9	37485.9	37802.3
Ni 231.604	405.139	402.795	402.616
Pb 220.353	403.287	403.674	402.712
Sb 206.834	218.062	226.426	243.517
Se 196.026	369.714	371.697	381.525
Sn 189.925	270.497	279.738	277.599
Sr 216.596	428.087	426.776	427.478
Ti 334.941	384.718	385.540	386.945
Tl 190.794	92.8960	89.9949	97.4403
V 292.401	398.469	397.515	398.880
Zn 206.200	381.885	381.811	385.359

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	337.929b	ppb	1.5335	0.5	23710.7
Al 308.215	4003.91b	ppb	3.0111	0.1	23622.0
As 188.980	407.307b	ppb	1.7538	0.4	251.456
B 249.678	811.657b	ppb	6.4923	0.8	7818.42
Ba 389.178	397.093b	ppb	0.5662	0.1	9954.61
Be 313.042	397.440b	ppb	0.9718	0.2	779882
Ca 370.602	39309b	ppb	65.55	0.2	126301
Cd 226.502	401.891b	ppb	0.1530	0.0	15221.5
Co 228.615	401.287b	ppb	2.8414	0.7	4724.13
Cr 267.716	396.550b	ppb	0.6788	0.2	17333.6
Cu 324.754	401.560b	ppb	1.6203	0.4	19915.2
Fe 271.441	41660.3b	ppb	59.0599	0.1	70917.4
K 766.491	42451.2xb	ppb	165.028	0.4	2138588
Mg 279.078	40713.2b	ppb	86.7447	0.2	84785.8
Mn 257.610	3987.68b	ppb	2.3691	0.1	918819
Mo 202.032	363.423b	ppb	2.7262	0.8	2418.34
Na 330.237	37649.4b	ppb	158.485	0.4	1924.73
Ni 231.604	403.517b	ppb	1.4080	0.3	1058.51
Pb 220.353	403.224b	ppb	0.4841	0.1	669.403
Sb 206.834	229.335b	ppb	12.9747	5.7	218.263
Se 196.026	374.312b	ppb	6.3251	1.7	184.134
Sn 189.925	275.945b	ppb	4.8374	1.8	213.196
Sr 216.596	427.447b	ppb	0.6556	0.2	4173.52
Ti 334.941	385.734b	ppb	1.1262	0.3	102204
Tl 190.794	93.4437b	ppb	3.7528	4.0	57.6558
V 292.401	398.288b	ppb	0.7000	0.2	11114.7
Zn 206.200	383.018b	ppb	2.0273	0.5	609.159

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lb 680-270112/21-c (Samp) **3/26/2013, 4:59:20 PM** **Rack 1, Tube 24****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.4250	2.2937	1.8027
Al 308.215	3.2845	-2.9548u	-1.0835u
As 188.980	0.1740	-3.2168u	1.3111
B 249.678	58.7042	57.1604	56.9540
Ba 389.178	0.4017	0.2854	0.7163
Be 313.042	0.0095	-0.0012u	-0.0007u
Ca 370.602	376.6	377.0	381.0
Cd 226.502	-0.0740u	-0.1089u	-0.1746u
Co 228.615	1.0007	0.2349	-0.3763u
Cr 267.716	-0.0064	0.2429	0.2981
Cu 324.754	0.9102	0.2883	0.7052
Fe 271.441	5.6496	11.8110	8.2865
K 766.491	94.6617	94.6800	96.6046
Mg 279.078	77.5308	73.5462	78.1149
Mn 257.610	0.0951	0.0884	0.1181
Mo 202.032	2.6992	3.3662	2.8832
Na 330.237	119186x	120830x	122670x
Ni 231.604	-0.0519u	0.0918	0.6529
Pb 220.353	0.1517	-1.2880u	0.3811
Sb 206.834	5.6453	4.8451	3.6722
Se 196.026	13.8872	2.5587	8.3285
Sn 189.925	8.0746	5.8053	3.7475
Sr 216.596	0.5960	0.3383	0.6712
Ti 334.941	0.7154	0.5719	0.6455
Tl 190.794	0.5781	2.2328	1.4381
V 292.401	0.3367	-0.0010u	0.2551
Zn 206.200	1.6829	1.6354	2.1358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8405b	ppb	0.4356	23.7	63.2618
Al 308.215	-0.2513b	ppb	3.2018	1274.2	264.324
As 188.980	-0.5772b	ppb	2.3556	408.1	-0.7642
B 249.678	57.6062b	ppb	0.9565	1.7	739.534
Ba 389.178	0.4678b	ppb	0.2229	47.7	-18.2324
Be 313.042	0.0026b	ppb	0.0061	237.6	-220.750
Ca 370.602	378.2b	ppb	2.447	0.6	1240
Cd 226.502	-0.1192b	ppb	0.0510	42.8	5.9476
Co 228.615	0.2864b	ppb	0.6899	240.9	15.1559
Cr 267.716	0.1782b	ppb	0.1622	91.0	12.4243
Cu 324.754	0.6346b	ppb	0.3169	49.9	141.618
Fe 271.441	8.5824b	ppb	3.0913	36.0	18.2296
K 766.491	95.3154b	ppb	1.1165	1.2	5007.11
Mg 279.078	76.3973b	ppb	2.4864	3.3	184.494
Mn 257.610	0.1005b	ppb	0.0156	15.5	81.6758
Mo 202.032	2.9829b	ppb	0.3445	11.5	29.0048
Na 330.237	120895xb	ppb	1743.04	1.4	6239.64
Ni 231.604	0.2309b	ppb	0.3724	161.3	2.9240
Pb 220.353	-0.2517b	ppb	0.9047	359.4	3.1000
Sb 206.834	4.7209b	ppb	0.9924	21.0	5.8340
Se 196.026	8.2581b	ppb	5.6646	68.6	2.9212
Sn 189.925	5.8758b	ppb	2.1644	36.8	3.2872
Sr 216.596	0.5352b	ppb	0.1746	32.6	13.5550
Ti 334.941	0.6443b	ppb	0.0717	11.1	69.9302
Tl 190.794	1.4163b	ppb	0.8275	58.4	-0.2515
V 292.401	0.1969b	ppb	0.1762	89.5	7.8946
Zn 206.200	1.8180b	ppb	0.2762	15.2	5.1903

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Cont Calib Verif (CCV) 3/26/2013, 5:04:44 PM Rack 1, Tube 25

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	513.596	512.754	508.535
Al 308.215	5069.11	5046.54	5043.41
As 188.980	465.413	473.101	464.473
B 249.678	2553.28	2561.19	2586.02
Ba 389.178	5038.50	5005.53	5002.84
Be 313.042	501.731	498.032	498.779
Ca 370.602	5032	4984	4989
Cd 226.502	496.391	494.613	495.258
Co 228.615	504.312	502.472	501.760
Cr 267.716	4957.40	4918.54	4931.80
Cu 324.754	4874.38	4904.07	4945.61
Fe 271.441	5066.02	5037.63	5046.88
K 766.491	10147.7	9904.55	10017.5
Mg 279.078	5011.21	4982.10	4987.74
Mn 257.610	5033.68	5013.61	5016.45
Mo 202.032	513.581	505.116	503.095
Na 330.237	6908.90	6852.35	7178.45
Ni 231.604	2527.31	2515.25	2517.07
Pb 220.353	497.883	496.580	491.064
Sb 206.834	983.899	984.152	967.308
Se 196.026	4995.43	4979.97	4971.52
Sn 189.925	5244.95	5171.64	5175.99
Sr 216.596	2508.03	2480.98	2482.83
Ti 334.941	507.617	501.509	500.857
Tl 190.794	5028.29	4992.81	4984.44
V 292.401	5027.45	5000.41	4996.91
Zn 206.200	2481.16	2485.57	2488.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	511.628	ppb	2.7116	0.5	35875.8	102.32567
Al 308.215	5053.02	ppb	14.0196	0.3	29667.7	101.06038
As 188.980	467.662	ppb	4.7332	1.0	288.854	93.53246
B 249.678	2566.83	ppb	17.0844	0.7	24421.2	102.67323
Ba 389.178	5015.62	ppb	19.8577	0.4	123849	100.31244
Be 313.042	499.514	ppb	1.9561	0.4	980047	99.90277
Ca 370.602	5002	ppb	26.60	0.5	16350	100.03613
Cd 226.502	495.421	ppb	0.9000	0.2	18647.6	99.08414
Co 228.615	502.848	ppb	1.3172	0.3	5928.27	100.56963
Cr 267.716	4935.91	ppb	19.7572	0.4	215461	98.71825
Cu 324.754	4908.02	ppb	35.7799	0.7	241918	98.16042
Fe 271.441	5050.18	ppb	14.4773	0.3	8716.06	101.00356
K 766.491	10023.3	ppb	121.681	1.2	505105	100.23257
Mg 279.078	4993.68	ppb	15.4382	0.3	10348.6	99.87367
Mn 257.610	5021.25	ppb	10.8630	0.2	1156564	100.42496
Mo 202.032	507.264	ppb	5.5629	1.1	3366.64	101.45277
Na 330.237	6979.90	ppb	174.257	2.5	336.210	93.06534
Ni 231.604	2519.88	ppb	6.4993	0.3	6592.72	100.79506
Pb 220.353	495.176	ppb	3.6198	0.7	821.173	99.03516
Sb 206.834	978.453	ppb	9.6528	1.0	957.719	97.84528
Se 196.026	4982.31	ppb	12.1260	0.2	2449.95	99.64619
Sn 189.925	5197.53	ppb	41.1263	0.8	4038.68	103.95051
Sr 216.596	2490.61	ppb	15.1154	0.6	24218.9	99.62447
Ti 334.941	503.328	ppb	3.7291	0.7	133181	100.66557
Tl 190.794	5001.85	ppb	23.2793	0.5	3431.21	100.03690
V 292.401	5008.25	ppb	16.7113	0.3	140462	100.16510
Zn 206.200	2484.94	ppb	3.5981	0.1	3873.56	99.39747

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680-88503-b-1-gSD^5 (Samp) 3/26/2013, 5:20:56 PM Rack 1, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6270u	-0.4708u	-0.2928u
Al 308.215	5.3097	4.6999	4.7860
As 188.980	-1.4937u	-1.6487u	-4.1982u
B 249.678	5.0389	5.6608	4.2120
Ba 389.178	2.1972	3.3033	3.2893
Be 313.042	-0.0201u	-0.0323u	-0.0262u
Ca 370.602	103.9	109.2	103.7
Cd 226.502	-0.2337u	-0.1998u	-0.0556u
Co 228.615	0.2970	-0.0025u	0.0151
Cr 267.716	-0.1174u	-0.1102u	0.0260
Cu 324.754	0.2474	-0.5509u	-0.1270u
Fe 271.441	-2.7698u	-0.5913u	0.0650
K 766.491	24.4615	23.1768	23.5233
Mg 279.078	17.2777	22.7767	16.2407
Mn 257.610	0.8695	0.8878	0.8435
Mo 202.032	-0.0758u	0.2342	0.7765
Na 330.237	22986.8	23644.4	22261.5
Ni 231.604	0.6129	-0.2626u	-0.4208u
Pb 220.353	-0.2822u	-0.2042u	-1.3760u
Sb 206.834	5.2898	-4.0877u	2.5571
Se 196.026	4.7384	-6.1258u	-0.3223u
Sn 189.925	3.0385	-1.2486u	2.3468
Sr 216.596	-0.1887u	0.3572	0.5516
Ti 334.941	0.0099	-0.0108u	0.0937
Tl 190.794	5.1844	1.3553	3.1476
V 292.401	-0.0397u	-0.0359u	-0.4013u
Zn 206.200	0.3218	-0.1571u	1.6544

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4635	ppb	0.1672	36.1	-98.8451
Al 308.215	4.9319	ppb	0.3301	6.7	294.163
As 188.980	-2.4469	ppb	1.5187	62.1	-1.9227
B 249.678	4.9706	ppb	0.7268	14.6	242.674
Ba 389.178	2.9299	ppb	0.6346	21.7	42.3706
Be 313.042	-0.0262	ppb	0.0061	23.3	-264.807
Ca 370.602	105.6	ppb	3.125	3.0	342.2
Cd 226.502	-0.1631	ppb	0.0946	58.0	4.8357
Co 228.615	0.1032	ppb	0.1681	162.9	13.0800
Cr 267.716	-0.0672	ppb	0.0808	120.2	0.1045
Cu 324.754	-0.1435	ppb	0.3994	278.3	103.208
Fe 271.441	-1.0987	ppb	1.4840	135.1	1.7851
K 766.491	23.7206	ppb	0.6646	2.8	1400.68
Mg 279.078	18.7650	ppb	3.5127	18.7	64.4143
Mn 257.610	0.8669	ppb	0.0222	2.6	258.366
Mo 202.032	0.3116	ppb	0.4314	138.4	11.2792
Na 330.237	22964.2	ppb	691.718	3.0	1185.22
Ni 231.604	-0.0235	ppb	0.5568	2369.8	2.2584
Pb 220.353	-0.6208	ppb	0.6552	105.5	2.4943
Sb 206.834	1.2531	ppb	4.8228	384.9	2.6292
Se 196.026	-0.5699	ppb	5.4363	953.9	-1.4194
Sn 189.925	1.3789	ppb	2.3016	166.9	-0.2413
Sr 216.596	0.2400	ppb	0.3838	159.9	10.7436
Ti 334.941	0.0309	ppb	0.0553	178.9	-85.3663
Tl 190.794	3.2291	ppb	1.9159	59.3	0.9940
V 292.401	-0.1590	ppb	0.2099	132.1	-0.7858
Zn 206.200	0.6064	ppb	0.9387	154.8	3.2959

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680-88503-b-1-gPDS (Samp) **3/26/2013, 5:26:20 PM** **Rack 1, Tube 29****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.7790	50.5477	50.6754
Al 308.215	1980.44	1969.71	1968.44
As 188.980	2156.70	2146.39	2132.82
B 249.678	1070.95	1074.03	1079.56
Ba 389.178	2066.57	2053.02	2053.37
Be 313.042	50.8947	50.5369	50.4218
Ca 370.602	5500	5444	5434
Cd 226.502	50.2589	49.9643	50.0888
Co 228.615	510.536	509.424	506.234
Cr 267.716	200.535	199.010	197.776
Cu 324.754	254.652	254.636	252.083
Fe 271.441	1014.09	999.913	1013.65
K 766.491	5722.19	5695.95	5707.70
Mg 279.078	5110.29	5065.51	5052.23
Mn 257.610	516.203	512.401	512.120
Mo 202.032	513.203	509.380	507.829
Na 330.237	119288x	119308x	120332x
Ni 231.604	502.422	497.773	497.338
Pb 220.353	501.098	496.819	488.741
Sb 206.834	500.653	492.251	500.114
Se 196.026	2033.07	2007.66	2024.98
Sn 189.925	1036.80	1030.33	1022.60
Sr 216.596	522.470	519.331	517.410
Ti 334.941	1014.88	1005.53	1001.76
Tl 190.794	2034.03	2047.18	2040.53
V 292.401	508.260	505.345	505.144
Zn 206.200	497.987	497.970	495.056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6674b	ppb	0.1159	0.2	3481.76
Al 308.215	1972.87b	ppb	6.5891	0.3	11813.0
As 188.980	2145.30b	ppb	11.9766	0.6	1327.09
B 249.678	1074.84b	ppb	4.3649	0.4	10341.1
Ba 389.178	2057.65b	ppb	7.7247	0.4	50796.1
Be 313.042	50.6178b	ppb	0.2466	0.5	99034.3
Ca 370.602	5459b	ppb	35.56	0.7	18122
Cd 226.502	50.1040b	ppb	0.1479	0.3	1896.58
Co 228.615	508.732b	ppb	2.2330	0.4	5998.13
Cr 267.716	199.107b	ppb	1.3819	0.7	8696.10
Cu 324.754	253.791b	ppb	1.4784	0.6	12625.0
Fe 271.441	1009.22b	ppb	8.0594	0.8	1803.28
K 766.491	5708.61b	ppb	13.1403	0.2	287764
Mg 279.078	5076.01b	ppb	30.4212	0.6	10591.6
Mn 257.610	513.574b	ppb	2.2806	0.4	118373
Mo 202.032	510.137b	ppb	2.7661	0.5	3393.64
Na 330.237	119643xb	ppb	597.069	0.5	6163.12
Ni 231.604	499.178b	ppb	2.8178	0.6	1307.85
Pb 220.353	495.552b	ppb	6.2750	1.3	820.609
Sb 206.834	497.673b	ppb	4.7028	0.9	461.640
Se 196.026	2021.90b	ppb	12.9785	0.6	993.174
Sn 189.925	1029.91b	ppb	7.1079	0.7	799.265
Sr 216.596	519.737b	ppb	2.5542	0.5	5048.18
Ti 334.941	1007.39b	ppb	6.7550	0.7	266618
Tl 190.794	2040.58b	ppb	6.5722	0.3	1400.17
V 292.401	506.250b	ppb	1.7442	0.3	14143.3
Zn 206.200	497.005b	ppb	1.6874	0.3	779.039

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680-88503-b-1-h ms (Samp) 3/26/2013, 5:31:44 PM Rack 1, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	38.3123	39.1385	37.4401
Al 308.215	756.018	765.444	761.432
As 188.980	77.8758	77.5235	76.6213
B 249.678	198.301	199.517	198.323
Ba 389.178	84.6356	85.6701	86.0937
Be 313.042	74.6400	75.2118	75.1298
Ca 370.602	7523	7593	7577
Cd 226.502	72.6890	73.6305	73.1142
Co 228.615	73.4847	73.4548	74.6252
Cr 267.716	73.3529	73.8928	74.0914
Cu 324.754	76.1249	77.2859	75.3585
Fe 271.441	7331.85	7386.81	7377.22
K 766.491	7902.68	7980.62	7968.28
Mg 279.078	7255.48	7328.09	7298.57
Mn 257.610	754.348	760.952	758.807
Mo 202.032	73.9319	75.0929	74.5986
Na 330.237	95455.8x	96582.0x	96803.8x
Ni 231.604	73.4330	73.4582	75.1430
Pb 220.353	74.5585	73.0172	72.7789
Sb 206.834	69.7227	63.8442	76.7155
Se 196.026	71.8841	74.5672	82.6913
Sn 189.925	75.6036	78.6055	71.2783
Sr 216.596	76.2840	75.1458	75.8684
Ti 334.941	74.3950	74.8954	74.6534
Tl 190.794	18.5553	20.5643	10.4514
V 292.401	74.4135	75.1358	75.4722
Zn 206.200	75.7725	75.1321	76.0456

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.2969b	ppb	0.8493	2.2	2628.66
Al 308.215	760.965b	ppb	4.7304	0.6	4705.20
As 188.980	77.3402b	ppb	0.6471	0.8	47.4205
B 249.678	198.714b	ppb	0.6959	0.4	2064.64
Ba 389.178	85.4665b	ppb	0.7501	0.9	2112.41
Be 313.042	74.9939b	ppb	0.3092	0.4	146975
Ca 370.602	7564b	ppb	36.61	0.5	24355
Cd 226.502	73.1446b	ppb	0.4715	0.6	2778.36
Co 228.615	73.8549b	ppb	0.6672	0.9	878.975
Cr 267.716	73.7791b	ppb	0.3822	0.5	3228.57
Cu 324.754	76.2564b	ppb	0.9704	1.3	3871.23
Fe 271.441	7365.29b	ppb	29.3566	0.4	12541.3
K 766.491	7950.53b	ppb	41.8918	0.5	400696
Mg 279.078	7294.05b	ppb	36.5166	0.5	15210.0
Mn 257.610	758.036b	ppb	3.3692	0.4	174705
Mo 202.032	74.5411b	ppb	0.5826	0.8	503.410
Na 330.237	96280.5xb	ppb	722.789	0.8	4965.88
Ni 231.604	74.0114b	ppb	0.9801	1.3	196.036
Pb 220.353	73.4515b	ppb	0.9660	1.3	124.810
Sb 206.834	70.0941b	ppb	6.4437	9.2	67.2997
Se 196.026	76.3809b	ppb	5.6273	7.4	36.6466
Sn 189.925	75.1624b	ppb	3.6835	4.9	57.1376
Sr 216.596	75.7661b	ppb	0.5760	0.8	746.367
Ti 334.941	74.6479b	ppb	0.2502	0.3	19695.3
Tl 190.794	16.5237b	ppb	5.3538	32.4	9.1350
V 292.401	75.0072b	ppb	0.5409	0.7	2094.51
Zn 206.200	75.6501b	ppb	0.4689	0.6	129.436

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680-88503-b-1-i msd (Samp) 3/26/2013, 5:37:09 PM Rack 1, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	36.4108	37.2448	37.6741
Al 308.215	805.071	803.378	799.503
As 188.980	84.2531	81.9094	76.0091
B 249.678	196.911	198.177	197.107
Ba 389.178	90.3615	89.3122	89.1913
Be 313.042	79.2634	79.2865	79.3162
Ca 370.602	8000	7990	7996
Cd 226.502	77.6497	77.2017	77.2842
Co 228.615	77.0900	77.3026	79.0271
Cr 267.716	77.9451	77.8457	77.3787
Cu 324.754	78.9651	79.6209	80.2652
Fe 271.441	7787.81	7787.80	7787.36
K 766.491	8396.73	8418.99	8444.46
Mg 279.078	7707.76	7709.75	7692.05
Mn 257.610	800.545	800.882	800.532
Mo 202.032	77.7754	77.1274	77.0316
Na 330.237	101620x	101906x	101573x
Ni 231.604	78.8529	79.2095	79.2876
Pb 220.353	76.7823	73.8871	74.9237
Sb 206.834	72.8929	81.5009	78.8015
Se 196.026	82.6304	78.0346	87.1445
Sn 189.925	81.6545	82.2535	79.6947
Sr 216.596	81.5163	80.3480	79.9007
Ti 334.941	78.7187	78.6795	78.6683
Tl 190.794	13.8008	23.5931	18.2134
V 292.401	78.9905	79.3304	79.6349
Zn 206.200	80.8512	81.1206	79.6949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	37.1099b	ppb	0.6424	1.7	2545.14
Al 308.215	802.651b	ppb	2.8542	0.4	4948.27
As 188.980	80.7239b	ppb	4.2480	5.3	49.5129
B 249.678	197.398b	ppb	0.6817	0.3	2051.82
Ba 389.178	89.6216b	ppb	0.6436	0.7	2216.81
Be 313.042	79.2887b	ppb	0.0265	0.0	155404
Ca 370.602	7995b	ppb	5.178	0.1	25742
Cd 226.502	77.3785b	ppb	0.2384	0.3	2938.53
Co 228.615	77.8066b	ppb	1.0624	1.4	925.403
Cr 267.716	77.7232b	ppb	0.3024	0.4	3401.04
Cu 324.754	79.6171b	ppb	0.6501	0.8	4036.99
Fe 271.441	7787.66b	ppb	0.2548	0.0	13260.2
K 766.491	8420.06b	ppb	23.8819	0.3	424347
Mg 279.078	7703.19b	ppb	9.6930	0.1	16061.7
Mn 257.610	800.653b	ppb	0.1985	0.0	184524
Mo 202.032	77.3115b	ppb	0.4046	0.5	521.767
Na 330.237	101700xb	ppb	179.937	0.2	5245.38
Ni 231.604	79.1167b	ppb	0.2317	0.3	209.397
Pb 220.353	75.1977b	ppb	1.4669	2.0	127.695
Sb 206.834	77.7318b	ppb	4.4026	5.7	74.4625
Se 196.026	82.6032b	ppb	4.5550	5.5	39.7191
Sn 189.925	81.2009b	ppb	1.3383	1.6	61.8333
Sr 216.596	80.5883b	ppb	0.8342	1.0	793.366
Ti 334.941	78.6888b	ppb	0.0264	0.0	20766.4
Tl 190.794	18.5357b	ppb	4.9041	26.5	10.4612
V 292.401	79.3186b	ppb	0.3223	0.4	2214.95
Zn 206.200	80.5556b	ppb	0.7575	0.9	128.096

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680-88509-a-1-b (Samp) 3/26/2013, 5:42:34 PM Rack 1, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1368u	0.1479	-0.4584u
Al 308.215	77.5676	75.5214	76.7205
As 188.980	4.2835	0.6322	-7.9925u
B 249.678	50.3787	48.0026	48.8600
Ba 389.178	74.0592	73.8379	74.0165
Be 313.042	-0.0106u	-0.0046u	0.0015u
Ca 370.602	3474	3443	3442
Cd 226.502	65.5744	65.1776	64.4821
Co 228.615	3.6076	3.3788	4.2397
Cr 267.716	18.4654	18.6739	18.5856
Cu 324.754	8.2695	7.9361	7.8964
Fe 271.441	7946.80	7898.19	7863.63
K 766.491	266.342	264.931	264.568
Mg 279.078	917.414	912.578	904.974
Mn 257.610	74.7061	74.0176	73.8453
Mo 202.032	-0.2697u	0.0355u	-0.3065u
Na 330.237	120955x	121059x	120112x
Ni 231.604	24.9885	21.5968	23.8900
Pb 220.353	9.0461	12.0783	9.1286
Sb 206.834	3.3128	-5.5069u	-0.1428
Se 196.026	6.2394	1.8907	2.2277
Sn 189.925	1.0082	4.2617	-0.9006u
Sr 216.596	139.183	137.843	137.260
Ti 334.941	0.0882	0.0580	0.0995
Tl 190.794	0.2281u	-3.8295u	-0.8016u
V 292.401	-0.6971u	-0.3344u	-0.3740u
Zn 206.200	1862.42	1841.25	1845.50

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1491b	ppb	0.3033	203.5	-82.2700
Al 308.215	76.6032b	ppb	1.0281	1.3	711.485
As 188.980	-1.0256b	ppb	6.3037	614.6	-1.0953
B 249.678	49.0804b	ppb	1.2033	2.5	651.633
Ba 389.178	73.9712b	ppb	0.1174	0.2	1810.91
Be 313.042	-0.0046b	ppb	0.0060	131.7	-233.172
Ca 370.602	3453b	ppb	18.11	0.5	10717
Cd 226.502	65.0780b	ppb	0.5529	0.8	2476.17
Co 228.615	3.7420b	ppb	0.4459	11.9	55.6257
Cr 267.716	18.5750b	ppb	0.1047	0.6	816.940
Cu 324.754	8.0340b	ppb	0.2049	2.6	508.453
Fe 271.441	7902.87b	ppb	41.7790	0.5	13443.9
K 766.491	265.280b	ppb	0.9370	0.4	13568.7
Mg 279.078	911.655b	ppb	6.2708	0.7	1924.79
Mn 257.610	74.1897b	ppb	0.4555	0.6	17171.7
Mo 202.032	-0.1802b	ppb	0.1877	104.2	7.6539
Na 330.237	120709xb	ppb	519.229	0.4	6213.79
Ni 231.604	23.4918b	ppb	1.7306	7.4	63.9232
Pb 220.353	10.0843b	ppb	1.7273	17.1	20.1874
Sb 206.834	-0.7790b	ppb	4.4441	570.5	1.0741
Se 196.026	3.4526b	ppb	2.4193	70.1	0.6224
Sn 189.925	1.4564b	ppb	2.6102	179.2	-0.1471
Sr 216.596	138.095b	ppb	0.9858	0.7	1356.61
Ti 334.941	0.0819b	ppb	0.0214	26.2	-74.4692
Tl 190.794	-1.4676b	ppb	2.1092	143.7	-2.5833
V 292.401	-0.4685b	ppb	0.1990	42.5	-11.4100
Zn 206.200	1849.72b	ppb	11.1977	0.6	2895.21

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680-88510-a-1-b (Samp) 3/26/2013, 5:48:00 PM Rack 1, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2986u	-0.2546u	-0.0627u
Al 308.215	36.2379	36.5182	37.9471
As 188.980	-2.7282u	-6.6660u	-4.0956u
B 249.678	48.7230	49.1438	47.7073
Ba 389.178	39.2191	40.1127	40.7329
Be 313.042	0.0037u	0.0015u	-0.0021u
Ca 370.602	794.4	796.2	801.0
Cd 226.502	-0.0643u	-0.0353u	0.1745
Co 228.615	0.3769	0.2779	1.1866
Cr 267.716	0.1259	0.0927	-0.1104u
Cu 324.754	0.9519	0.7061	0.7827
Fe 271.441	-1.3842u	-3.0196u	-2.4514u
K 766.491	209.563	212.103	209.661
Mg 279.078	197.227	204.006	199.512
Mn 257.610	5.2165	5.2916	5.2416
Mo 202.032	0.0445	0.1940	-0.1377u
Na 330.237	115370x	116174x	115483x
Ni 231.604	0.4406	-0.3560u	-0.0496u
Pb 220.353	5.9114	6.7456	5.3336
Sb 206.834	3.5991	2.9029	0.6921
Se 196.026	-3.8446u	8.4559	5.5899
Sn 189.925	2.0522	3.3869	0.7843
Sr 216.596	1.1704	1.6703	1.4609
Ti 334.941	0.1090	0.0724	0.0495
Tl 190.794	0.5161	-1.3530u	2.8291
V 292.401	-0.0881u	-0.1720u	-0.2679u
Zn 206.200	3.0441	4.9493	4.8676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2053b	ppb	0.1254	61.1	-80.7056
Al 308.215	36.9011b	ppb	0.9167	2.5	480.294
As 188.980	-4.4966b	ppb	1.9993	44.5	-3.1853
B 249.678	48.5247b	ppb	0.7385	1.5	653.818
Ba 389.178	40.0216b	ppb	0.7610	1.9	958.720
Be 313.042	0.0010b	ppb	0.0029	280.5	-222.465
Ca 370.602	797.2b	ppb	3.416	0.4	2623
Cd 226.502	0.0250b	ppb	0.1303	521.9	11.3705
Co 228.615	0.6138b	ppb	0.4985	81.2	19.0859
Cr 267.716	0.0360b	ppb	0.1279	355.1	6.1502
Cu 324.754	0.8135b	ppb	0.1258	15.5	150.359
Fe 271.441	-2.2851b	ppb	0.8303	36.3	-0.1395
K 766.491	210.442b	ppb	1.4394	0.7	10806.4
Mg 279.078	200.249b	ppb	3.4489	1.7	442.417
Mn 257.610	5.2499b	ppb	0.0382	0.7	1268.33
Mo 202.032	0.0336b	ppb	0.1661	494.0	9.4345
Na 330.237	115675xb	ppb	435.218	0.4	5970.23
Ni 231.604	0.0116b	ppb	0.4018	3449.6	2.3503
Pb 220.353	5.9968b	ppb	0.7099	11.8	13.4237
Sb 206.834	2.3981b	ppb	1.5178	63.3	3.7019
Se 196.026	3.4004b	ppb	6.4359	189.3	0.5338
Sn 189.925	2.0745b	ppb	1.3014	62.7	0.3309
Sr 216.596	1.4339b	ppb	0.2510	17.5	22.4485
Ti 334.941	0.0770b	ppb	0.0300	39.0	-79.3324
Tl 190.794	0.6641b	ppb	2.0950	315.5	-0.7721
V 292.401	-0.1760b	ppb	0.0900	51.1	-1.9973
Zn 206.200	4.2870b	ppb	1.0772	25.1	0.0517

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88510-a-2-b (Samp) 3/26/2013, 5:53:25 PM Rack 1, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7492u	-0.1187u	0.5628
Al 308.215	21.5430	21.0517	23.9853
As 188.980	-1.9000u	0.1848	0.5828
B 249.678	38.4639	38.6532	37.7256
Ba 389.178	35.4486	35.1632	35.2689
Be 313.042	-0.0106u	-0.0035u	-0.0088u
Ca 370.602	890.9	887.6	887.3
Cd 226.502	0.1340	-0.1786u	-0.0715u
Co 228.615	0.2125	1.0283	0.8882
Cr 267.716	-0.2136u	0.0121	-0.0362
Cu 324.754	0.6992	0.0717	0.8211
Fe 271.441	6.6892	-1.0855u	4.5797
K 766.491	249.366	249.060	248.700
Mg 279.078	219.236	215.829	218.293
Mn 257.610	7.5734	7.5504	7.5813
Mo 202.032	0.5659	0.8027	-0.4449u
Na 330.237	116102x	116685x	116650x
Ni 231.604	0.7657	1.7543	1.3636
Pb 220.353	363.420	364.005	362.560
Sb 206.834	2.1908	-1.6043u	0.1866
Se 196.026	9.4223	-0.5541u	9.9383
Sn 189.925	-0.6243u	0.7599	-2.0720u
Sr 216.596	2.2720	1.5306	2.2683
Ti 334.941	-0.0142u	0.0225u	0.0153u
Tl 190.794	-0.3292u	4.2070	1.8021
V 292.401	-0.2238u	-0.3071u	0.0805
Zn 206.200	2.7393	2.0843	1.1117

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1017b	ppb	0.6562	645.1	-73.4036
Al 308.215	22.1933b	ppb	1.5712	7.1	394.684
As 188.980	-0.3774b	ppb	1.3335	353.3	-0.6355
B 249.678	38.2809b	ppb	0.4901	1.3	557.115
Ba 389.178	35.2936b	ppb	0.1443	0.4	842.035
Be 313.042	-0.0076b	ppb	0.0037	48.9	-239.738
Ca 370.602	888.6b	ppb	1.988	0.2	2924
Cd 226.502	-0.0387b	ppb	0.1589	410.7	8.9870
Co 228.615	0.7097b	ppb	0.4362	61.5	20.2026
Cr 267.716	-0.0792b	ppb	0.1188	150.0	1.1428
Cu 324.754	0.5306b	ppb	0.4021	75.8	136.427
Fe 271.441	3.3945b	ppb	4.0206	118.4	9.5353
K 766.491	249.042b	ppb	0.3335	0.1	12750.7
Mg 279.078	217.786b	ppb	1.7592	0.8	478.921
Mn 257.610	7.5684b	ppb	0.0160	0.2	1802.42
Mo 202.032	0.3079b	ppb	0.6626	215.2	11.2542
Na 330.237	116479xb	ppb	326.976	0.3	6011.70
Ni 231.604	1.2946b	ppb	0.4979	38.5	5.7056
Pb 220.353	363.328b	ppb	0.7269	0.2	603.555
Sb 206.834	0.2577b	ppb	1.8986	736.8	1.7013
Se 196.026	6.2688b	ppb	5.9144	94.3	1.9448
Sn 189.925	-0.6455b	ppb	1.4160	219.4	-1.7830
Sr 216.596	2.0237b	ppb	0.4270	21.1	28.1781
Ti 334.941	0.0079b	ppb	0.0194	246.9	-97.6132
Tl 190.794	1.8933b	ppb	2.2694	119.9	0.0698
V 292.401	-0.1501b	ppb	0.2041	135.9	-1.3257
Zn 206.200	1.9784b	ppb	0.8190	432.0	893.4413

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680-88510-a-3-b (Samp) 3/26/2013, 5:58:51 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4290	-0.5039u	-0.1520u
Al 308.215	53.8210	50.9267	53.5748
As 188.980	-5.1503u	-0.1748u	4.1679
B 249.678	40.4408	40.8752	41.2971
Ba 389.178	77.0758	77.2467	77.4142
Be 313.042	-0.0158u	0.0018u	-0.0148u
Ca 370.602	626.3	629.4	626.9
Cd 226.502	-0.2177u	-0.0192u	-0.0119u
Co 228.615	0.9068	0.5236	0.4293
Cr 267.716	0.2906	0.2395	0.2455
Cu 324.754	0.1672	0.3415	0.3418
Fe 271.441	3.1934	-4.4827u	4.3297
K 766.491	198.023	197.792	197.144
Mg 279.078	138.645	134.518	135.062
Mn 257.610	3.4819	3.4717	3.3929
Mo 202.032	0.2701	0.0029	0.1121
Na 330.237	115462x	114850x	114185x
Ni 231.604	-0.2031u	-0.5126u	0.8981
Pb 220.353	3.0682	6.0303	2.3746
Sb 206.834	0.4880	-0.5665u	-1.1683u
Se 196.026	8.2083	-2.6267u	5.3792
Sn 189.925	2.4426	3.5334	-1.3834u
Sr 216.596	1.4923	1.0075	1.5667
Ti 334.941	-0.0314u	0.0285u	0.0222u
Tl 190.794	0.0404	1.8959	2.0953
V 292.401	0.0428	-0.4017u	0.1336
Zn 206.200	2.4113	0.6059	0.1477

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0757b	ppb	0.4711	622.7	-71.5932
Al 308.215	52.7742b	ppb	1.6047	3.0	572.750
As 188.980	-0.3857b	ppb	4.6627	1208.9	-0.6428
B 249.678	40.8710b	ppb	0.4282	1.0	581.566
Ba 389.178	77.2455b	ppb	0.1692	0.2	1877.66
Be 313.042	-0.0096b	ppb	0.0099	103.1	-243.383
Ca 370.602	627.6b	ppb	1.662	0.3	2063
Cd 226.502	-0.0829b	ppb	0.1168	140.8	7.3251
Co 228.615	0.6199b	ppb	0.2529	40.8	19.1503
Cr 267.716	0.2585b	ppb	0.0279	10.8	15.8450
Cu 324.754	0.2835b	ppb	0.1007	35.5	124.248
Fe 271.441	1.0135b	ppb	4.7936	473.0	5.4606
K 766.491	197.653b	ppb	0.4557	0.2	10162.1
Mg 279.078	136.075b	ppb	2.2422	1.6	308.750
Mn 257.610	3.4488b	ppb	0.0487	1.4	853.174
Mo 202.032	0.1284b	ppb	0.1343	104.6	10.0629
Na 330.237	114832xb	ppb	638.733	0.6	5926.73
Ni 231.604	0.0608b	ppb	0.7414	1219.0	2.4790
Pb 220.353	3.8243b	ppb	1.9416	50.8	9.8350
Sb 206.834	-0.4156b	ppb	0.8384	201.7	1.0756
Se 196.026	3.6536b	ppb	5.6198	153.8	0.6579
Sn 189.925	1.5309b	ppb	2.5821	168.7	-0.0920
Sr 216.596	1.3555b	ppb	0.3037	22.4	21.6558
Ti 334.941	0.0065b	ppb	0.0329	508.6	-98.2081
Tl 190.794	1.3438b	ppb	1.1332	84.3	-0.3034
V 292.401	-0.0751b	ppb	0.2865	381.5	0.7942
Zn 206.200	1.0550b	ppb	1.1967	113.4	3.9964

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680-88510-a-4-b (Samp) 3/26/2013, 6:04:18 PM Rack 1, Tube 36
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7022u	-0.6448u	-0.1856u
Al 308.215	31.0826	30.5112	31.3562
As 188.980	-0.3932u	3.5611	-3.3752u
B 249.678	36.0167	35.5109	35.2072
Ba 389.178	56.4487	56.5024	55.8135
Be 313.042	-0.0060u	-0.0018u	0.0029u
Ca 370.602	1954	1943	1942
Cd 226.502	-0.1520u	-0.0506u	-0.0375u
Co 228.615	0.2713	0.3269	0.0938
Cr 267.716	-0.2308u	-0.1041u	0.0612
Cu 324.754	0.7499	0.5254	0.2409
Fe 271.441	-6.9167u	-3.9829u	5.7575
K 766.491	229.252	227.757	227.601
Mg 279.078	225.190	221.602	225.585
Mn 257.610	13.1389	13.0572	13.0453
Mo 202.032	-0.4726u	-0.5462u	-0.8042u
Na 330.237	114128x	113640x	113957x
Ni 231.604	0.6831	1.0957	1.7956
Pb 220.353	5.6858	8.1107	7.0348
Sb 206.834	-1.9282u	-0.5401u	-0.4698u
Se 196.026	4.8972	9.1017	7.5178
Sn 189.925	0.9318	-1.7698u	2.1492
Sr 216.596	3.7830	3.0175	2.0897
Ti 334.941	-0.0436u	0.0029u	-0.0340u
Tl 190.794	2.5837	-3.3482u	-1.4907u
V 292.401	-0.3303u	-0.0546u	0.0004u
Zn 206.200	0.8003	1.2344	0.6431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5109b	ppb	0.2832	55.4	-102.228
Al 308.215	30.9833b	ppb	0.4312	1.4	445.787
As 188.980	-0.0691b	ppb	3.4795	5035.3	-0.4356
B 249.678	35.5782b	ppb	0.4089	1.1	531.607
Ba 389.178	56.2549b	ppb	0.3832	0.7	1359.61
Be 313.042	-0.0016b	ppb	0.0044	273.7	-227.060
Ca 370.602	1947b	ppb	6.728	0.3	6414
Cd 226.502	-0.0800b	ppb	0.0627	78.3	7.4294
Co 228.615	0.2306b	ppb	0.1217	52.8	14.5949
Cr 267.716	-0.0912b	ppb	0.1465	160.5	0.5980
Cu 324.754	0.5054b	ppb	0.2551	50.5	135.167
Fe 271.441	-1.7140b	ppb	6.6347	387.1	0.7458
K 766.491	228.203b	ppb	0.9114	0.4	11701.0
Mg 279.078	224.126b	ppb	2.1948	1.0	492.038
Mn 257.610	13.0804b	ppb	0.0510	0.4	3071.97
Mo 202.032	-0.6077b	ppb	0.1742	28.7	5.1787
Na 330.237	113908xb	ppb	247.219	0.2	5879.04
Ni 231.604	1.1915b	ppb	0.5624	47.2	5.4359
Pb 220.353	6.9438b	ppb	1.2150	17.5	14.9900
Sb 206.834	-0.9794b	ppb	0.8225	84.0	0.5543
Se 196.026	7.1722b	ppb	2.1235	29.6	2.3904
Sn 189.925	0.4371b	ppb	2.0058	458.9	-0.9420
Sr 216.596	2.9634b	ppb	0.8479	28.6	37.4425
Ti 334.941	-0.0249b	ppb	0.0246	98.7	-106.076
Tl 190.794	-0.7518b	ppb	3.0342	403.6	-1.7525
V 292.401	-0.1282b	ppb	0.1772	138.3	-0.5630
Zn 206.200	0.8926b	ppb	0.3063	34.3	2.7433

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Cont Calib Verif (CCV) 3/26/2013, 6:09:43 PM Rack 1, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.124	491.825	498.452
Al 308.215	5037.71	4994.78	4980.66
As 188.980	476.361	472.539	461.637
B 249.678	2528.84	2530.96	2535.46
Ba 389.178	4990.74	4958.06	4938.65
Be 313.042	496.365	493.982	492.322
Ca 370.602	4970	4941	4935
Cd 226.502	492.628	489.370	487.039
Co 228.615	502.283	495.893	496.444
Cr 267.716	4890.06	4868.58	4852.60
Cu 324.754	4991.36	4796.42	4807.74
Fe 271.441	5012.40	4983.15	4955.98
K 766.491	10117.5	10159.7	10120.1
Mg 279.078	4964.41	4932.35	4920.49
Mn 257.610	4997.50	4967.20	4951.36
Mo 202.032	488.006	489.838	485.953
Na 330.237	7405.77	7294.57	7231.25
Ni 231.604	2502.52	2490.67	2476.14
Pb 220.353	486.890	489.271	486.793
Sb 206.834	936.841	941.217	941.853
Se 196.026	4936.02	4928.25	4889.44
Sn 189.925	5020.32	5054.51	4986.64
Sr 216.596	2466.09	2459.90	2452.68
Ti 334.941	493.329	491.483	490.087
Tl 190.794	4971.17	4917.83	4923.97
V 292.401	4996.37	4957.99	4935.82
Zn 206.200	2476.93	2454.23	2442.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.800	ppb	5.6778	1.1	34903.5	99.56007
Al 308.215	5004.38	ppb	29.7121	0.6	29382.7	100.08762
As 188.980	470.179	ppb	7.6405	1.6	290.417	94.03582
B 249.678	2531.75	ppb	3.3785	0.1	24090.2	101.27016
Ba 389.178	4962.48	ppb	26.3205	0.5	122537	99.24969
Be 313.042	494.223	ppb	2.0325	0.4	969666	98.84459
Ca 370.602	4948	ppb	18.51	0.4	16176	98.96980
Cd 226.502	489.679	ppb	2.8072	0.6	18431.5	97.93576
Co 228.615	498.206	ppb	3.5407	0.7	5874.10	99.64129
Cr 267.716	4870.41	ppb	18.7991	0.4	212601	97.40825
Cu 324.754	4865.17	ppb	109.428	2.2	239807	97.30342
Fe 271.441	4983.84	ppb	28.2183	0.6	8601.92	99.67683
K 766.491	10132.4	ppb	23.6564	0.2	510604	101.32425
Mg 279.078	4939.08	ppb	22.7198	0.5	10235.7	98.78164
Mn 257.610	4972.02	ppb	23.4411	0.5	1145226	99.44042
Mo 202.032	487.932	ppb	1.9435	0.4	3238.44	97.58647
Na 330.237	7310.53	ppb	88.3490	1.2	353.550	97.47372
Ni 231.604	2489.78	ppb	13.2124	0.5	6514.01	99.59121
Pb 220.353	487.651	ppb	1.4038	0.3	808.769	97.53029
Sb 206.834	939.970	ppb	2.7289	0.3	921.532	93.99705
Se 196.026	4917.91	ppb	24.9523	0.5	2418.27	98.35811
Sn 189.925	5020.49	ppb	33.9351	0.7	3901.07	100.40977
Sr 216.596	2459.55	ppb	6.7117	0.3	23917.4	98.38207
Ti 334.941	491.633	ppb	1.6263	0.3	130084	98.32656
Tl 190.794	4937.66	ppb	29.1853	0.6	3387.16	98.75314
V 292.401	4963.39	ppb	30.6332	0.6	139207	99.26783
Zn 206.200	2457.91	ppb	17.4675	0.7	3831.45	98.31644

Cont Calib Blank (CCB) 3/26/2013, 6:15:07 PM Rack 1, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2429	0.4999	0.2625
Al 308.215	-2.9961u	-5.2915u	-3.0585u
As 188.980	-0.8160u	5.5116	0.1032
B 249.678	44.3713	39.8142	34.7853
Ba 389.178	0.1218	0.2877	0.3912
Be 313.042	0.0127	0.0134	0.0019
Ca 370.602	1.464	-2.310u	6.152
Cd 226.502	0.0203	-0.0781u	-0.0607u
Co 228.615	-0.9105u	0.2006	-0.0555u
Cr 267.716	0.0946	0.1107	0.2454
Cu 324.754	0.7516	0.7067	-0.4370u
Fe 271.441	5.1480	6.0222	-0.2539u
K 766.491	0.8503	0.2593	-0.3666u
Mg 279.078	-4.4741u	-2.2018u	0.3564
Mn 257.610	0.2300	0.2018	0.1632
Mo 202.032	0.1743	0.6366	0.3758
Na 330.237	120.593	22.1875	-30.8059u
Ni 231.604	-0.1075u	-0.3970u	-2.5886u
Pb 220.353	-1.7402u	-2.9493u	0.0198
Sb 206.834	3.6472	3.1813	4.9257
Se 196.026	4.0070	-1.0054u	9.4386
Sn 189.925	0.2534	4.1609	0.1368
Sr 216.596	0.6132	0.0532	-0.2605u
Ti 334.941	0.1050	0.1320	0.1067
Tl 190.794	2.1305	5.4433	0.3024
V 292.401	0.2479	0.1715	0.0583
Zn 206.200	-1.1142u	-0.4135u	0.2416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3351	ppb	0.1430	42.7	-42.6215	0.33509
Al 308.215	-3.7820	ppb	1.3076	34.6	243.454	-3.78201
As 188.980	1.5996	ppb	3.4189	213.7	0.5805	1.59962
B 249.678	39.6569	ppb	4.7949	12.1	570.107	39.65694
Ba 389.178	0.2669	ppb	0.1359	50.9	-23.4430	0.26690
Be 313.042	0.0093	ppb	0.0064	68.7	-192.413	0.00933
Ca 370.602	1.768	ppb	4.239	239.7	-0.1348	1.76824
Cd 226.502	-0.0395	ppb	0.0525	132.8	9.6057	-0.03952
Co 228.615	-0.2551	ppb	0.5818	228.0	8.8627	-0.25515
Cr 267.716	0.1502	ppb	0.0828	55.1	9.2133	0.15024
Cu 324.754	0.3404	ppb	0.6736	197.9	127.057	0.34043
Fe 271.441	3.6388	ppb	3.3994	93.4	9.7961	3.63876
K 766.491	0.2477	ppb	0.6085	245.7	218.290	0.24766
Mg 279.078	-2.1065	ppb	2.4167	114.7	20.9459	-2.10647
Mn 257.610	0.1983	ppb	0.0335	16.9	104.385	0.19833
Mo 202.032	0.3956	ppb	0.2318	58.6	11.8356	0.39555
Na 330.237	37.3248	ppb	76.8261	205.8	1.9205	37.32480
Ni 231.604	-1.0310	ppb	1.3566	131.6	-0.3767	-1.03104
Pb 220.353	-1.5566	ppb	1.4930	95.9	0.9486	-1.55658
Sb 206.834	3.9180	ppb	0.9032	23.1	5.1138	3.91805
Se 196.026	4.1467	ppb	5.2234	126.0	0.8996	4.14674
Sn 189.925	1.5170	ppb	2.2904	151.0	-0.1417	1.51702
Sr 216.596	0.1353	ppb	0.4426	327.1	9.7207	0.13530
Ti 334.941	0.1146	ppb	0.0151	13.2	-61.6039	0.11456
Tl 190.794	2.6254	ppb	2.6059	99.3	0.5799	2.62539
V 292.401	0.1592	ppb	0.0954	59.9	8.2844	0.15924
Zn 206.200	-0.4287	ppb	0.6780	158.2	8.16765	-0.42868

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4763u	-0.7086u	-0.1451u
Al 308.215	43.6683	42.4921	45.3858
As 188.980	0.3246	-3.2360u	-1.5627u
B 249.678	54.1143	53.5748	53.3220
Ba 389.178	69.6452	70.2044	69.6513
Be 313.042	0.0001u	0.0059u	-0.0086u
Ca 370.602	623.4	635.1	616.5
Cd 226.502	0.0072u	-0.0358u	-0.1311u
Co 228.615	1.1924	-0.4549u	0.1733
Cr 267.716	0.2114	-0.0237	-0.0424
Cu 324.754	2.0143	2.1848	1.4442
Fe 271.441	-2.6811u	2.0350	4.6657
K 766.491	199.527	203.163	196.862
Mg 279.078	182.293	182.745	183.219
Mn 257.610	5.0768	5.1487	5.1081
Mo 202.032	-0.2238u	-0.5621u	0.8654
Na 330.237	113493x	115584x	113121x
Ni 231.604	-0.0087u	0.5308	1.3422
Pb 220.353	7.7430	6.8989	7.1684
Sb 206.834	0.7693	0.4903	-1.9540u
Se 196.026	7.6193	7.0959	4.4448
Sn 189.925	1.1461	1.3526	2.6162
Sr 216.596	2.2808	2.2925	1.6661
Ti 334.941	0.0042u	0.1611	0.0876
Tl 190.794	6.0403	-6.3134u	-1.5537u
V 292.401	-0.4850u	0.0086u	0.6329
Zn 206.200	1.1920	2.9160	2.7115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4433b	ppb	0.2832	63.9	-97.4827
Al 308.215	43.8487b	ppb	1.4553	3.3	520.748
As 188.980	-1.4914b	ppb	1.7814	119.4	-1.3269
B 249.678	53.6704b	ppb	0.4047	0.8	702.389
Ba 389.178	69.8336b	ppb	0.3211	0.5	1694.78
Be 313.042	-0.0009b	ppb	0.0073	857.7	-226.089
Ca 370.602	625.0b	ppb	9.397	1.5	2055
Cd 226.502	-0.0532b	ppb	0.0708	133.0	8.4441
Co 228.615	0.3036b	ppb	0.8313	273.9	15.4414
Cr 267.716	0.0484b	ppb	0.1415	292.1	6.6651
Cu 324.754	1.8811b	ppb	0.3879	20.6	202.962
Fe 271.441	1.3399b	ppb	3.7224	277.8	5.9331
K 766.491	199.850b	ppb	3.1630	1.6	10272.8
Mg 279.078	182.752b	ppb	0.4630	0.3	405.968
Mn 257.610	5.1112b	ppb	0.0361	0.7	1236.30
Mo 202.032	0.0265b	ppb	0.7459	2817.2	9.3866
Na 330.237	114066xb	ppb	1327.50	1.2	5887.18
Ni 231.604	0.6215b	ppb	0.6800	109.4	3.9452
Pb 220.353	7.2701b	ppb	0.4311	5.9	15.5265
Sb 206.834	-0.2314b	ppb	1.4983	647.4	1.2478
Se 196.026	6.3866b	ppb	1.7019	26.6	2.0022
Sn 189.925	1.7050b	ppb	0.7959	46.7	0.0431
Sr 216.596	2.0798b	ppb	0.3583	17.2	28.7150
Ti 334.941	0.0843b	ppb	0.0785	93.1	-77.3483
Tl 190.794	-0.6090b	ppb	6.2308	1023.2	-1.6466
V 292.401	0.0522b	ppb	0.5602	1074.1	4.4372
Zn 206.200	2.2732b	ppb	0.9419	434.1	5.9024

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680-88510-a-6-b (Samp) 3/26/2013, 6:25:55 PM Rack 1, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5636u	0.0441	-0.4326u
Al 308.215	24.7146	21.9538	23.8596
As 188.980	0.0604	-0.8640u	-7.7043u
B 249.678	50.2182	50.5635	50.8246
Ba 389.178	43.1936	42.6518	43.4728
Be 313.042	0.0212	0.0124	0.0131
Ca 370.602	2702	2677	2701
Cd 226.502	-0.1434u	-0.0375u	-0.0381u
Co 228.615	0.7152	-0.2832u	0.1449
Cr 267.716	0.4781	0.6088	0.6534
Cu 324.754	0.9357	0.8374	0.8964
Fe 271.441	5.5776	3.1330	4.6778
K 766.491	501.566	495.478	494.929
Mg 279.078	743.532	736.368	741.924
Mn 257.610	22.6903	22.5214	22.5892
Mo 202.032	0.2694	0.2891	0.2810
Na 330.237	117193x	115961x	116555x
Ni 231.604	1.4136	0.4509	2.1788
Pb 220.353	2.9657	3.7914	5.2310
Sb 206.834	0.0490	-4.0700u	0.3177
Se 196.026	4.2079	2.9491	2.3083
Sn 189.925	0.5190	-0.1296u	0.5286
Sr 216.596	8.7282	8.3693	7.9544
Ti 334.941	0.0610	0.1274	0.1075
Tl 190.794	-1.4783u	-1.0828u	-1.4364u
V 292.401	-0.0278u	-0.1757u	-0.1049u
Zn 206.200	2.3288	3.9709	3.3538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3174b	ppb	0.3198	100.8	-88.8086
Al 308.215	23.5093b	ppb	1.4133	6.0	402.346
As 188.980	-2.8359b	ppb	4.2414	149.6	-2.1418
B 249.678	50.5354b	ppb	0.3042	0.6	672.789
Ba 389.178	43.1061b	ppb	0.4174	1.0	1036.41
Be 313.042	0.0156b	ppb	0.0049	31.3	-193.437
Ca 370.602	2693b	ppb	14.26	0.5	8876
Cd 226.502	-0.0730b	ppb	0.0610	83.5	7.7132
Co 228.615	0.1923b	ppb	0.5009	260.4	14.1280
Cr 267.716	0.5801b	ppb	0.0911	15.7	29.9893
Cu 324.754	0.8898b	ppb	0.0494	5.6	154.128
Fe 271.441	4.4628b	ppb	1.2364	27.7	11.2397
K 766.491	497.325b	ppb	3.6835	0.7	25257.4
Mg 279.078	740.608b	ppb	3.7592	0.5	1567.87
Mn 257.610	22.6003b	ppb	0.0850	0.4	5267.44
Mo 202.032	0.2798b	ppb	0.0099	3.5	11.0678
Na 330.237	116570xb	ppb	615.992	0.5	6016.38
Ni 231.604	1.3478b	ppb	0.8658	64.2	5.8449
Pb 220.353	3.9961b	ppb	1.1464	28.7	10.1233
Sb 206.834	-1.2344b	ppb	2.4594	199.2	0.3135
Se 196.026	3.1551b	ppb	0.9664	30.6	0.4176
Sn 189.925	0.3060b	ppb	0.3773	123.3	-1.0427
Sr 216.596	8.3506b	ppb	0.3872	4.6	89.9770
Ti 334.941	0.0986b	ppb	0.0341	34.5	-71.3524
Tl 190.794	-1.3325b	ppb	0.2173	16.3	-2.1617
V 292.401	-0.1028b	ppb	0.0740	72.0	-0.0119
Zn 206.200	3.2178b	ppb	0.8294	25.8	7.3785

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680-88510-a-7-b (Samp) 3/26/2013, 6:32:21 PM Rack 1, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3924	0.3124	-0.8468u
Al 308.215	17.7128	14.2888	18.9874
As 188.980	-4.6537u	0.1024	-1.9209u
B 249.678	45.7763	45.6081	46.1229
Ba 389.178	33.5648	33.7868	34.4300
Be 313.042	-0.0112u	-0.0043u	0.0059u
Ca 370.602	1092	1089	1097
Cd 226.502	-0.1607u	-0.2133u	-0.0047u
Co 228.615	0.7159	0.0308	-0.0216u
Cr 267.716	0.0696	-0.0095	-0.0537u
Cu 324.754	0.7344	0.4188	0.5972
Fe 271.441	-4.3624u	1.3808	-8.7330u
K 766.491	343.301	342.851	345.193
Mg 279.078	285.129	280.914	284.946
Mn 257.610	10.5340	10.5885	10.5602
Mo 202.032	0.7160	-0.1348u	-0.1637u
Na 330.237	104608x	105323x	105527x
Ni 231.604	1.3462	1.5031	0.6024
Pb 220.353	2.1323	-0.9071u	-1.5832u
Sb 206.834	-2.0590u	0.5678	2.6306
Se 196.026	7.4784	2.1086	9.0875
Sn 189.925	2.6811	0.9680	1.5310
Sr 216.596	4.8859	4.4879	4.7083
Ti 334.941	0.0683	0.0499	0.0349
Tl 190.794	6.7734	-1.3833u	8.4927
V 292.401	-0.3598u	-0.2600u	-0.1030u
Zn 206.200	0.9824	3.7857	-0.3149u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0473b	ppb	0.6935	1464.7	-69.7106
Al 308.215	16.9963b	ppb	2.4299	14.3	364.388
As 188.980	-2.1574b	ppb	2.3868	110.6	-1.7352
B 249.678	45.8357b	ppb	0.2625	0.6	628.433
Ba 389.178	33.9272b	ppb	0.4494	1.3	808.476
Be 313.042	-0.0032b	ppb	0.0086	268.2	-229.434
Ca 370.602	1093b	ppb	3.928	0.4	3598
Cd 226.502	-0.1262b	ppb	0.1085	85.9	5.7508
Co 228.615	0.2417b	ppb	0.4115	170.2	14.7163
Cr 267.716	0.0021b	ppb	0.0625	2943.8	4.5205
Cu 324.754	0.5835b	ppb	0.1582	27.1	139.024
Fe 271.441	-3.9049b	ppb	5.0724	129.9	-2.9697
K 766.491	343.782b	ppb	1.2429	0.4	17523.0
Mg 279.078	283.663b	ppb	2.3825	0.8	616.115
Mn 257.610	10.5609b	ppb	0.0273	0.3	2492.07
Mo 202.032	0.1391b	ppb	0.4997	359.1	10.1348
Na 330.237	105153xb	ppb	482.271	0.5	5427.14
Ni 231.604	1.1505b	ppb	0.4811	41.8	5.3289
Pb 220.353	-0.1193b	ppb	1.9791	1658.4	3.3246
Sb 206.834	0.3798b	ppb	2.3505	618.9	1.8178
Se 196.026	6.2248b	ppb	3.6544	58.7	1.9239
Sn 189.925	1.7267b	ppb	0.8732	50.6	0.0571
Sr 216.596	4.6940b	ppb	0.1993	4.2	54.2132
Ti 334.941	0.0510b	ppb	0.0167	32.8	-85.0532
Tl 190.794	4.6276b	ppb	5.2761	114.0	1.9450
V 292.401	-0.2410b	ppb	0.1294	53.7	-3.7301
Zn 206.200	1.4844b	ppb	2.0959	141.2	4.6688

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680-88510-a-8-b (Samp) 3/26/2013, 6:37:45 PM Rack 1, Tube 42
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3802u	-0.3710u	0.0123
Al 308.215	61.2132	60.9215	60.8043
As 188.980	-4.3283u	-5.6032u	-3.1271u
B 249.678	42.0823	41.4600	42.4520
Ba 389.178	48.7994	48.3002	48.2501
Be 313.042	0.0154	0.0205	0.0194
Ca 370.602	911.9	907.6	899.4
Cd 226.502	-0.1338u	0.0134u	-0.0570u
Co 228.615	0.9461	1.0265	-0.0207u
Cr 267.716	0.0038	0.1878	-0.0192
Cu 324.754	1.3248	1.4836	1.3643
Fe 271.441	-4.9145u	2.7414	0.0632
K 766.491	307.387	306.484	304.582
Mg 279.078	285.567	286.510	280.511
Mn 257.610	6.8181	6.8137	6.7790
Mo 202.032	0.0356	-0.5088u	1.0045
Na 330.237	114237x	113966x	113604x
Ni 231.604	0.8910	2.1559	1.0478
Pb 220.353	3.4821	4.7756	6.1929
Sb 206.834	-1.5556u	0.2187	-1.2876u
Se 196.026	3.2874	-0.9671u	7.6227
Sn 189.925	-1.8552u	-1.6422u	-1.2420u
Sr 216.596	2.0473	2.6298	3.0529
Ti 334.941	0.0732	0.0896	0.0822
Tl 190.794	3.8573	5.1145	-3.2381u
V 292.401	-0.1534u	-0.5581u	0.4444
Zn 206.200	3.5228	1.2635	3.4690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2463b	ppb	0.2240	90.9	-83.6393
Al 308.215	60.9797b	ppb	0.2106	0.3	620.563
As 188.980	-4.3528b	ppb	1.2382	28.4	-3.0955
B 249.678	41.9981b	ppb	0.5014	1.2	592.205
Ba 389.178	48.4499b	ppb	0.3037	0.6	1167.07
Be 313.042	0.0184b	ppb	0.0027	14.5	-188.208
Ca 370.602	906.3b	ppb	6.359	0.7	2983
Cd 226.502	-0.0591b	ppb	0.0736	124.5	8.2256
Co 228.615	0.6506b	ppb	0.5828	89.6	19.5043
Cr 267.716	0.0574b	ppb	0.1135	197.5	7.0663
Cu 324.754	1.3909b	ppb	0.0827	5.9	178.821
Fe 271.441	-0.7033b	ppb	3.8851	552.4	2.4961
K 766.491	306.151b	ppb	1.4319	0.5	15627.5
Mg 279.078	284.196b	ppb	3.2259	1.1	617.272
Mn 257.610	6.8036b	ppb	0.0214	0.3	1626.67
Mo 202.032	0.1771b	ppb	0.7665	432.8	10.3864
Na 330.237	113936xb	ppb	317.450	0.3	5880.45
Ni 231.604	1.3649b	ppb	0.6895	50.5	5.8896
Pb 220.353	4.8169b	ppb	1.3559	28.1	11.4745
Sb 206.834	-0.8749b	ppb	0.9565	109.3	0.6431
Se 196.026	3.3143b	ppb	4.2950	129.6	0.4919
Sn 189.925	-1.5798b	ppb	0.3113	19.7	-2.5100
Sr 216.596	2.5767b	ppb	0.5049	19.6	33.5551
Ti 334.941	0.0817b	ppb	0.0082	10.1	-77.6098
Tl 190.794	1.9112b	ppb	4.5036	235.6	0.0827
V 292.401	-0.0890b	ppb	0.5043	566.6	0.3737
Zn 206.200	2.7518b	ppb	1.2891	46.8	6.6506

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680-88510-a-9-b (Samp) 3/26/2013, 6:43:10 PM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4557u	-0.4335u	-0.1266u
Al 308.215	49.3660	51.9526	51.8690
As 188.980	4.2782	-2.7234u	-6.7386u
B 249.678	39.3921	39.8139	39.2359
Ba 389.178	37.2655	37.3247	37.2630
Be 313.042	-0.0020u	0.0051u	-0.0018u
Ca 370.602	1140	1139	1145
Cd 226.502	-0.0330u	-0.0765u	-0.1347u
Co 228.615	0.3410	0.4980	0.3641
Cr 267.716	0.0079	-0.1051u	0.1229
Cu 324.754	0.5211	0.9967	0.4107
Fe 271.441	-0.1622u	1.7427	-3.3479u
K 766.491	339.301	338.505	339.812
Mg 279.078	277.617	279.652	278.084
Mn 257.610	10.2725	10.2737	10.2470
Mo 202.032	0.7374	-0.6294u	0.5087
Na 330.237	114581x	113981x	114438x
Ni 231.604	1.4511	0.6733	1.6514
Pb 220.353	1.9762	5.4021	2.4200
Sb 206.834	-0.9341u	1.6336	2.1652
Se 196.026	-1.0209u	-0.4248u	4.7065
Sn 189.925	1.1544	-3.4343u	1.7189
Sr 216.596	2.7240	3.1655	2.4478
Ti 334.941	0.0614	0.0558	0.0767
Tl 190.794	2.0654	-1.6307u	-1.7259u
V 292.401	-0.1632u	0.1111	-0.3574u
Zn 206.200	2.8215	3.4942	2.0604

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3386b	ppb	0.1839	54.3	-90.1077
Al 308.215	51.0625b	ppb	1.4698	2.9	562.771
As 188.980	-1.7279b	ppb	5.5754	322.7	-1.4690
B 249.678	39.4807b	ppb	0.2990	0.8	568.441
Ba 389.178	37.2844b	ppb	0.0349	0.1	891.360
Be 313.042	0.0004b	ppb	0.0041	925.1	-223.408
Ca 370.602	1141b	ppb	2.748	0.2	3758
Cd 226.502	-0.0814b	ppb	0.0510	62.7	7.3880
Co 228.615	0.4010b	ppb	0.0848	21.1	16.5814
Cr 267.716	0.0086b	ppb	0.1140	1329.6	4.9524
Cu 324.754	0.6428b	ppb	0.3114	48.4	141.952
Fe 271.441	-0.5891b	ppb	2.5720	436.6	2.6838
K 766.491	339.206b	ppb	0.6585	0.2	17292.5
Mg 279.078	278.451b	ppb	1.0661	0.4	605.253
Mn 257.610	10.2644b	ppb	0.0151	0.1	2423.71
Mo 202.032	0.2056b	ppb	0.7321	356.2	10.5752
Na 330.237	114333xb	ppb	313.320	0.3	5900.96
Ni 231.604	1.2586b	ppb	0.5167	41.1	5.6115
Pb 220.353	3.2661b	ppb	1.8631	57.0	8.9147
Sb 206.834	0.9549b	ppb	1.6574	173.6	2.3531
Se 196.026	1.0869b	ppb	3.1488	289.7	-0.6025
Sn 189.925	-0.1870b	ppb	2.8264	1511.2	-1.4273
Sr 216.596	2.7791b	ppb	0.3620	13.0	35.5611
Ti 334.941	0.0647b	ppb	0.0108	16.7	-82.1585
Tl 190.794	-0.4304b	ppb	2.1620	502.3	-1.5292
V 292.401	-0.1365b	ppb	0.2354	172.5	-0.8865
Zn 206.200	2.7920b	ppb	0.7173	25.7	67140

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680-88510-a-10-b (Samp) **3/26/2013, 6:48:35 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0519	0.0368	0.1156
Al 308.215	35.3034	35.2740	33.7524
As 188.980	-0.2267u	-1.9128u	-4.3815u
B 249.678	33.6698	35.5406	35.3819
Ba 389.178	61.3345	61.1780	60.1515
Be 313.042	0.0237	0.0266	0.0200
Ca 370.602	2578	2603	2581
Cd 226.502	0.0030u	-0.1562u	0.1052
Co 228.615	-0.0476u	0.7026	-0.2130u
Cr 267.716	0.0708	-0.2441u	-0.2903u
Cu 324.754	0.3965	0.3482	-0.0174u
Fe 271.441	-3.9710u	4.2367	-6.1688u
K 766.491	541.659	543.554	537.583
Mg 279.078	462.291	461.117	458.472
Mn 257.610	12.6710	12.7674	12.6266
Mo 202.032	-0.1572u	-0.5988u	-0.9803u
Na 330.237	113195x	113723x	112846x
Ni 231.604	0.7241	2.3368	1.2729
Pb 220.353	-0.1572u	4.3079	0.8459
Sb 206.834	-2.0365u	-1.8212u	0.4256
Se 196.026	-3.8293u	5.7864	2.6788
Sn 189.925	-0.7822u	-0.9214u	-2.2513u
Sr 216.596	7.4033	8.4516	7.2678
Ti 334.941	-0.0306u	0.0035u	0.0294
Tl 190.794	-4.7869u	5.4884	-0.2187u
V 292.401	-0.1647u	-0.5021u	-0.4947u
Zn 206.200	0.5299	2.9267	1.3327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0681b	ppb	0.0418	61.4	-61.6974
Al 308.215	34.7766b	ppb	0.8871	2.6	467.887
As 188.980	-2.1737b	ppb	2.0897	96.1	-1.7327
B 249.678	34.8641b	ppb	1.0373	3.0	524.862
Ba 389.178	60.8880b	ppb	0.6426	1.1	1474.68
Be 313.042	0.0234b	ppb	0.0033	14.2	-177.591
Ca 370.602	2587b	ppb	13.30	0.5	8526
Cd 226.502	-0.0160b	ppb	0.1317	822.7	9.8547
Co 228.615	0.1474b	ppb	0.4880	331.1	13.6159
Cr 267.716	-0.1546b	ppb	0.1965	127.1	-2.1769
Cu 324.754	0.2424b	ppb	0.2263	93.4	122.211
Fe 271.441	-1.9677b	ppb	5.4844	278.7	0.3314
K 766.491	540.932b	ppb	3.0511	0.6	27454.0
Mg 279.078	460.627b	ppb	1.9559	0.4	984.742
Mn 257.610	12.6883b	ppb	0.0720	0.6	2983.02
Mo 202.032	-0.5788b	ppb	0.4119	71.2	5.3705
Na 330.237	113255xb	ppb	441.220	0.4	5845.31
Ni 231.604	1.4446b	ppb	0.8199	56.8	6.0979
Pb 220.353	1.6655b	ppb	2.3427	140.7	6.2728
Sb 206.834	-1.1440b	ppb	1.3636	119.2	0.3993
Se 196.026	1.5453b	ppb	4.9070	317.5	-0.3765
Sn 189.925	-1.3183b	ppb	0.8110	61.5	-2.3064
Sr 216.596	7.7076b	ppb	0.6479	8.4	83.7185
Ti 334.941	0.0008b	ppb	0.0301	3727.5	-98.2009
Tl 190.794	0.1610b	ppb	5.1482	3198.4	-1.1254
V 292.401	-0.3872b	ppb	0.1927	49.8	-7.8422
Zn 206.200	1.5964b	ppb	1.2199	76.4	4.8444

680-88510-a-11-b (Samp) 3/26/2013, 6:54:01 PM Rack 1, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5127u	-0.3973u	0.0559
Al 308.215	13.3414	9.3312	12.0706
As 188.980	3.7991	-1.7080u	-13.6934u
B 249.678	37.1252	38.3421	39.1792
Ba 389.178	43.8126	43.2686	43.3746
Be 313.042	-0.0034u	-0.0105u	-0.0027u
Ca 370.602	2072	2062	2082
Cd 226.502	-0.1299u	-0.0593u	-0.1290u
Co 228.615	0.0234	0.3265	0.1890
Cr 267.716	-0.2046u	0.2149	0.1070
Cu 324.754	1.2691	1.3949	1.6160
Fe 271.441	-1.1653u	-5.1992u	-6.2071u
K 766.491	503.231	499.015	502.666
Mg 279.078	476.505	479.497	480.575
Mn 257.610	13.3253	13.2769	13.4124
Mo 202.032	-0.0651u	-0.2410u	-0.0787u
Na 330.237	116877x	116664x	117356x
Ni 231.604	0.8860	1.8311	0.6287
Pb 220.353	2.5923	0.3006	3.6008
Sb 206.834	5.2070	2.4176	-0.2770u
Se 196.026	0.2858	10.6546	6.3226
Sn 189.925	3.6903	1.1089	1.1507
Sr 216.596	6.6605	6.4396	6.1837
Ti 334.941	0.0110u	0.0432	0.0022u
Tl 190.794	0.9136	-0.0102u	2.9494
V 292.401	0.0609	-0.2950u	0.1559
Zn 206.200	2.6690	1.4116	2.2818

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2847b	ppb	0.3006	105.6	-86.4575
Al 308.215	11.5811b	ppb	2.0494	17.7	332.830
As 188.980	-3.8674b	ppb	8.9439	231.3	-2.7851
B 249.678	38.2155b	ppb	1.0329	2.7	556.503
Ba 389.178	43.4852b	ppb	0.2884	0.7	1045.02
Be 313.042	-0.0056b	ppb	0.0043	78.1	-235.146
Ca 370.602	2072b	ppb	10.38	0.5	6828
Cd 226.502	-0.1061b	ppb	0.0405	38.2	6.4356
Co 228.615	0.1797b	ppb	0.1518	84.5	13.9906
Cr 267.716	0.0391b	ppb	0.2179	556.9	6.3393
Cu 324.754	1.4267b	ppb	0.1756	12.3	180.565
Fe 271.441	-4.1905b	ppb	2.6679	63.7	-3.4813
K 766.491	501.638b	ppb	2.2887	0.5	25474.7
Mg 279.078	478.859b	ppb	2.1087	0.4	1022.72
Mn 257.610	13.3382b	ppb	0.0687	0.5	3132.74
Mo 202.032	-0.1283b	ppb	0.0979	76.3	8.3600
Na 330.237	116966xb	ppb	354.294	0.3	6036.85
Ni 231.604	1.1152b	ppb	0.6331	56.8	5.2365
Pb 220.353	2.1646b	ppb	1.6912	78.1	7.0974
Sb 206.834	2.4492b	ppb	2.7422	112.0	3.7505
Se 196.026	5.7544b	ppb	5.2077	90.5	1.6933
Sn 189.925	1.9833b	ppb	1.4785	74.5	0.2609
Sr 216.596	6.4279b	ppb	0.2386	3.7	71.1998
Ti 334.941	0.0188b	ppb	0.0216	115.0	-93.6533
Tl 190.794	1.2843b	ppb	1.5142	117.9	-0.3542
V 292.401	-0.0261b	ppb	0.2377	911.2	2.2516
Zn 206.200	2.1208b	ppb	0.6439	30.4	5.6641

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680-88510-a-14-b (Samp) **3/26/2013, 7:10:18 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.1369	0.0298	-0.5196u
Al 308.215	11.8041	12.4029	14.8839
As 188.980	1.6447	1.5395	-1.3660u
B 249.678	13.0099	13.3735	15.0552
Ba 389.178	36.7744	36.5475	36.7493
Be 313.042	-0.0086u	-0.0139u	-0.0139u
Ca 370.602	1585	1593	1598
Cd 226.502	0.2073	0.0719	-0.0659u
Co 228.615	0.4426	0.1536	0.3632
Cr 267.716	0.1349	-0.0245	-0.1031u
Cu 324.754	0.1291	0.3065	0.7414
Fe 271.441	-0.0730u	0.1358	2.5217
K 766.491	461.292	459.403	462.649
Mg 279.078	268.366	268.452	271.699
Mn 257.610	2.2212	2.2180	2.2282
Mo 202.032	0.0472	-0.3912u	0.2203
Na 330.237	113001x	113232x	114022x
Ni 231.604	1.5724	2.1841	0.9300
Pb 220.353	3.9854	3.9570	7.7213
Sb 206.834	0.4733	1.2661	-6.3555u
Se 196.026	7.5537	8.8019	4.5546
Sn 189.925	1.1997	3.6083	0.9251
Sr 216.596	5.7663	6.1575	6.4557
Ti 334.941	0.0110u	0.1112	0.1021
Tl 190.794	-5.8187u	4.4882	-0.0557u
V 292.401	0.0373	0.2822	-0.1056u
Zn 206.200	2.9530	-0.0213u	1.4326

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2157b	ppb	0.8437	391.2	-51.2906
Al 308.215	13.0303b	ppb	1.6330	12.5	341.286
As 188.980	0.6060b	ppb	1.7087	281.9	-0.0209
B 249.678	13.8129b	ppb	1.0912	7.9	326.143
Ba 389.178	36.6904b	ppb	0.1244	0.3	876.669
Be 313.042	-0.0121b	ppb	0.0031	25.2	-247.798
Ca 370.602	1592b	ppb	6.668	0.4	5243
Cd 226.502	0.0711b	ppb	0.1366	192.1	13.1265
Co 228.615	0.3198b	ppb	0.1493	46.7	15.6326
Cr 267.716	0.0024b	ppb	0.1213	5004.4	4.6341
Cu 324.754	0.3923b	ppb	0.3150	80.3	129.601
Fe 271.441	0.8615b	ppb	1.4416	167.3	5.1219
K 766.491	461.115b	ppb	1.6303	0.4	23433.4
Mg 279.078	269.506b	ppb	1.8998	0.7	586.754
Mn 257.610	2.2225b	ppb	0.0052	0.2	571.496
Mo 202.032	-0.0412b	ppb	0.3152	765.0	8.9373
Na 330.237	113418xb	ppb	535.548	0.5	5853.75
Ni 231.604	1.5621b	ppb	0.6271	40.1	6.4054
Pb 220.353	5.2212b	ppb	2.1652	41.5	12.1428
Sb 206.834	-1.5387b	ppb	4.1903	272.3	0.0289
Se 196.026	6.9701b	ppb	2.1830	31.3	2.2883
Sn 189.925	1.9110b	ppb	1.4763	77.3	0.2034
Sr 216.596	6.1265b	ppb	0.3458	5.6	68.2119
Ti 334.941	0.0748b	ppb	0.0554	74.1	-79.4563
Tl 190.794	-0.4621b	ppb	5.1654	1117.9	-1.5429
V 292.401	0.0713b	ppb	0.1961	275.0	4.9866
Zn 206.200	1.4548b	ppb	1.4873	140.2	4.6224

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Cont Calib Blank (CCB) 3/26/2013, 7:21:08 PM Rack 1, Tube 50**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0122u	-0.3212u	0.1097
Al 308.215	-2.6124u	-2.5459u	-5.7906u
As 188.980	1.1404	-4.1684u	-4.7559u
B 249.678	42.7506	38.0790	35.1699
Ba 389.178	-0.0856u	0.2706	0.5067
Be 313.042	0.0153	0.0095	0.0032
Ca 370.602	-2.497u	-2.243u	1.570
Cd 226.502	0.1223	-0.0929u	-0.2026u
Co 228.615	0.4653	-0.1112u	-0.0103u
Cr 267.716	-0.0400u	0.4571	-0.0870u
Cu 324.754	0.5001	0.7531	0.4073
Fe 271.441	0.7754	0.3824	9.2586
K 766.491	0.2283	0.6429	-0.1070u
Mg 279.078	0.4654	3.1037	1.8786
Mn 257.610	0.2175	0.1549	0.0636
Mo 202.032	0.9548	0.7898	0.9097
Na 330.237	84.2525	-121.571u	-48.9951u
Ni 231.604	0.2689	-0.0845u	-1.3259u
Pb 220.353	-1.5461u	-6.2249u	-0.9068u
Sb 206.834	2.2782	1.8391	9.2520
Se 196.026	10.9516	1.3439	2.6507
Sn 189.925	4.1760	3.5291	0.1417
Sr 216.596	0.1547	0.0138	-0.3840u
Ti 334.941	0.0912	0.0731	0.1188
Tl 190.794	-2.3463u	-0.3447u	-0.0943u
V 292.401	0.3262	-0.0308u	0.0634
Zn 206.200	-0.3554u	0.0529	-0.7593u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0746	ppb	0.2221	297.7	-71.4528	-0.07459
Al 308.215	-3.6496	ppb	1.8544	50.8	244.257	-3.64964
As 188.980	-2.5946	ppb	3.2480	125.2	-2.0152	-2.59463
B 249.678	38.6665	ppb	3.8244	9.9	560.754	38.66652
Ba 389.178	0.2305	ppb	0.2981	129.3	-24.3249	0.23054
Be 313.042	0.0093	ppb	0.0060	64.9	-192.468	0.00931
Ca 370.602	-1.056	ppb	2.278	215.6	-9.757	-1.05649
Cd 226.502	-0.0577	ppb	0.1653	286.2	8.9298	-0.05774
Co 228.615	0.1146	ppb	0.3079	268.7	13.1970	0.11459
Cr 267.716	0.1100	ppb	0.3015	274.0	7.4591	0.11004
Cu 324.754	0.5535	ppb	0.1790	32.3	137.565	0.55353
Fe 271.441	3.4721	ppb	5.0151	144.4	9.5955	3.47213
K 766.491	0.2548	ppb	0.3757	147.5	218.647	0.25476
Mg 279.078	1.8159	ppb	1.3203	72.7	29.1188	1.81588
Mn 257.610	0.1453	ppb	0.0774	53.2	92.2075	0.14533
Mo 202.032	0.8848	ppb	0.0853	9.6	15.0819	0.88476
Na 330.237	-28.7713	ppb	104.392	362.8	-1.4919	-28.77128
Ni 231.604	-0.3805	ppb	0.8376	220.1	1.3247	-0.38054
Pb 220.353	-2.8926	ppb	2.9035	100.4	-1.2584	-2.89261
Sb 206.834	4.4564	ppb	4.1589	93.3	5.6133	4.45643
Se 196.026	4.9821	ppb	5.2109	104.6	1.3103	4.98208
Sn 189.925	2.6156	ppb	2.1668	82.8	0.7122	2.61560
Sr 216.596	-0.0718	ppb	0.2794	389.0	7.6868	-0.07183
Ti 334.941	0.0944	ppb	0.0230	24.4	-66.9351	0.09436
Tl 190.794	-0.9284	ppb	1.2343	132.9	-1.8613	-0.92844
V 292.401	0.1196	ppb	0.1850	154.7	7.1220	0.11961
Zn 206.200	-0.3539	ppb	0.4061	114.7	89.17934	-0.35394

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680-88510-a-16-b (Samp) 3/26/2013, 7:31:55 PM Rack 1, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3581	0.1822	-0.3934u
Al 308.215	25.5578	28.9360	28.5789
As 188.980	-0.1197u	-4.9914u	2.6814
B 249.678	28.6861	31.4055	30.2937
Ba 389.178	33.6528	35.3523	34.6727
Be 313.042	0.0246	0.0347	0.0306
Ca 370.602	1952	2025	2022
Cd 226.502	-0.2494u	0.0981	-0.1058u
Co 228.615	1.0070	0.6625	0.7822
Cr 267.716	0.1781	-0.0269	-0.0326
Cu 324.754	0.7176	0.7099	0.4618
Fe 271.441	5.2894	1.6293	-1.2586u
K 766.491	555.159	570.830	568.731
Mg 279.078	429.314	445.233	441.407
Mn 257.610	45.9534	47.6701	47.6448
Mo 202.032	-0.4973u	-0.4951u	0.6166
Na 330.237	89778.3	92654.7x	92551.8x
Ni 231.604	0.5489	1.1448	2.6119
Pb 220.353	1.1589	2.7602	2.5244
Sb 206.834	-1.6918u	0.4166	0.0649
Se 196.026	7.9674	1.5536	4.4088
Sn 189.925	1.7780	3.5742	0.1413
Sr 216.596	5.6386	5.8596	5.9486
Ti 334.941	0.0616	0.1251	0.0861
Tl 190.794	-1.2515u	-4.8338u	0.2712
V 292.401	-0.2549u	0.2758	-0.2048u
Zn 206.200	4.9542	3.8390	4.9682

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0490b	ppb	0.3931	802.8	-62.8121
Al 308.215	27.6909b	ppb	1.8559	6.7	426.625
As 188.980	-0.8099b	ppb	3.8827	479.4	-0.8936
B 249.678	30.1284b	ppb	1.3672	4.5	480.160
Ba 389.178	34.5593b	ppb	0.8554	2.5	824.514
Be 313.042	0.0299b	ppb	0.0051	16.9	-162.402
Ca 370.602	2000b	ppb	41.12	2.1	6589
Cd 226.502	-0.0857b	ppb	0.1746	203.7	7.3521
Co 228.615	0.8172b	ppb	0.1749	21.4	21.4874
Cr 267.716	0.0395b	ppb	0.1200	303.7	6.0750
Cu 324.754	0.6298b	ppb	0.1455	23.1	141.296
Fe 271.441	1.8867b	ppb	3.2816	173.9	6.9795
K 766.491	564.907b	ppb	8.5068	1.5	28661.7
Mg 279.078	438.651b	ppb	8.3096	1.9	938.420
Mn 257.610	47.0894b	ppb	0.9839	2.1	10906.0
Mo 202.032	-0.1253b	ppb	0.6425	512.8	8.3797
Na 330.237	91661.6xb	ppb	1631.82	1.8	4730.82
Ni 231.604	1.4352b	ppb	1.0617	74.0	6.0734
Pb 220.353	2.1478b	ppb	0.8646	40.3	7.0765
Sb 206.834	-0.4035b	ppb	1.1295	280.0	1.0919
Se 196.026	4.6433b	ppb	3.2133	69.2	1.1552
Sn 189.925	1.8312b	ppb	1.7171	93.8	0.1342
Sr 216.596	5.8156b	ppb	0.1597	2.7	65.2296
Ti 334.941	0.0909b	ppb	0.0320	35.2	-72.8320
Tl 190.794	-1.9380b	ppb	2.6208	135.2	-2.6014
V 292.401	-0.0613b	ppb	0.2930	477.9	1.4810
Zn 206.200	4.5871b	ppb	0.6479	14.1	9.5211

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2506u	-0.4997u	-0.1327u
Al 308.215	34.3367	35.5313	34.2773
As 188.980	1.9461	-2.0320u	-3.6433u
B 249.678	37.2093	35.9677	37.5092
Ba 389.178	27.3415	27.0093	26.0058
Be 313.042	0.0308	0.0121	0.0214
Ca 370.602	3266	3238	3263
Cd 226.502	-0.2908u	-0.0659u	0.1591
Co 228.615	0.9791	0.8120	1.0437
Cr 267.716	-0.0129	0.2701	-0.0071
Cu 324.754	0.4150	0.4656	0.5539
Fe 271.441	-3.6209u	-0.1302u	-4.8718u
K 766.491	667.007	663.578	663.342
Mg 279.078	574.119	569.466	577.893
Mn 257.610	34.1349	33.8701	34.1603
Mo 202.032	-0.5130u	-0.4267u	-0.3621u
Na 330.237	119027x	118575x	118758x
Ni 231.604	0.3212	0.7873	1.3266
Pb 220.353	1.4822	0.8454	-0.9418u
Sb 206.834	-2.0991u	1.5954	2.7095
Se 196.026	-2.4629u	6.7765	1.2829
Sn 189.925	-1.3024u	2.0847	-0.7476u
Sr 216.596	5.5322	5.1559	5.7192
Ti 334.941	-0.0408u	0.0434	0.0177u
Tl 190.794	2.4387	0.3764	5.7298
V 292.401	-0.1282u	0.0488	0.1270
Zn 206.200	8.6149	6.5342	9.1230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2943b	ppb	0.1873	63.7	-87.0255
Al 308.215	34.7151b	ppb	0.7075	2.0	467.524
As 188.980	-1.2431b	ppb	2.8770	231.4	-1.1511
B 249.678	36.8954b	ppb	0.8173	2.2	544.039
Ba 389.178	26.7855b	ppb	0.6954	2.6	632.943
Be 313.042	0.0214b	ppb	0.0094	43.7	-181.989
Ca 370.602	3256b	ppb	15.39	0.5	10731
Cd 226.502	-0.0659b	ppb	0.2249	341.6	7.9442
Co 228.615	0.9449b	ppb	0.1196	12.7	22.9853
Cr 267.716	0.0834b	ppb	0.1617	194.0	8.3826
Cu 324.754	0.4782b	ppb	0.0703	14.7	133.825
Fe 271.441	-2.8743b	ppb	2.4574	85.5	-1.1524
K 766.491	664.642b	ppb	2.0511	0.3	33685.7
Mg 279.078	573.826b	ppb	4.2210	0.7	1220.23
Mn 257.610	34.0551b	ppb	0.1607	0.5	7904.67
Mo 202.032	-0.4339b	ppb	0.0757	17.5	6.3312
Na 330.237	118787xb	ppb	227.143	0.2	6130.77
Ni 231.604	0.8117b	ppb	0.5031	62.0	4.4428
Pb 220.353	0.4619b	ppb	1.2567	272.0	4.2895
Sb 206.834	0.7352b	ppb	2.5170	342.3	2.1546
Se 196.026	1.8655b	ppb	4.6471	249.1	-0.2138
Sn 189.925	0.0116b	ppb	1.8167	15685.8	-1.2705
Sr 216.596	5.4691b	ppb	0.2869	5.2	61.9768
Ti 334.941	0.0068b	ppb	0.0432	637.3	-96.5657
Tl 190.794	2.8483b	ppb	2.7001	94.8	0.6995
V 292.401	0.0159b	ppb	0.1307	824.5	3.4317
Zn 206.200	8.0907b	ppb	1.3717	17.0	15.0005

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ics 680-270736/2-a (Samp) **3/26/2013, 7:53:46 PM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	13.0292	12.3356	12.9408
Al 308.215	4914.39	4872.51	4922.63
As 188.980	104.404	97.8821	103.035
B 249.678	182.717	183.350	185.645
Ba 389.178	102.747	101.835	102.562
Be 313.042	51.2508	50.7451	51.3733
Ca 370.602	4912	4853	4916
Cd 226.502	50.8374	50.0595	50.6890
Co 228.615	51.5518	51.2756	51.3656
Cr 267.716	99.1398	98.5666	100.017
Cu 324.754	101.048	98.9480	103.042
Fe 271.441	5054.17	5009.09	5071.15
K 766.491	5127.87	5072.75	5111.34
Mg 279.078	4961.70	4921.11	4971.05
Mn 257.610	515.505	511.266	517.471
Mo 202.032	99.1265	97.3897	99.5062
Na 330.237	4548.38	4740.55	4602.18
Ni 231.604	102.239	98.3832	102.215
Pb 220.353	49.9728	49.1553	52.4234
Sb 206.834	42.5611	47.3635	51.8417
Se 196.026	102.789	98.4023	111.282
Sn 189.925	216.920	213.379	217.679
Sr 216.596	101.282	100.095	102.445
Ti 334.941	100.156	98.9442	100.341
Tl 190.794	41.8798	42.1765	36.4749
V 292.401	101.878	101.148	102.569
Zn 206.200	99.5539	99.2284	98.5273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.7686	ppb	0.3775	3.0	830.545
Al 308.215	4903.18	ppb	26.8750	0.5	28828.4
As 188.980	101.774	ppb	3.4389	3.4	62.5358
B 249.678	183.904	ppb	1.5405	0.8	1927.04
Ba 389.178	102.381	ppb	0.4822	0.5	2520.10
Be 313.042	51.1231	ppb	0.3330	0.7	100123
Ca 370.602	4894	ppb	35.26	0.7	15743
Cd 226.502	50.5286	ppb	0.4130	0.8	1922.94
Co 228.615	51.3977	ppb	0.1409	0.3	615.057
Cr 267.716	99.2412	ppb	0.7306	0.7	4337.23
Cu 324.754	101.012	ppb	2.0471	2.0	5090.81
Fe 271.441	5044.80	ppb	32.0749	0.6	8591.73
K 766.491	5103.99	ppb	28.2854	0.6	257308
Mg 279.078	4951.29	ppb	26.5479	0.5	10331.6
Mn 257.610	514.747	ppb	3.1709	0.6	118654
Mo 202.032	98.6741	ppb	1.1284	1.1	663.620
Na 330.237	4630.37	ppb	99.1349	2.1	235.927
Ni 231.604	100.946	ppb	2.2193	2.2	266.432
Pb 220.353	50.5172	ppb	1.7007	3.4	86.7673
Sb 206.834	47.2554	ppb	4.6413	9.8	45.7194
Se 196.026	104.158	ppb	6.5478	6.3	50.2309
Sn 189.925	215.993	ppb	2.2948	1.1	166.572
Sr 216.596	101.274	ppb	1.1746	1.2	992.533
Ti 334.941	99.8138	ppb	0.7586	0.8	26354.3
Tl 190.794	40.1771	ppb	3.2096	8.0	25.7046
V 292.401	101.865	ppb	0.7106	0.7	2844.42
Zn 206.200	99.1032	ppb	0.5246	0.5	157.035

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680-88517-a-1-d (Samp) **3/26/2013, 8:04:37 PM** **Rack 1, Tube 58****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5390u	-1.1261u	-0.0651u
Al 308.215	89017.3	88590.5	88763.7
As 188.980	71.0590	65.4052	72.5504
B 249.678	-4.7510u	-5.5703u	-4.5530u
Ba 389.178	197.871	196.688	196.873
Be 313.042	1.1905	1.1798	1.1760
Ca 370.602	4111	4097	4099
Cd 226.502	0.0195	-0.0890	0.0019
Co 228.615	6.9942	7.0819	7.5386
Cr 267.716	137.136	136.511	137.149
Cu 324.754	114.348	112.423	110.688
Fe 271.441	106974	106470	106530
K 766.491	1218.46	1203.14	1206.79
Mg 279.078	1194.38	1180.79	1194.11
Mn 257.610	279.524	278.516	278.942
Mo 202.032	9.3850	9.8546	9.8807
Na 330.237	100.558u	-8.1895u	81.1348u
Ni 231.604	36.6177	37.1247	34.3912
Pb 220.353	322.599	322.155	328.067
Sb 206.834	1.9955	6.1912	12.4833
Se 196.026	-5.9732u	1.9541	2.7019
Sn 189.925	34.3275	31.0262	33.1633
Sr 216.596	97.9715	97.0715	98.7553
Ti 334.941	867.660	867.776	868.680
Tl 190.794	6.2508	1.9275u	7.2575
V 292.401	264.842	262.766	262.725
Zn 206.200	236.380	234.104	236.691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5767	ppb	0.5315	92.2	-108.201
Al 308.215	88790.5	ppb	214.649	0.2	517294
As 188.980	69.6715	ppb	3.7693	5.4	41.6554
B 249.678	-4.9581	ppb	0.5394	10.9	48.8282
Ba 389.178	197.144	ppb	0.6362	0.3	5002.50
Be 313.042	1.1821	ppb	0.0075	0.6	2106.54
Ca 370.602	4102	ppb	7.559	0.2	4736
Cd 226.502	-0.0225	ppb	0.0582	258.5	270.827
Co 228.615	7.2049	ppb	0.2923	4.1	116.347
Cr 267.716	136.932	ppb	0.3647	0.3	6004.60
Cu 324.754	112.486	ppb	1.8309	1.6	5681.72
Fe 271.441	106658	ppb	275.678	0.3	181390
K 766.491	1209.46	ppb	7.9992	0.7	61129.7
Mg 279.078	1189.76	ppb	7.7704	0.7	2492.39
Mn 257.610	278.994	ppb	0.5061	0.2	64611.8
Mo 202.032	9.7068	ppb	0.2789	2.9	68.2933
Na 330.237	57.8342	ppb	57.9971	100.3	-37.6691
Ni 231.604	36.0445	ppb	1.4541	4.0	98.8184
Pb 220.353	324.274	ppb	3.2926	1.0	537.018
Sb 206.834	6.8900	ppb	5.2787	76.6	11.3045
Se 196.026	-0.4391	ppb	4.8073	1094.9	-0.6670
Sn 189.925	32.8390	ppb	1.6744	5.1	24.2039
Sr 216.596	97.9328	ppb	0.8426	0.9	1001.38
Ti 334.941	868.039	ppb	0.5584	0.1	229733
Tl 190.794	5.1453	ppb	2.8318	55.0	-1.6309
V 292.401	263.444	ppb	1.2104	0.5	7416.70
Zn 206.200	235.725	ppb	1.4123	0.6	379.590

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680-88517-a-2-jSD^5 (Samp) 3/26/2013, 8:15:29 PM Rack 1, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3505	-0.3279u	-0.8240u
Al 308.215	4148.21	4141.76	4137.01
As 188.980	31.8360	34.5711	29.8832
B 249.678	-10.4906u	-10.6888u	-10.5650u
Ba 389.178	138.488	137.618	137.599
Be 313.042	0.5900	0.5981	0.5930
Ca 370.602	8470	8455	8457
Cd 226.502	0.0488	0.1706	0.1751
Co 228.615	6.0464	5.7995	7.1769
Cr 267.716	18.6421	19.0183	18.6636
Cu 324.754	97.5861	96.2757	98.2533
Fe 271.441	20717.7	20635.8	20657.8
K 766.491	592.074	587.350	588.184
Mg 279.078	2944.88	2932.86	2926.78
Mn 257.610	170.751	170.214	170.335
Mo 202.032	2.0300	2.1636	1.2267
Na 330.237	331.384	-314.502u	-27.5374u
Ni 231.604	13.4377	14.0491	14.0836
Pb 220.353	119.969	121.966	121.672
Sb 206.834	-2.0750u	7.3627	3.1221
Se 196.026	10.5464	-3.5576u	-3.1334u
Sn 189.925	27.3090	26.2614	27.1480
Sr 216.596	216.373	217.805	216.624
Ti 334.941	250.191	249.719	249.892
Tl 190.794	5.0374	-4.1874u	0.9165u
V 292.401	16.5261	16.3726	16.1756
Zn 206.200	48.3546	46.4135	46.1266

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2672	ppb	0.5896	220.7	-93.5787
Al 308.215	4142.32	ppb	5.6208	0.1	24386.3
As 188.980	32.0968	ppb	2.3548	7.3	19.3143
B 249.678	-10.5815	ppb	0.1001	0.9	76.4687
Ba 389.178	137.902	ppb	0.5076	0.4	3414.36
Be 313.042	0.5937	ppb	0.0041	0.7	956.687
Ca 370.602	8461	ppb	7.836	0.1	26211
Cd 226.502	0.1315	ppb	0.0717	54.5	66.5607
Co 228.615	6.3409	ppb	0.7344	11.6	92.3777
Cr 267.716	18.7747	ppb	0.2112	1.1	827.718
Cu 324.754	97.3717	ppb	1.0061	1.0	4914.15
Fe 271.441	20670.4	ppb	42.4082	0.2	35157.1
K 766.491	589.202	ppb	2.5212	0.4	29885.6
Mg 279.078	2934.84	ppb	9.2074	0.3	6139.21
Mn 257.610	170.433	ppb	0.2817	0.2	39384.6
Mo 202.032	1.8068	ppb	0.5068	28.0	20.2272
Na 330.237	-3.5518	ppb	323.611	9111.3	-8.7201
Ni 231.604	13.8568	ppb	0.3633	2.6	38.9872
Pb 220.353	121.202	ppb	1.0783	0.9	203.505
Sb 206.834	2.8032	ppb	4.7269	168.6	4.6781
Se 196.026	1.2851	ppb	8.0233	624.3	-0.3456
Sn 189.925	26.9061	ppb	0.5641	2.1	19.5959
Sr 216.596	216.934	ppb	0.7647	0.4	2129.92
Ti 334.941	249.934	ppb	0.2390	0.1	66090.5
Tl 190.794	0.5888	ppb	4.6211	784.8	-1.7095
V 292.401	16.3581	ppb	0.1757	1.1	466.598
Zn 206.200	46.9649	ppb	1.2120	2.6	75.7407

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Cont Calib Verif (CCV) 3/26/2013, 8:20:55 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	499.095	499.982	497.057
Al 308.215	4973.73	4951.57	4966.96
As 188.980	462.333	470.552	458.662
B 249.678	2484.74	2498.55	2522.12
Ba 389.178	4962.93	4938.09	4956.72
Be 313.042	492.867	491.733	492.582
Ca 370.602	4928	4913	4927
Cd 226.502	483.149	480.969	483.044
Co 228.615	494.189	492.448	493.496
Cr 267.716	4791.86	4790.10	4804.09
Cu 324.754	4804.04	4808.52	4807.54
Fe 271.441	4965.32	4929.69	4956.33
K 766.491	10212.6	9909.67	10087.6
Mg 279.078	4884.39	4880.17	4904.49
Mn 257.610	4942.99	4924.89	4931.11
Mo 202.032	481.598	483.155	482.446
Na 330.237	7559.97	7148.19	7381.17
Ni 231.604	2465.15	2463.25	2477.49
Pb 220.353	489.885	479.691	486.027
Sb 206.834	922.919	921.022	927.582
Se 196.026	4864.17	4845.46	4866.42
Sn 189.925	4982.86	4988.57	4978.41
Sr 216.596	2438.01	2437.90	2446.36
Ti 334.941	486.935	486.305	487.688
Tl 190.794	4875.07	4873.90	4914.19
V 292.401	4933.66	4907.96	4912.41
Zn 206.200	2433.72	2424.65	2434.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.711	ppb	1.4998	0.3	34968.2	99.74223
Al 308.215	4964.09	ppb	11.3550	0.2	29147.9	99.28173
As 188.980	463.849	ppb	6.0886	1.3	286.501	92.76983
B 249.678	2501.80	ppb	18.9010	0.8	23807.5	100.07220
Ba 389.178	4952.58	ppb	12.9308	0.3	122292	99.05162
Be 313.042	492.394	ppb	0.5901	0.1	966079	98.47885
Ca 370.602	4922	ppb	8.440	0.2	16091	98.44963
Cd 226.502	482.387	ppb	1.2298	0.3	18157.4	96.47747
Co 228.615	493.378	ppb	0.8764	0.2	5817.41	98.67554
Cr 267.716	4795.35	ppb	7.6197	0.2	209325	95.90698
Cu 324.754	4806.70	ppb	2.3555	0.0	236926	96.13392
Fe 271.441	4950.45	ppb	18.5273	0.4	8543.91	99.00900
K 766.491	10070.0	ppb	152.215	1.5	507457	100.69952
Mg 279.078	4889.68	ppb	12.9926	0.3	10133.5	97.79368
Mn 257.610	4933.00	ppb	9.1963	0.2	1136238	98.65993
Mo 202.032	482.400	ppb	0.7797	0.2	3201.80	96.47994
Na 330.237	7363.11	ppb	206.484	2.8	356.494	98.17477
Ni 231.604	2468.63	ppb	7.7346	0.3	6458.70	98.74522
Pb 220.353	485.201	ppb	5.1468	1.1	804.724	97.04024
Sb 206.834	923.841	ppb	3.3761	0.4	905.908	92.38411
Se 196.026	4858.68	ppb	11.5039	0.2	2389.14	97.17369
Sn 189.925	4983.28	ppb	5.0940	0.1	3872.15	99.66559
Sr 216.596	2440.76	ppb	4.8549	0.2	23734.9	97.63020
Ti 334.941	486.976	ppb	0.6927	0.1	128851	97.39522
Tl 190.794	4887.72	ppb	22.9360	0.5	3352.89	97.75439
V 292.401	4918.01	ppb	13.7337	0.3	137936	98.36015
Zn 206.200	2430.95	ppb	5.4692	0.2	3789.49	97.23817

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Cont Calib Blank (CCB) 3/26/2013, 8:26:19 PM Rack 2, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3654	-1.0449u	-0.9094u
Al 308.215	-4.1125u	-0.6910u	-4.9454u
As 188.980	-1.0135u	-2.6356u	5.5858
B 249.678	43.0710	37.2601	32.5931
Ba 389.178	0.7534	1.1908	0.6303
Be 313.042	0.0145	0.0126	0.0203
Ca 370.602	-1.248u	-3.050u	-1.221u
Cd 226.502	-0.0564u	0.0532	-0.1093u
Co 228.615	-0.2586u	0.3285	-0.3031u
Cr 267.716	0.3623	0.3995	0.0694
Cu 324.754	-0.0953u	-0.1523u	0.1029
Fe 271.441	0.5833	-3.5880u	10.6085
K 766.491	0.1335	0.6083	0.9197
Mg 279.078	-1.3956u	-3.8613u	-4.9079u
Mn 257.610	0.3166	0.3208	0.2437
Mo 202.032	0.2560	1.0836	0.1721
Na 330.237	270.980	-52.2510u	-23.8517u
Ni 231.604	-0.3413u	1.2502	-1.0585u
Pb 220.353	-3.4157u	-0.4245u	3.8887
Sb 206.834	6.0372	0.2404	0.3663
Se 196.026	2.0757	3.6717	-9.1736u
Sn 189.925	1.0871	0.5304	3.2086
Sr 216.596	0.1834	0.0800	0.5538
Ti 334.941	0.1749	0.1439	0.0973
Tl 190.794	1.8438	-3.3238u	5.1499
V 292.401	0.7431	-0.5400u	0.0509
Zn 206.200	0.0242	-0.0976u	-2.3049u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5296	ppb	0.7781	146.9	-103.495	-0.52962
Al 308.215	-3.2497	ppb	2.2547	69.4	246.569	-3.24965
As 188.980	0.6456	ppb	4.3545	674.5	-0.0099	0.64560
B 249.678	37.6414	ppb	5.2493	13.9	551.082	37.64142
Ba 389.178	0.8582	ppb	0.2946	34.3	-8.8461	0.85819
Be 313.042	0.0158	ppb	0.0040	25.3	-179.723	0.01580
Ca 370.602	-1.840	ppb	1.048	57.0	-11.95	-1.83990
Cd 226.502	-0.0375	ppb	0.0829	221.1	9.6791	-0.03751
Co 228.615	-0.0778	ppb	0.3525	453.3	10.9435	-0.07776
Cr 267.716	0.2771	ppb	0.1808	65.3	14.7511	0.27706
Cu 324.754	-0.0482	ppb	0.1340	277.8	107.909	-0.04822
Fe 271.441	2.5346	ppb	7.2967	287.9	7.9671	2.53459
K 766.491	0.5539	ppb	0.3959	71.5	233.714	0.55386
Mg 279.078	-3.3883	ppb	1.8033	53.2	18.2737	-3.38828
Mn 257.610	0.2937	ppb	0.0433	14.8	126.348	0.29372
Mo 202.032	0.5039	ppb	0.5038	100.0	12.5549	0.50391
Na 330.237	64.9592	ppb	178.984	275.5	3.3540	64.95924
Ni 231.604	-0.0499	ppb	1.1816	2370.2	2.1895	-0.04985
Pb 220.353	0.0162	ppb	3.6721	22722.8	3.5457	0.01616
Sb 206.834	2.2146	ppb	3.3110	149.5	3.5252	2.21463
Se 196.026	-1.1421	ppb	7.0012	613.0	-1.7009	-1.14207
Sn 189.925	1.6087	ppb	1.4132	87.9	-0.0705	1.60867
Sr 216.596	0.2724	ppb	0.2491	91.4	11.0361	0.27242
Ti 334.941	0.1387	ppb	0.0391	28.2	-55.2161	0.13870
Tl 190.794	1.2233	ppb	4.2708	349.1	-0.3832	1.22327
V 292.401	0.0847	ppb	0.6422	758.4	6.1576	0.08468
Zn 206.200	-0.7928	ppb	1.3109	165.4	893.1066	-0.79278

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680-88517-a-2-jPDS (Samp) 3/26/2013, 8:31:54 PM Rack 2, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	95.6137	101.334	101.373
Al 308.215	22327.3	23580.7	23582.7
As 188.980	4249.49	4462.24	4479.24
B 249.678	18.4437	17.7217	17.8810
Ba 389.178	4463.88	4706.99	4709.86
Be 313.042	98.5729	104.037	104.115
Ca 370.602	38358	40375	40419
Cd 226.502	93.9880	99.6881	99.6703
Co 228.615	982.941	1027.30	1042.24
Cr 267.716	456.971	484.577	484.255
Cu 324.754	918.787	975.842	978.560
Fe 271.441	94641.5	100102	100103
K 766.491	2767.10	2887.78	2887.28
Mg 279.078	13195.0	13948.3	13958.6
Mn 257.610	1743.70	1840.08	1841.01
Mo 202.032	10.2440	11.4231	11.6986
Na 330.237	390.739u	234.383u	392.227u
Ni 231.604	1009.96	1071.26	1080.24
Pb 220.353	1487.88	1577.21	1568.42
Sb 206.834	954.126	1011.16	1000.95
Se 196.026	3838.76	4037.99	4043.45
Sn 189.925	118.391	128.359	129.232
Sr 216.596	979.051	1036.55	1038.55
Ti 334.941	1140.67	1208.52	1210.53
Tl 190.794	3866.07	4083.89	4037.97
V 292.401	1027.30	1084.49	1084.69
Zn 206.200	1142.75	1206.65	1197.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	99.4402	ppb	3.3139	3.3	6900.38
Al 308.215	23163.6	ppb	724.207	3.1	135130
As 188.980	4396.99	ppb	128.021	2.9	2719.96
B 249.678	18.0154	ppb	0.3793	2.1	273.467
Ba 389.178	4626.91	ppb	141.198	3.1	114404
Be 313.042	102.242	ppb	3.1775	3.1	200454
Ca 370.602	39717	ppb	1177	3.0	122994
Cd 226.502	97.7822	ppb	3.2858	3.4	3927.45
Co 228.615	1017.49	ppb	30.8397	3.0	11995.9
Cr 267.716	475.268	ppb	15.8461	3.3	20771.4
Cu 324.754	957.730	ppb	33.7528	3.5	47320.7
Fe 271.441	98282.3	ppb	3153.09	3.2	167309
K 766.491	2847.39	ppb	69.5340	2.4	143636
Mg 279.078	13700.6	ppb	437.895	3.2	28549.8
Mn 257.610	1808.26	ppb	55.9158	3.1	416871
Mo 202.032	11.1219	ppb	0.7727	6.9	76.6814
Na 330.237	339.116	ppb	90.7047	26.7	-30.2558
Ni 231.604	1053.82	ppb	38.2479	3.6	2760.43
Pb 220.353	1544.50	ppb	49.2365	3.2	2553.23
Sb 206.834	988.746	ppb	30.4130	3.1	930.913
Se 196.026	3973.40	ppb	116.632	2.9	1953.62
Sn 189.925	125.327	ppb	6.0227	4.8	96.1085
Sr 216.596	1018.05	ppb	33.7890	3.3	9949.68
Ti 334.941	1186.57	ppb	39.7685	3.4	314111
Tl 190.794	3995.98	ppb	114.821	2.9	2739.19
V 292.401	1065.49	ppb	33.0765	3.1	29959.6
Zn 206.200	1182.34	ppb	34.5833	2.9	1850.03

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680-88517-a-2-k ms (Samp) 3/26/2013, 8:37:20 PM Rack 2, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.3538	12.6256	12.8663
Al 308.215	22650.1	22644.7	22703.8
As 188.980	235.517	227.094	230.923
B 249.678	198.684	198.741	202.805
Ba 389.178	798.158	796.967	800.710
Be 313.042	53.6558	53.7149	53.9477
Ca 370.602	18402	18436	18505
Cd 226.502	50.6318	50.4282	50.9714
Co 228.615	77.3901	76.7805	76.5397
Cr 267.716	162.438	162.731	163.599
Cu 324.754	502.365	490.630	493.599
Fe 271.441	83943.9	84103.2	84200.6
K 766.491	8172.11	8167.60	8203.34
Mg 279.078	6825.59	6847.88	6862.87
Mn 257.610	1061.86	1062.26	1065.62
Mo 202.032	105.695	107.052	108.426
Na 330.237	5171.34	5194.55	5191.91
Ni 231.604	156.670	155.692	154.708
Pb 220.353	445.622	452.754	454.600
Sb 206.834	56.4420	56.6939	45.0879
Se 196.026	108.357	110.583	100.883
Sn 189.925	300.438	300.188	301.653
Sr 216.596	1286.66	1290.39	1299.96
Ti 334.941	1537.07	1542.64	1551.71
Tl 190.794	41.9078	42.7612	43.0191
V 292.401	187.154	186.807	187.284
Zn 206.200	250.673	251.717	250.390

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.6152	ppb	0.2564	2.0	771.835
Al 308.215	22666.2	ppb	32.6783	0.1	132263
As 188.980	231.178	ppb	4.2175	1.8	141.926
B 249.678	200.077	ppb	2.3629	1.2	2005.50
Ba 389.178	798.612	ppb	1.9119	0.2	19835.7
Be 313.042	53.7728	ppb	0.1543	0.3	105325
Ca 370.602	18448	ppb	52.83	0.3	54093
Cd 226.502	50.6771	ppb	0.2744	0.5	2121.66
Co 228.615	76.9034	ppb	0.4384	0.6	950.685
Cr 267.716	162.923	ppb	0.6040	0.4	7138.39
Cu 324.754	495.532	ppb	6.1015	1.2	24553.1
Fe 271.441	84082.6	ppb	129.576	0.2	143009
K 766.491	8181.02	ppb	19.4661	0.2	412306
Mg 279.078	6845.45	ppb	18.7610	0.3	14277.9
Mn 257.610	1063.25	ppb	2.0676	0.2	245207
Mo 202.032	107.058	ppb	1.3653	1.3	715.492
Na 330.237	5185.93	ppb	12.7081	0.2	228.331
Ni 231.604	155.690	ppb	0.9810	0.6	411.240
Pb 220.353	450.992	ppb	4.7413	1.1	747.137
Sb 206.834	52.7413	ppb	6.6292	12.6	53.0316
Se 196.026	106.608	ppb	5.0808	4.8	52.0296
Sn 189.925	300.760	ppb	0.7835	0.3	232.464
Sr 216.596	1292.34	ppb	6.8583	0.5	12625.2
Ti 334.941	1543.81	ppb	7.3892	0.5	408654
Tl 190.794	42.5627	ppb	0.5816	1.4	24.0491
V 292.401	187.081	ppb	0.2465	0.1	5259.23
Zn 206.200	250.927	ppb	0.6988	0.3	294.285

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680-88517-a-2-1 msd (Samp) 3/26/2013, 8:42:45 PM Rack 2, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	33.9445	32.7930	33.1441
Al 308.215	28411.1	28405.1	28451.4
As 188.980	246.725	235.592	248.270
B 249.678	196.885	196.544	198.806
Ba 389.178	1114.19	1112.30	1115.86
Be 313.042	53.1505	53.1869	53.3153
Ca 370.602	22340	22354	22396
Cd 226.502	50.4146	49.9361	50.5464
Co 228.615	76.9628	78.3783	77.6264
Cr 267.716	172.243	173.151	173.267
Cu 324.754	549.822	560.702	551.952
Fe 271.441	113058	112937	113100
K 766.491	9246.47	9223.83	9243.69
Mg 279.078	7514.89	7500.00	7521.79
Mn 257.610	1440.94	1441.11	1443.00
Mo 202.032	105.628	105.281	106.273
Na 330.237	5022.44	5272.95	5130.06
Ni 231.604	163.527	162.152	163.552
Pb 220.353	574.215	576.362	577.374
Sb 206.834	51.0929	53.7888	60.4321
Se 196.026	103.550	108.243	95.2928
Sn 189.925	312.482	317.340	320.452
Sr 216.596	1650.52	1657.82	1663.90
Ti 334.941	1640.63	1643.87	1650.05
Tl 190.794	41.1158	48.4198	37.1183
V 292.401	207.778	208.589	209.054
Zn 206.200	302.718	302.008	300.375

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	33.2939	ppb	0.5902	1.8	2212.78
Al 308.215	28422.5	ppb	25.2130	0.1	165782
As 188.980	243.529	ppb	6.9170	2.8	149.309
B 249.678	197.412	ppb	1.2192	0.6	1953.18
Ba 389.178	1114.12	ppb	1.7808	0.2	27671.6
Be 313.042	53.2176	ppb	0.0866	0.2	104235
Ca 370.602	22363	ppb	29.38	0.1	64605
Cd 226.502	50.2991	ppb	0.3211	0.6	2178.15
Co 228.615	77.6558	ppb	0.7082	0.9	961.361
Cr 267.716	172.887	ppb	0.5607	0.3	7581.14
Cu 324.754	554.159	ppb	5.7662	1.0	27450.1
Fe 271.441	113032	ppb	84.4893	0.1	192240
K 766.491	9238.00	ppb	12.3473	0.1	465549
Mg 279.078	7512.23	ppb	11.1325	0.1	15664.4
Mn 257.610	1441.68	ppb	1.1400	0.1	332448
Mo 202.032	105.727	ppb	0.5033	0.5	705.301
Na 330.237	5141.82	ppb	125.669	2.4	216.170
Ni 231.604	163.077	ppb	0.8010	0.5	431.158
Pb 220.353	575.984	ppb	1.6132	0.3	953.482
Sb 206.834	55.1046	ppb	4.8066	8.7	55.9594
Se 196.026	102.362	ppb	6.5564	6.4	50.2029
Sn 189.925	316.758	ppb	4.0170	1.3	244.901
Sr 216.596	1657.41	ppb	6.6982	0.4	16192.7
Ti 334.941	1644.85	ppb	4.7855	0.3	435411
Tl 190.794	42.2180	ppb	5.7308	13.6	22.4220
V 292.401	208.474	ppb	0.6454	0.3	5862.25
Zn 206.200	301.700	ppb	1.2015	0.4	473.663

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680-88517-a-3-d (Samp) 3/26/2013, 8:48:10 PM Rack 2, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5064u	-0.3306u	0.0097
Al 308.215	69863.4	69703.3	69899.8
As 188.980	23.9547	25.3529	24.5476
B 249.678	-4.9476u	-6.4639u	-6.3965u
Ba 389.178	210.826	210.081	210.590
Be 313.042	1.1370	1.1392	1.1376
Ca 370.602	2210u	2190u	2187u
Cd 226.502	-0.5615	-0.7126	-0.4178
Co 228.615	3.4723	3.7572	4.6347
Cr 267.716	129.850	130.433	130.294
Cu 324.754	70.5917	69.9797	69.4433
Fe 271.441	121333	120970	121375
K 766.491	1463.54	1457.29	1463.65
Mg 279.078	989.802	990.842	994.635
Mn 257.610	492.609	491.380	493.515
Mo 202.032	5.1799	4.4344	5.2526
Na 330.237	-62.5540u	-163.213u	-2.3876u
Ni 231.604	23.8748	24.7688	22.2423
Pb 220.353	92.3393	93.7162	90.7959
Sb 206.834	-0.1509	-5.9397u	-2.8405
Se 196.026	-1.0731	9.7789	-5.3951u
Sn 189.925	28.1306	25.4428	24.1854
Sr 216.596	62.5834	63.9270	63.9854
Ti 334.941	1286.45	1289.13	1294.96
Tl 190.794	6.9353	3.9981u	5.5531u
V 292.401	337.519	337.635	338.138
Zn 206.200	76.5426	75.5143	77.7951

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2758	ppb	0.2624	95.1	-84.3779
Al 308.215	69822.2	ppb	104.511	0.1	406838
As 188.980	24.6184	ppb	0.7018	2.9	13.6124
B 249.678	-5.9360	ppb	0.8567	14.4	25.9229
Ba 389.178	210.499	ppb	0.3810	0.2	5353.80
Be 313.042	1.1379	ppb	0.0011	0.1	2015.00
Ca 370.602	2196	ppb	12.83	0.6	-2686
Cd 226.502	-0.5640	ppb	0.1474	26.1	286.053
Co 228.615	3.9547	ppb	0.6059	15.3	89.2027
Cr 267.716	130.192	ppb	0.3044	0.2	5714.24
Cu 324.754	70.0049	ppb	0.5746	0.8	3591.82
Fe 271.441	121226	ppb	222.898	0.2	206165
K 766.491	1461.49	ppb	3.6366	0.2	73825.2
Mg 279.078	991.759	ppb	2.5439	0.3	2084.71
Mn 257.610	492.501	ppb	1.0717	0.2	113824
Mo 202.032	4.9557	ppb	0.4529	9.1	35.9693
Na 330.237	-76.0515	ppb	81.2578	106.8	-51.1094
Ni 231.604	23.6286	ppb	1.2811	5.4	66.6397
Pb 220.353	92.2838	ppb	1.4609	1.6	154.054
Sb 206.834	-2.9770	ppb	2.8968	97.3	2.4116
Se 196.026	1.1036	ppb	7.8177	708.4	0.2285
Sn 189.925	25.9196	ppb	2.0154	7.8	18.8244
Sr 216.596	63.4986	ppb	0.7931	1.2	671.509
Ti 334.941	1290.18	ppb	4.3486	0.3	341491
Tl 190.794	5.4955	ppb	1.4694	26.7	-2.0907
V 292.401	337.764	ppb	0.3290	0.1	9515.63
Zn 206.200	76.6173	ppb	1.1422	1.5	121.771

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680-88517-a-4-d (Samp) 3/26/2013, 8:53:34 PM Rack 2, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.4325u	-1.3722u	-2.6403u
Al 308.215	63295.7	63211.3	63283.8
As 188.980	11.8757	22.5167	16.2486
B 249.678	-9.8301u	-10.9445u	-10.7644u
Ba 389.178	281.244	281.940	281.459
Be 313.042	1.4197	1.4305	1.4357
Ca 370.602	983.6u	981.5u	979.8u
Cd 226.502	-0.4774	-0.5395	-0.4380
Co 228.615	9.4266	8.7850	8.9890
Cr 267.716	89.4958	89.2732	89.8567
Cu 324.754	84.2709	84.5342	83.5074
Fe 271.441	89381.2	89356.9	89602.5
K 766.491	1561.42	1558.41	1565.72
Mg 279.078	949.978	955.373	953.418
Mn 257.610	562.847	562.336	563.139
Mo 202.032	3.7707	3.8944	3.7706
Na 330.237	121.630u	-220.276u	-23.8771u
Ni 231.604	19.0340	21.1107	21.2171
Pb 220.353	54.8922	55.0756	52.0495
Sb 206.834	-2.4071	-2.0992	-1.3743
Se 196.026	1.7307	6.4006	3.6414
Sn 189.925	14.6317	20.0461	16.8603
Sr 216.596	30.5512	31.4242	31.3725
Ti 334.941	1124.85	1124.95	1126.53
Tl 190.794	0.2166u	3.5752u	6.7297
V 292.401	234.974	235.555	235.505
Zn 206.200	73.9118	74.9147	74.8995

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1484	ppb	0.6801	31.7	-214.991
Al 308.215	63263.6	ppb	45.6769	0.1	368649
As 188.980	16.8803	ppb	5.3485	31.7	9.1365
B 249.678	-10.5130	ppb	0.5982	5.7	12.5652
Ba 389.178	281.547	ppb	0.3565	0.1	7059.81
Be 313.042	1.4286	ppb	0.0082	0.6	2589.04
Ca 370.602	981.6	ppb	1.930	0.2	-4047
Cd 226.502	-0.4850	ppb	0.0512	10.6	211.345
Co 228.615	9.0669	ppb	0.3278	3.6	145.907
Cr 267.716	89.5419	ppb	0.2945	0.3	3933.61
Cu 324.754	84.1042	ppb	0.5333	0.6	4278.29
Fe 271.441	89446.9	ppb	135.298	0.2	152121
K 766.491	1561.85	ppb	3.6738	0.2	78880.4
Mg 279.078	952.923	ppb	2.7315	0.3	1998.95
Mn 257.610	562.774	ppb	0.4061	0.1	129922
Mo 202.032	3.8119	ppb	0.0714	1.9	30.0102
Na 330.237	-40.8409	ppb	171.583	420.1	-38.4544
Ni 231.604	20.4539	ppb	1.2309	6.0	57.6794
Pb 220.353	54.0058	ppb	1.6966	3.1	91.0590
Sb 206.834	-1.9602	ppb	0.5302	27.0	2.3246
Se 196.026	3.9242	ppb	2.3478	59.8	1.4479
Sn 189.925	17.1794	ppb	2.7213	15.8	12.0309
Sr 216.596	31.1160	ppb	0.4898	1.6	344.253
Ti 334.941	1125.45	ppb	0.9412	0.1	297875
Tl 190.794	3.5072	ppb	3.2571	92.9	-2.4417
V 292.401	235.345	ppb	0.3219	0.1	6635.05
Zn 206.200	74.5753	ppb	0.5747	0.8	118.703

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680-88517-a-5-d (Samp) 3/26/2013, 8:58:59 PM Rack 2, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7284u	-1.4609u	-1.0579u
Al 308.215	96211.9	96485.5	96212.0
As 188.980	15.6118	10.5451	10.6626
B 249.678	-25.4685u	-27.7589u	-25.0182u
Ba 389.178	138.902	138.076	138.967
Be 313.042	1.0475	1.0508	1.0460
Ca 370.602	3427u	3375u	3396u
Cd 226.502	-1.5195	-1.6531	-1.5280
Co 228.615	1.8613	2.6191	1.1598
Cr 267.716	270.319	272.417	270.233
Cu 324.754	92.2374	92.0451	89.5871
Fe 271.441	278952	279571	278961
K 766.491	2161.65	2161.43	2161.92
Mg 279.078	1288.54	1289.42	1288.79
Mn 257.610	133.549	133.806	134.278
Mo 202.032	6.0764	6.3185	5.8914
Na 330.237	-14.3063u	-33.4119u	91.3977u
Ni 231.604	10.9217	11.9395	11.2156
Pb 220.353	53.2848	55.6381	59.1102
Sb 206.834	-2.2451	-1.7899	0.4956
Se 196.026	-7.3246u	3.4402	8.8605
Sn 189.925	24.7353	24.8386	24.5972
Sr 216.596	80.7863	82.0243	82.3920
Ti 334.941	1804.89	1827.00	1811.70
Tl 190.794	0.0707u	10.9141u	2.6795u
V 292.401	689.850	691.846	689.680
Zn 206.200	93.2442	94.5512	94.0972

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0824	ppb	0.3669	33.9	-141.933
Al 308.215	96303.1	ppb	157.910	0.2	561032
As 188.980	12.2732	ppb	2.8919	23.6	4.3791
B 249.678	-26.0819	ppb	1.4697	5.6	-312.487
Ba 389.178	138.648	ppb	0.4965	0.4	3819.43
Be 313.042	1.0481	ppb	0.0025	0.2	1825.71
Ca 370.602	3399	ppb	26.44	0.8	-11895
Cd 226.502	-1.5669	ppb	0.0748	4.8	634.124
Co 228.615	1.8801	ppb	0.7298	38.8	73.9962
Cr 267.716	270.989	ppb	1.2369	0.5	11891.5
Cu 324.754	91.2899	ppb	1.4778	1.6	4683.14
Fe 271.441	279161	ppb	355.105	0.1	474753
K 766.491	2161.67	ppb	0.2464	0.0	109095
Mg 279.078	1288.92	ppb	0.4519	0.0	2729.77
Mn 257.610	133.878	ppb	0.3699	0.3	31659.4
Mo 202.032	6.0954	ppb	0.2142	3.5	35.7022
Na 330.237	14.5597	ppb	67.2257	461.7	-98.1017
Ni 231.604	11.3589	ppb	0.5239	4.6	37.8136
Pb 220.353	56.0110	ppb	2.9305	5.2	93.3056
Sb 206.834	-1.1798	ppb	1.4687	124.5	8.7271
Se 196.026	1.6587	ppb	8.2383	496.7	1.3315
Sn 189.925	24.7237	ppb	0.1211	0.5	17.8920
Sr 216.596	81.7342	ppb	0.8412	1.0	907.798
Ti 334.941	1814.53	ppb	11.3264	0.6	480326
Tl 190.794	4.5548	ppb	5.6597	124.3	-7.8127
V 292.401	690.459	ppb	1.2048	0.2	19435.0
Zn 206.200	93.9642	ppb	0.6636	0.7	148.462

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680-88517-a-6-d (Samp) 3/26/2013, 9:04:25 PM Rack 2, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6219u	-1.3675u	-0.0907u
Al 308.215	18097.6	18171.7	18150.2
As 188.980	155.939	155.539	151.126
B 249.678	5.7053u	6.9028	5.7396u
Ba 389.178	449.839	451.584	450.677
Be 313.042	1.8135	1.8283	1.8226
Ca 370.602	8827	8885	8866
Cd 226.502	0.4813	0.3126	0.7151
Co 228.615	17.4385	17.1519	17.8816
Cr 267.716	41.3043	41.5386	41.3837
Cu 324.754	264.113	267.612	265.266
Fe 271.441	57642.9	57890.2	57855.9
K 766.491	2321.95	2335.81	2334.53
Mg 279.078	1914.78	1931.17	1932.53
Mn 257.610	457.646	459.416	458.973
Mo 202.032	7.6706	7.6728	7.2611
Na 330.237	121.822u	180.488u	-8.4517u
Ni 231.604	40.8426	42.2143	41.3285
Pb 220.353	377.891	375.464	378.773
Sb 206.834	15.4331	21.4215	14.7105
Se 196.026	3.6992	10.9892	5.9078
Sn 189.925	73.4173	80.5235	79.6453
Sr 216.596	240.027	240.426	241.125
Ti 334.941	927.253	932.890	934.700
Tl 190.794	0.7785u	4.9740	2.0512u
V 292.401	71.7160	72.0732	71.9786
Zn 206.200	196.222	199.855	196.496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6934	ppb	0.6414	92.5	-123.052
Al 308.215	18139.8	ppb	38.1726	0.2	105894
As 188.980	154.201	ppb	2.6710	1.7	94.5029
B 249.678	6.1159	ppb	0.6817	11.1	199.239
Ba 389.178	450.700	ppb	0.8725	0.2	11191.1
Be 313.042	1.8215	ppb	0.0074	0.4	3364.37
Ca 370.602	8859	ppb	29.46	0.3	24547
Cd 226.502	0.5030	ppb	0.2021	40.2	171.214
Co 228.615	17.4907	ppb	0.3676	2.1	240.410
Cr 267.716	41.4089	ppb	0.1192	0.3	1825.78
Cu 324.754	265.664	ppb	1.7832	0.7	13217.1
Fe 271.441	57796.3	ppb	133.980	0.2	98296.0
K 766.491	2330.76	ppb	7.6569	0.3	117613
Mg 279.078	1926.16	ppb	9.8774	0.5	4035.79
Mn 257.610	458.679	ppb	0.9209	0.2	105867
Mo 202.032	7.5348	ppb	0.2371	3.1	56.4449
Na 330.237	97.9528	ppb	96.7050	98.7	-21.1892
Ni 231.604	41.4618	ppb	0.6955	1.7	111.953
Pb 220.353	377.376	ppb	1.7135	0.5	625.996
Sb 206.834	17.1884	ppb	3.6838	21.4	19.0419
Se 196.026	6.8654	ppb	3.7381	54.4	2.6846
Sn 189.925	77.8620	ppb	3.8742	5.0	59.2029
Sr 216.596	240.526	ppb	0.5562	0.2	2372.91
Ti 334.941	931.614	ppb	3.8839	0.4	246559
Tl 190.794	2.6012	ppb	2.1512	82.7	-1.9005
V 292.401	71.9226	ppb	0.1851	0.3	2038.06
Zn 206.200	197.525	ppb	2.0233	1.0	311.141

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88517-a-7-d (Samp) 3/26/2013, 9:09:51 PM Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3577u	-1.5026u	-0.6083u
Al 308.215	103577	103472	98711.5
As 188.980	37.2452	42.0091	39.6625
B 249.678	-14.1417u	-14.1934u	-14.1266u
Ba 389.178	174.807	175.393	167.408
Be 313.042	1.1048	1.1023	1.0366
Ca 370.602	3374	3367	3338
Cd 226.502	0.0387	-0.1181	-0.5348
Co 228.615	5.7486	5.2053	5.0438
Cr 267.716	128.621	128.971	122.037
Cu 324.754	67.6316	67.0165	66.3677
Fe 271.441	105727	105529	100359
K 766.491	1200.87	1196.54	1159.30
Mg 279.078	1251.79	1255.40	1201.22
Mn 257.610	201.236	200.832	191.318
Mo 202.032	8.1477	8.3741	8.4195
Na 330.237	-117.677u	64.6188u	-69.7269u
Ni 231.604	23.4184	23.4459	21.6782
Pb 220.353	133.669	134.671	123.939
Sb 206.834	5.4979	0.4463	-3.0820
Se 196.026	-0.3646	1.0751	6.8549
Sn 189.925	25.3779	32.9347	31.5194
Sr 216.596	90.4293	90.6177	86.9768
Ti 334.941	923.113	925.875	872.649
Tl 190.794	0.7256u	-3.5752u	0.5984u
V 292.401	286.474	285.243	272.301
Zn 206.200	142.550	142.716	135.433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8229	ppb	0.6019	73.1	-125.393
Al 308.215	101920	ppb	2779.31	2.7	593749
As 188.980	39.6389	ppb	2.3820	6.0	23.0929
B 249.678	-14.1539	ppb	0.0351	0.2	-35.3472
Ba 389.178	172.536	ppb	4.4510	2.6	4390.82
Be 313.042	1.0812	ppb	0.0386	3.6	1909.40
Ca 370.602	3360	ppb	19.42	0.6	2529
Cd 226.502	-0.2047	ppb	0.2964	144.8	257.127
Co 228.615	5.3325	ppb	0.3692	6.9	95.6216
Cr 267.716	126.543	ppb	3.9064	3.1	5550.16
Cu 324.754	67.0053	ppb	0.6321	0.9	3439.61
Fe 271.441	103872	ppb	3043.68	2.9	176652
K 766.491	1185.57	ppb	22.8498	1.9	59926.2
Mg 279.078	1236.14	ppb	30.2921	2.5	2585.90
Mn 257.610	197.795	ppb	5.6134	2.8	45903.2
Mo 202.032	8.3138	ppb	0.1456	1.8	59.1463
Na 330.237	-40.9286	ppb	94.4986	230.9	-41.5549
Ni 231.604	22.8475	ppb	1.0128	4.4	64.2510
Pb 220.353	130.760	ppb	5.9278	4.5	217.155
Sb 206.834	0.9541	ppb	4.3124	452.0	5.6424
Se 196.026	2.5218	ppb	3.8210	151.5	0.7527
Sn 189.925	29.9440	ppb	4.0171	13.4	21.9534
Sr 216.596	89.3413	ppb	2.0498	2.3	916.858
Ti 334.941	907.212	ppb	29.9640	3.3	240105
Tl 190.794	-0.7504	ppb	2.4472	326.1	-5.4944
V 292.401	281.340	ppb	7.8516	2.8	7921.65
Zn 206.200	140.233	ppb	4.1576	3.0	221.274

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88518-a-9-d (Samp) 3/26/2013, 9:15:17 PM Rack 2, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.3675u	-0.7799u	-2.0169u
Al 308.215	54641.8	54664.9	54767.1
As 188.980	15.2098	23.0304	16.2284
B 249.678	-21.2283u	-20.2970u	-20.0855u
Ba 389.178	188.581	187.121	188.586
Be 313.042	1.1353	1.1406	1.1418
Ca 370.602	7879	7869	7897
Cd 226.502	-0.7455	-0.8609	-0.6217
Co 228.615	14.0400	12.1868	12.5490
Cr 267.716	105.121	105.230	105.497
Cu 324.754	96.8305	98.0362	97.9068
Fe 271.441	98269.4	98187.2	98392.9
K 766.491	15502.9	15520.5	15596.9
Mg 279.078	13640.3	13632.0	13655.5
Mn 257.610	1193.59	1192.96	1195.67
Mo 202.032	3.3943	4.6234	4.6642
Na 330.237	106.599u	-287.968u	-77.9170u
Ni 231.604	32.0526	31.9639	29.9478
Pb 220.353	35.4965	38.1720	37.9453
Sb 206.834	6.1357	7.0869	5.1015
Se 196.026	2.6040	-1.0694	0.5391
Sn 189.925	20.7633	22.4772	18.9184
Sr 216.596	44.7490	44.7960	43.8485
Ti 334.941	3228.26	3231.35	3236.24
Tl 190.794	8.8451	12.2004	14.2369
V 292.401	237.530	238.650	238.565
Zn 206.200	173.679	175.540	175.418

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7214	ppb	0.8340	48.4	-183.042
Al 308.215	54691.2	ppb	66.6685	0.1	318732
As 188.980	18.1562	ppb	4.2518	23.4	9.8944
B 249.678	-20.5369	ppb	0.6080	3.0	-90.3340
Ba 389.178	188.096	ppb	0.8441	0.4	4801.13
Be 313.042	1.1392	ppb	0.0034	0.3	2020.92
Ca 370.602	7882	ppb	14.29	0.2	18394
Cd 226.502	-0.7427	ppb	0.1196	16.1	223.417
Co 228.615	12.9253	ppb	0.9822	7.6	247.861
Cr 267.716	105.282	ppb	0.1934	0.2	4628.79
Cu 324.754	97.5912	ppb	0.6619	0.7	4945.40
Fe 271.441	98283.2	ppb	103.539	0.1	167150
K 766.491	15540.1	ppb	49.9503	0.3	783004
Mg 279.078	13642.6	ppb	11.9416	0.1	28429.3
Mn 257.610	1194.08	ppb	1.4200	0.1	275415
Mo 202.032	4.2273	ppb	0.7217	17.1	32.3553
Na 330.237	-86.4286	ppb	197.421	228.4	-60.9630
Ni 231.604	31.3214	ppb	1.1904	3.8	86.2805
Pb 220.353	37.2046	ppb	1.4836	4.0	62.4447
Sb 206.834	6.1081	ppb	0.9930	16.3	10.1805
Se 196.026	0.6912	ppb	1.8414	266.4	0.0644
Sn 189.925	20.7196	ppb	1.7798	8.6	14.7851
Sr 216.596	44.4645	ppb	0.5340	1.2	478.021
Ti 334.941	3231.95	ppb	4.0212	0.1	855606
Tl 190.794	11.7608	ppb	2.7226	23.1	2.2875
V 292.401	238.248	ppb	0.6236	0.3	6750.72
Zn 206.200	174.879	ppb	1.0497	0.6	275.526

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680-88518-a-10-d (Samp) 3/26/2013, 9:20:43 PM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2071u	0.0003	-1.5974u
Al 308.215	29395.8	29374.6	29388.1
As 188.980	11.4587	17.9756	5.3455
B 249.678	-19.4329u	-19.7682u	-19.6208u
Ba 389.178	23.1377	22.1856	22.3507
Be 313.042	0.5537	0.5507	0.5477
Ca 370.602	3261	3261	3266
Cd 226.502	-0.2901	-0.1874	-0.3125
Co 228.615	2.2718	2.0795	1.5928
Cr 267.716	64.1048	63.8735	63.5533
Cu 324.754	25.7557	24.1787	25.4029
Fe 271.441	69247.2	69079.1	69099.0
K 766.491	409.989	410.283	411.810
Mg 279.078	305.543	302.882	299.968
Mn 257.610	99.5637	99.4300	99.5684
Mo 202.032	8.0241	7.8868	7.6989
Na 330.237	-76.4587u	-48.4219u	-155.292u
Ni 231.604	2.5063	3.9657	4.8362
Pb 220.353	27.7999	30.2057	28.5302
Sb 206.834	4.6077	-5.5106u	-4.3651u
Se 196.026	6.5796	-2.2102u	-4.9641u
Sn 189.925	17.8260	16.8844	17.7335
Sr 216.596	14.6359	13.6726	14.5014
Ti 334.941	658.117	655.736	656.118
Tl 190.794	6.3287	2.1587u	5.3594
V 292.401	329.716	328.655	329.934
Zn 206.200	18.8704	22.4063	18.4259

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9347	ppb	0.8330	89.1	-130.425
Al 308.215	29386.2	ppb	10.7451	0.0	171378
As 188.980	11.5933	ppb	6.3161	54.5	6.0891
B 249.678	-19.6073	ppb	0.1681	0.9	-54.2233
Ba 389.178	22.5580	ppb	0.5088	2.3	632.819
Be 313.042	0.5507	ppb	0.0030	0.6	859.703
Ca 370.602	3263	ppb	3.038	0.1	5077
Cd 226.502	-0.2633	ppb	0.0667	25.3	170.065
Co 228.615	1.9814	ppb	0.3499	17.7	50.4938
Cr 267.716	63.8438	ppb	0.2769	0.4	2803.60
Cu 324.754	25.1124	ppb	0.8277	3.3	1364.76
Fe 271.441	69141.8	ppb	91.8536	0.1	117589
K 766.491	410.694	ppb	0.9775	0.2	20893.6
Mg 279.078	302.798	ppb	2.7884	0.9	658.234
Mn 257.610	99.5207	ppb	0.0786	0.1	23169.5
Mo 202.032	7.8699	ppb	0.1633	2.1	57.7068
Na 330.237	-93.3910	ppb	55.4107	59.3	-30.9439
Ni 231.604	3.7694	ppb	1.1773	31.2	13.6131
Pb 220.353	28.8452	ppb	1.2335	4.3	50.2749
Sb 206.834	-1.7560	ppb	5.5408	315.5	1.7919
Se 196.026	-0.1982	ppb	6.0291	3041.2	-0.8107
Sn 189.925	17.4813	ppb	0.5190	3.0	12.2669
Sr 216.596	14.2700	ppb	0.5216	3.7	172.969
Ti 334.941	656.657	ppb	1.2787	0.2	173762
Tl 190.794	4.6156	ppb	2.1822	47.3	-0.4727
V 292.401	329.435	ppb	0.6839	0.2	9274.81
Zn 206.200	19.9009	ppb	2.1811	11.0	33.2729

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Verif (CCV) 3/26/2013, 9:26:09 PM Rack 2, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	506.940	507.126	504.292
Al 308.215	4997.37	5005.37	4983.25
As 188.980	471.585	478.675	483.621
B 249.678	2497.75	2525.33	2528.96
Ba 389.178	4978.56	4991.30	4968.01
Be 313.042	493.009	495.072	492.129
Ca 370.602	4939	4942	4923
Cd 226.502	486.554	487.710	485.077
Co 228.615	499.590	500.953	496.365
Cr 267.716	4788.77	4803.96	4773.54
Cu 324.754	5020.14	4901.10	4883.49
Fe 271.441	4979.78	4993.71	4975.39
K 766.491	9839.38	10097.9	9868.11
Mg 279.078	4913.97	4926.55	4894.72
Mn 257.610	4958.49	4982.94	4952.23
Mo 202.032	481.294	484.378	479.695
Na 330.237	7227.71	7210.03	7350.57
Ni 231.604	2485.08	2491.89	2472.76
Pb 220.353	481.433	484.728	487.483
Sb 206.834	925.130	925.076	928.934
Se 196.026	4885.76	4933.72	4876.41
Sn 189.925	4983.01	5001.66	4965.04
Sr 216.596	2433.95	2442.93	2430.71
Ti 334.941	485.870	487.084	484.781
Tl 190.794	4900.25	4925.57	4879.25
V 292.401	4957.78	4977.68	4942.58
Zn 206.200	2458.34	2464.07	2458.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	506.119	ppb	1.5853	0.3	35488.2	101.22383
Al 308.215	4995.33	ppb	11.2039	0.2	29329.6	99.90663
As 188.980	477.960	ppb	6.0497	1.3	295.233	95.59205
B 249.678	2517.35	ppb	17.0722	0.7	23954.2	100.69389
Ba 389.178	4979.29	ppb	11.6591	0.2	122951	99.58581
Be 313.042	493.403	ppb	1.5102	0.3	968058	98.68065
Ca 370.602	4935	ppb	10.21	0.2	16132	98.69650
Cd 226.502	486.447	ppb	1.3195	0.3	18310.0	97.28937
Co 228.615	498.969	ppb	2.3559	0.5	5883.11	99.79385
Cr 267.716	4788.76	ppb	15.2112	0.3	209037	95.77518
Cu 324.754	4934.91	ppb	74.3333	1.5	243243	98.69821
Fe 271.441	4982.96	ppb	9.5666	0.2	8599.83	99.65924
K 766.491	9935.12	ppb	141.685	1.4	500665	99.35124
Mg 279.078	4911.75	ppb	16.0304	0.3	10179.0	98.23497
Mn 257.610	4964.55	ppb	16.2305	0.3	1143506	99.29105
Mo 202.032	481.789	ppb	2.3806	0.5	3197.67	96.35780
Na 330.237	7262.77	ppb	76.5486	1.1	351.028	96.83692
Ni 231.604	2483.24	ppb	9.6978	0.4	6496.92	99.32977
Pb 220.353	484.548	ppb	3.0289	0.6	803.644	96.90965
Sb 206.834	926.380	ppb	2.2121	0.2	908.551	92.63802
Se 196.026	4898.63	ppb	30.7449	0.6	2408.79	97.97260
Sn 189.925	4983.23	ppb	18.3121	0.4	3872.12	99.66470
Sr 216.596	2435.86	ppb	6.3314	0.3	23686.8	97.43447
Ti 334.941	485.911	ppb	1.1520	0.2	128569	97.18230
Tl 190.794	4901.69	ppb	23.1950	0.5	3362.47	98.03383
V 292.401	4959.34	ppb	17.6057	0.4	139096	99.18690
Zn 206.200	2460.17	ppb	3.3899	0.1	3835.09	98.40694

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Blank (CCB) 3/26/2013, 9:31:33 PM Rack 2, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5516u	0.7769	-0.3823u
Al 308.215	-4.1334u	-1.6259u	-2.6645u
As 188.980	-3.2923u	-3.4488u	1.0671
B 249.678	42.6376	36.5435	32.7502
Ba 389.178	-0.0398u	0.3517	-0.4927u
Be 313.042	-0.0125u	-0.0178u	-0.0131u
Ca 370.602	-3.065u	-1.043u	5.152
Cd 226.502	-0.0481u	0.0545	-0.2367u
Co 228.615	0.1571	0.6132	-0.1304u
Cr 267.716	0.0478	-0.2048u	-0.1252u
Cu 324.754	0.0895	-0.8353u	0.4602
Fe 271.441	5.6657	5.5119	-9.9868u
K 766.491	-0.0970u	-0.2701u	-0.0836u
Mg 279.078	3.5460	-1.0781u	-0.9722u
Mn 257.610	-0.0124u	-0.0441u	-0.0757u
Mo 202.032	-0.1585u	0.3499	-0.0789u
Na 330.237	124.802	251.518	37.1719
Ni 231.604	0.2370	-0.3851u	-0.0984u
Pb 220.353	-2.0164u	-0.7085u	-2.0269u
Sb 206.834	3.8973	10.7742	0.9210
Se 196.026	-0.8391u	11.2592	3.0126
Sn 189.925	0.0188	2.3480	1.6359
Sr 216.596	0.0744	0.5527	-0.1771u
Ti 334.941	0.2963	0.1861	0.1152
Tl 190.794	3.0535	2.8297	-3.0487u
V 292.401	0.0674	0.2468	0.3448
Zn 206.200	-0.0271u	-0.8525u	-0.3288u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3857	ppb	1.1643	301.9	-93.3547	-0.38567
Al 308.215	-2.8079	ppb	1.2599	44.9	249.066	-2.80795
As 188.980	-1.8913	ppb	2.5633	135.5	-1.5797	-1.89134
B 249.678	37.3104	ppb	4.9882	13.4	547.956	37.31043
Ba 389.178	-0.0603	ppb	0.4226	701.0	-31.5151	-0.06028
Be 313.042	-0.0144	ppb	0.0029	20.1	-239.010	-0.01444
Ca 370.602	0.3483	ppb	4.282	1229.5	-4.807	0.34825
Cd 226.502	-0.0768	ppb	0.1477	192.4	8.2046	-0.07678
Co 228.615	0.2133	ppb	0.3750	175.8	14.3826	0.21330
Cr 267.716	-0.0941	ppb	0.1292	137.3	-1.4524	-0.09409
Cu 324.754	-0.0952	ppb	0.6672	700.7	105.578	-0.09521
Fe 271.441	0.3969	ppb	8.9929	2265.7	4.3133	0.39692
K 766.491	-0.1502	ppb	0.1040	69.2	198.247	-0.15023
Mg 279.078	0.4986	ppb	2.6397	529.5	26.3765	0.49857
Mn 257.610	-0.0441	ppb	0.0316	71.7	48.5684	-0.04409
Mo 202.032	0.0375	ppb	0.2735	728.9	9.4596	0.03752
Na 330.237	137.831	ppb	107.765	78.2	7.1072	137.83073
Ni 231.604	-0.0822	ppb	0.3114	378.9	2.1049	-0.08219
Pb 220.353	-1.5839	ppb	0.7582	47.9	0.9038	-1.58392
Sb 206.834	5.1975	ppb	5.0537	97.2	6.3109	5.19751
Se 196.026	4.4776	ppb	6.1808	138.0	1.0622	4.47756
Sn 189.925	1.3342	ppb	1.1935	89.5	-0.2838	1.33423
Sr 216.596	0.1500	ppb	0.3707	247.1	9.8668	0.15004
Ti 334.941	0.1992	ppb	0.0912	45.8	-39.1880	0.19921
Tl 190.794	0.9448	ppb	3.4603	366.2	-0.5740	0.94483
V 292.401	0.2197	ppb	0.1407	64.0	10.0865	0.21966
Zn 206.200	-0.4028	ppb	0.4176	103.7	89.1716	-0.40282

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680-88518-a-11-d (Samp) 3/26/2013, 9:36:58 PM Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9871u	-1.0862u	-1.8736u
Al 308.215	163196	162951	162275
As 188.980	17.1276	17.9277	14.0783
B 249.678	17.3380	16.0519u	15.9125u
Ba 389.178	227.111	226.190	226.106
Be 313.042	1.8019	1.7843	1.7931
Ca 370.602	5596	5588	5571
Cd 226.502	-0.7549	-0.6218	-0.4505
Co 228.615	7.1537	6.2757	7.3617
Cr 267.716	153.298	152.391	151.880
Cu 324.754	56.8111	56.0147	57.2231
Fe 271.441	169382	168483	168175
K 766.491	4818.76	4789.81	4801.88
Mg 279.078	3495.36	3474.09	3472.82
Mn 257.610	238.520	237.375	237.146
Mo 202.032	4.4796	5.2785	5.3136
Na 330.237	159.184u	193.977u	373.833u
Ni 231.604	36.2124	36.2072	36.2487
Pb 220.353	94.1171	92.1417	93.9351
Sb 206.834	2.2906	-2.9289	0.2158
Se 196.026	10.4481	4.5721	-0.0819
Sn 189.925	17.4093	20.4619	17.4421
Sr 216.596	41.7530	40.6101	41.3366
Ti 334.941	1744.48	1735.21	1737.25
Tl 190.794	4.0419u	4.5440u	12.2139
V 292.401	495.820	493.805	494.404
Zn 206.200	102.127	101.845	102.480

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6489	ppb	0.4907	29.8	-180.062
Al 308.215	162807	ppb	477.280	0.3	948293
As 188.980	16.3779	ppb	2.0313	12.4	8.0598
B 249.678	16.4341	ppb	0.7859	4.8	192.599
Ba 389.178	226.469	ppb	0.5578	0.2	5826.88
Be 313.042	1.7931	ppb	0.0088	0.5	3304.76
Ca 370.602	5585	ppb	12.58	0.2	4590
Cd 226.502	-0.6091	ppb	0.1526	25.1	400.187
Co 228.615	6.9303	ppb	0.5764	8.3	134.929
Cr 267.716	152.523	ppb	0.7179	0.5	6698.56
Cu 324.754	56.6830	ppb	0.6143	1.1	2947.64
Fe 271.441	168680	ppb	626.910	0.4	286867
K 766.491	4803.49	ppb	14.5394	0.3	242171
Mg 279.078	3480.76	ppb	12.6634	0.4	7255.02
Mn 257.610	237.680	ppb	0.7361	0.3	55278.0
Mo 202.032	5.0239	ppb	0.4717	9.4	33.9832
Na 330.237	242.331	ppb	115.205	47.5	-52.7157
Ni 231.604	36.2228	ppb	0.0226	0.1	100.589
Pb 220.353	93.3980	ppb	1.0917	1.2	153.902
Sb 206.834	-0.1408	ppb	2.6280	1865.9	6.2761
Se 196.026	4.9794	ppb	5.2768	106.0	2.3474
Sn 189.925	18.4378	ppb	1.7530	9.5	13.0092
Sr 216.596	41.2332	ppb	0.5784	1.4	472.237
Ti 334.941	1738.98	ppb	4.8692	0.3	460326
Tl 190.794	6.9333	ppb	4.5801	66.1	-2.4597
V 292.401	494.676	ppb	1.0349	0.2	13934.4
Zn 206.200	102.151	ppb	0.3178	0.3	161.633

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680-88518-a-12-d (Samp) **3/26/2013, 9:42:23 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.3929u	-0.9281u	-1.8098u
Al 308.215	43374.5	43375.2	43369.0
As 188.980	9.3916	8.6962	5.5957
B 249.678	-11.7334u	-10.1432u	-11.0755u
Ba 389.178	47.5308	47.4904	47.6108
Be 313.042	0.5101	0.5194	0.5111
Ca 370.602	6564	6560	6563
Cd 226.502	-0.6479	-0.3722	-0.3029
Co 228.615	2.2638	2.2611	2.0905
Cr 267.716	74.0674	73.3814	74.0014
Cu 324.754	24.0092	23.8245	24.8428
Fe 271.441	88148.6	88134.3	88240.7
K 766.491	1186.12	1189.74	1190.70
Mg 279.078	793.040	790.712	787.623
Mn 257.610	222.668	222.214	222.409
Mo 202.032	10.0910	9.1624	9.7739
Na 330.237	187.294u	71.3859u	122.716u
Ni 231.604	5.9075	6.7784	6.4991
Pb 220.353	97.0112	98.3374	98.0734
Sb 206.834	-0.5555	-0.8958	3.7700
Se 196.026	-1.2359u	-3.4203u	10.0959
Sn 189.925	18.7254	22.1581	21.0819
Sr 216.596	39.5960	39.5630	40.3860
Ti 334.941	571.437	569.728	572.721
Tl 190.794	0.5015u	5.0824	0.0291u
V 292.401	264.785	264.500	265.267
Zn 206.200	31.4509	32.1121	30.5542

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3769	ppb	0.4411	32.0	-162.468
Al 308.215	43372.9	ppb	3.3969	0.0	252825
As 188.980	7.8945	ppb	2.0209	25.6	3.6346
B 249.678	-10.9840	ppb	0.7990	7.3	9.3375
Ba 389.178	47.5440	ppb	0.0613	0.1	1279.63
Be 313.042	0.5136	ppb	0.0051	1.0	791.001
Ca 370.602	6562	ppb	2.128	0.0	14347
Cd 226.502	-0.4410	ppb	0.1825	41.4	209.823
Co 228.615	2.2052	ppb	0.0993	4.5	50.1410
Cr 267.716	73.8167	ppb	0.3785	0.5	3244.08
Cu 324.754	24.2255	ppb	0.5425	2.2	1327.27
Fe 271.441	88174.5	ppb	57.7499	0.1	149956
K 766.491	1188.85	ppb	2.4142	0.2	60091.7
Mg 279.078	790.458	ppb	2.7174	0.3	1671.48
Mn 257.610	222.431	ppb	0.2278	0.1	51531.9
Mo 202.032	9.6758	ppb	0.4720	4.9	68.9327
Na 330.237	127.132	ppb	58.0801	45.7	-24.6745
Ni 231.604	6.3950	ppb	0.4447	7.0	20.8766
Pb 220.353	97.8073	ppb	0.7020	0.7	163.982
Sb 206.834	0.7729	ppb	2.6011	336.5	4.6257
Se 196.026	1.8132	ppb	7.2557	400.1	0.3189
Sn 189.925	20.6551	ppb	1.7557	8.5	14.7349
Sr 216.596	39.8483	ppb	0.4660	1.2	429.383
Ti 334.941	571.295	ppb	1.5013	0.3	151168
Tl 190.794	1.8710	ppb	2.7911	149.2	-3.1727
V 292.401	264.851	ppb	0.3879	0.1	7455.77
Zn 206.200	31.3724	ppb	0.7819	2.5	511818

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680-88518-a-13-d (Samp) **3/26/2013, 9:47:48 PM** **Rack 2, Tube 17****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0569	-0.4750u	-0.7431u
Al 308.215	82626.3	105838	92260.0
As 188.980	15.4028	12.6914	10.0465
B 249.678	-10.1588u	-12.8178u	-11.7235u
Ba 389.178	168.459	221.548	188.424
Be 313.042	1.5174	1.9814	1.6932
Ca 370.602	5392	5842	5555
Cd 226.502	-1.7634	0.5015	-0.8036
Co 228.615	3.0802	4.6556	4.5230
Cr 267.716	151.341	198.419	168.162
Cu 324.754	49.2630	63.0095	52.0531
Fe 271.441	130439	171007	145434
K 766.491	2635.01	3225.67	2834.87
Mg 279.078	1568.12	2042.68	1740.51
Mn 257.610	117.575	153.617	131.530
Mo 202.032	3.4601	5.1923	3.9246
Na 330.237	119.104u	-83.9869u	289.556u
Ni 231.604	16.7241	24.2182	21.8383
Pb 220.353	47.7402	60.8958	52.0605
Sb 206.834	-0.3773	-0.8263	-1.6316
Se 196.026	9.2980	4.6421	5.6383
Sn 189.925	17.2681	21.3470	20.6493
Sr 216.596	26.8074	35.8087	30.4171
Ti 334.941	897.135	1183.22	1004.77
Tl 190.794	1.3469u	8.3730	8.6919
V 292.401	307.337	401.805	342.121
Zn 206.200	61.4775	78.8444	67.0386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3871	ppb	0.4072	105.2	-92.3447
Al 308.215	93574.8	ppb	11661.6	12.5	545151
As 188.980	12.7136	ppb	2.6782	21.1	5.9933
B 249.678	-11.5667	ppb	1.3364	11.6	-53.1822
Ba 389.178	192.810	ppb	26.8150	13.9	4960.96
Be 313.042	1.7307	ppb	0.2343	13.5	3181.35
Ca 370.602	5596	ppb	227.9	4.1	6144
Cd 226.502	-0.6885	ppb	1.1368	165.1	348.922
Co 228.615	4.0862	ppb	0.8738	21.4	83.1250
Cr 267.716	172.640	ppb	23.8565	13.8	7571.56
Cu 324.754	54.7752	ppb	7.2663	13.3	2849.29
Fe 271.441	148960	ppb	20512.3	13.8	253330
K 766.491	2898.52	ppb	300.425	10.4	146212
Mg 279.078	1783.77	ppb	240.219	13.5	3738.24
Mn 257.610	134.240	ppb	18.1734	13.5	31391.2
Mo 202.032	4.1923	ppb	0.8966	21.4	29.6175
Na 330.237	108.224	ppb	187.009	172.8	-47.8218
Ni 231.604	20.9269	ppb	3.8293	18.3	60.1522
Pb 220.353	53.5655	ppb	6.7057	12.5	89.7425
Sb 206.834	-0.9450	ppb	0.6355	67.2	5.3073
Se 196.026	6.5262	ppb	2.4516	37.6	2.9677
Sn 189.925	19.7548	ppb	2.1816	11.0	14.0334
Sr 216.596	31.0111	ppb	4.5299	14.6	365.604
Ti 334.941	1028.37	ppb	144.495	14.1	272187
Tl 190.794	6.1373	ppb	4.1516	67.6	-2.2589
V 292.401	350.421	ppb	47.7777	13.6	9864.64
Zn 206.200	69.1202	ppb	8.8686	12.8	109.910

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680-88518-a-14-e (Samp) 3/26/2013, 9:53:23 PM Rack 2, Tube 18
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6392u	-1.4973u	-0.7398u
Al 308.215	61827.2	61661.1	61544.3
As 188.980	2.5504u	6.5246	12.4551
B 249.678	-31.5423u	-30.4972u	-32.1932u
Ba 389.178	124.102	122.142	121.346
Be 313.042	2.6528	2.6509	2.6318
Ca 370.602	2552u	2554u	2598u
Cd 226.502	-1.4393	-1.9271	-1.5692
Co 228.615	5.6752	5.7375	4.9250
Cr 267.716	189.312	188.698	187.217
Cu 324.754	79.3134	78.0490	79.1059
Fe 271.441	295603	294707	294058
K 766.491	1923.27	1925.06	1927.30
Mg 279.078	2684.54	2677.93	2680.22
Mn 257.610	234.377	233.500	232.697
Mo 202.032	1.6498u	1.8018u	1.3550u
Na 330.237	300.011u	467.636u	241.037u
Ni 231.604	11.0865	10.5211	12.7093
Pb 220.353	68.9638	72.8314	73.5392
Sb 206.834	6.2152	-3.9292	-5.6069
Se 196.026	9.3956	-6.4124u	-0.0489
Sn 189.925	21.7349	18.8157	19.0913
Sr 216.596	15.2696	16.6175	15.1297
Ti 334.941	1617.22	1616.41	1606.43
Tl 190.794	8.3657u	10.1616u	8.8747u
V 292.401	834.171	833.042	831.142
Zn 206.200	52.7641	53.3751	52.6916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9588	ppb	0.4691	48.9	-129.432
Al 308.215	61677.6	ppb	142.149	0.2	359402
As 188.980	7.1767	ppb	4.9844	69.5	1.0623
B 249.678	-31.4109	ppb	0.8556	2.7	-377.336
Ba 389.178	122.530	ppb	1.4187	1.2	3449.01
Be 313.042	2.6451	ppb	0.0116	0.4	4951.86
Ca 370.602	2568	ppb	26.39	1.0	-15972
Cd 226.502	-1.6452	ppb	0.2526	15.4	669.043
Co 228.615	5.4459	ppb	0.4522	8.3	110.148
Cr 267.716	188.409	ppb	1.0770	0.6	8288.13
Cu 324.754	78.8228	ppb	0.6780	0.9	4071.81
Fe 271.441	294790	ppb	775.685	0.3	501332
K 766.491	1925.21	ppb	2.0182	0.1	97183.9
Mg 279.078	2680.90	ppb	3.3530	0.1	5641.04
Mn 257.610	233.525	ppb	0.8400	0.4	54659.4
Mo 202.032	1.6022	ppb	0.2272	14.2	4.9294
Na 330.237	336.228	ppb	117.561	35.0	-84.3411
Ni 231.604	11.4390	ppb	1.1359	9.9	38.3291
Pb 220.353	71.7781	ppb	2.4628	3.4	120.100
Sb 206.834	-1.1070	ppb	6.3964	577.8	8.4379
Se 196.026	0.9781	ppb	7.9539	813.2	1.1112
Sn 189.925	19.8806	ppb	1.6117	8.1	14.1270
Sr 216.596	15.6723	ppb	0.8216	5.2	270.018
Ti 334.941	1613.35	ppb	6.0052	0.4	427073
Tl 190.794	9.1340	ppb	0.9256	10.1	-5.2604
V 292.401	832.785	ppb	1.5307	0.2	23441.4
Zn 206.200	52.9436	ppb	0.3755	0.7	845587

680-88518-a-19-d (Samp) 3/26/2013, 10:20:30 PM Rack 2, Tube 23
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5723u	-0.8394u	-1.2451u
Al 308.215	128663	128788	128923
As 188.980	40.0744	48.7763	37.9940
B 249.678	-5.8315u	-4.4111u	-5.0753u
Ba 389.178	364.897	364.933	365.761
Be 313.042	3.5182	3.5186	3.5130
Ca 370.602	7364	7374	7378
Cd 226.502	-0.6676	-0.6104	-0.6093
Co 228.615	16.8827	16.2474	16.8117
Cr 267.716	154.507	154.337	154.015
Cu 324.754	58.7488	58.3423	58.3660
Fe 271.441	161282	161433	161585
K 766.491	4338.21	4351.22	4334.50
Mg 279.078	2097.16	2100.59	2109.60
Mn 257.610	1147.41	1147.59	1149.39
Mo 202.032	6.0437	5.8166	4.8587
Na 330.237	64.4493u	-127.913u	221.213u
Ni 231.604	49.7178	51.1674	53.2045
Pb 220.353	78.9795	82.5271	80.4291
Sb 206.834	1.2471	6.3828	7.4439
Se 196.026	-5.4981u	-10.2078u	2.6796
Sn 189.925	20.5449	19.8899	22.1292
Sr 216.596	31.0258	30.2098	30.3154
Ti 334.941	1563.88	1559.74	1560.26
Tl 190.794	9.1771u	6.2953u	9.0056u
V 292.401	347.081	348.209	347.188
Zn 206.200	135.008	134.932	137.941

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2189	ppb	0.3672	30.1	-146.392
Al 308.215	128791	ppb	129.755	0.1	750220
As 188.980	42.2816	ppb	5.7200	13.5	24.1797
B 249.678	-5.1060	ppb	0.7107	13.9	-3.8515
Ba 389.178	365.197	ppb	0.4891	0.1	9237.03
Be 313.042	3.5166	ppb	0.0031	0.1	6690.45
Ca 370.602	7372	ppb	7.018	0.1	11091
Cd 226.502	-0.6291	ppb	0.0334	5.3	381.504
Co 228.615	16.6473	ppb	0.3481	2.1	244.835
Cr 267.716	154.286	ppb	0.2500	0.2	6778.21
Cu 324.754	58.4857	ppb	0.2282	0.4	3035.79
Fe 271.441	161433	ppb	151.439	0.1	274544
K 766.491	4341.31	ppb	8.7775	0.2	218890
Mg 279.078	2102.45	ppb	6.4254	0.3	4377.96
Mn 257.610	1148.13	ppb	1.0925	0.1	264940
Mo 202.032	5.5730	ppb	0.6289	11.3	38.2162
Na 330.237	52.5830	ppb	174.865	332.6	-59.2358
Ni 231.604	51.3632	ppb	1.7516	3.4	140.022
Pb 220.353	80.6452	ppb	1.7836	2.2	133.738
Sb 206.834	5.0246	ppb	3.3142	66.0	10.9704
Se 196.026	-4.3421	ppb	6.5210	150.2	-2.0558
Sn 189.925	20.8546	ppb	1.1514	5.5	14.8887
Sr 216.596	30.5170	ppb	0.4438	1.5	365.042
Ti 334.941	1561.29	ppb	2.2516	0.1	413277
Tl 190.794	8.1594	ppb	1.6166	19.8	-2.3202
V 292.401	347.493	ppb	0.6229	0.2	9791.90
Zn 206.200	135.960	ppb	1.7155	1.3	214.502

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680-88518-a-20-f (Samp) 3/26/2013, 10:25:57 PM Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0369u	0.0301u	0.0629u
Al 308.215	30436.8	30389.3	30445.4
As 188.980	583.532	584.093	577.002
B 249.678	1.4050u	1.4232u	1.5909u
Ba 389.178	604.971	604.947	604.060
Be 313.042	2.5091	2.4918	2.4990
Ca 370.602	23168	23117	23138
Cd 226.502	3.4040	3.8155	3.5826
Co 228.615	38.5533	39.1539	39.3889
Cr 267.716	73.7828	73.7451	73.3245
Cu 324.754	440.079	430.382	434.532
Fe 271.441	116440	116377	116684
K 766.491	3007.56	3005.11	2994.43
Mg 279.078	3524.04	3515.31	3519.78
Mn 257.610	1174.43	1174.60	1176.90
Mo 202.032	8.7779	7.8744	8.3244
Na 330.237	294.408u	176.531u	270.753u
Ni 231.604	59.2696	58.0335	57.3596
Pb 220.353	831.359	826.561	828.367
Sb 206.834	23.0223	18.2549	15.8403
Se 196.026	3.2714	0.0870	-2.6816u
Sn 189.925	71.0153	78.8200	69.2056
Sr 216.596	305.649	303.675	304.834
Ti 334.941	1082.63	1077.59	1079.47
Tl 190.794	3.9567u	4.7246u	12.6198
V 292.401	103.346	103.666	104.140
Zn 206.200	841.470	836.495	840.715

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0187	ppb	0.0509	271.9	-72.9482
Al 308.215	30423.8	ppb	30.2089	0.1	177424
As 188.980	581.542	ppb	3.9421	0.7	358.485
B 249.678	1.4731	ppb	0.1025	7.0	100.426
Ba 389.178	604.659	ppb	0.5194	0.1	15085.4
Be 313.042	2.5000	ppb	0.0087	0.3	4699.71
Ca 370.602	23141	ppb	25.38	0.1	66773
Cd 226.502	3.6007	ppb	0.2063	5.7	430.786
Co 228.615	39.0321	ppb	0.4309	1.1	495.937
Cr 267.716	73.6175	ppb	0.2544	0.3	3247.32
Cu 324.754	434.998	ppb	4.8654	1.1	21577.8
Fe 271.441	116500	ppb	161.869	0.1	198132
K 766.491	3002.37	ppb	6.9820	0.2	151443
Mg 279.078	3519.71	ppb	4.3650	0.1	7351.12
Mn 257.610	1175.31	ppb	1.3835	0.1	271085
Mo 202.032	8.3256	ppb	0.4518	5.4	58.9583
Na 330.237	247.231	ppb	62.3599	25.2	-37.1662
Ni 231.604	58.2209	ppb	0.9687	1.7	156.996
Pb 220.353	828.762	ppb	2.4232	0.3	1371.29
Sb 206.834	19.0392	ppb	3.6546	19.2	22.3046
Se 196.026	0.2256	ppb	2.9789	1320.5	-0.0644
Sn 189.925	73.0136	ppb	5.1092	7.0	55.4387
Sr 216.596	304.719	ppb	0.9917	0.3	3020.96
Ti 334.941	1079.90	ppb	2.5483	0.2	285829
Tl 190.794	7.1004	ppb	4.7954	67.5	-1.5710
V 292.401	103.717	ppb	0.3991	0.4	2932.65
Zn 206.200	839.560	ppb	2.6813	0.3	1315.16

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Cont Calib Verif (CCV) 3/26/2013, 10:31:23 PM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.830	503.918	499.415
Al 308.215	4979.75	4993.49	5007.24
As 188.980	460.043	470.831	456.884
B 249.678	2476.49	2502.85	2530.55
Ba 389.178	4987.55	4995.15	5002.49
Be 313.042	492.447	492.227	495.160
Ca 370.602	4922	4932	4957
Cd 226.502	483.386	484.307	485.668
Co 228.615	498.174	499.566	500.405
Cr 267.716	4745.73	4744.21	4774.28
Cu 324.754	4781.39	4867.11	4890.72
Fe 271.441	4978.94	5001.32	5009.27
K 766.491	9981.25	9956.37	10049.2
Mg 279.078	4891.92	4890.69	4912.75
Mn 257.610	4946.98	4951.52	4969.54
Mo 202.032	479.474	480.305	482.432
Na 330.237	7421.36	7435.52	7155.28
Ni 231.604	2467.29	2473.68	2482.69
Pb 220.353	486.113	488.614	486.021
Sb 206.834	934.010	929.738	927.888
Se 196.026	4878.84	4891.94	4903.83
Sn 189.925	4994.98	5009.43	4985.48
Sr 216.596	2410.38	2407.42	2422.47
Ti 334.941	484.052	484.053	486.571
Tl 190.794	4896.42	4865.76	4902.18
V 292.401	4953.33	4957.77	4974.99
Zn 206.200	2446.43	2455.48	2464.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.054	ppb	2.3496	0.5	35201.9	100.41085
Al 308.215	4993.49	ppb	13.7424	0.3	29318.9	99.86987
As 188.980	462.586	ppb	7.3128	1.6	285.719	92.51726
B 249.678	2503.30	ppb	27.0321	1.1	23821.6	100.13188
Ba 389.178	4995.06	ppb	7.4735	0.1	123341	99.90124
Be 313.042	493.278	ppb	1.6336	0.3	967812	98.65564
Ca 370.602	4937	ppb	17.95	0.4	16138	98.73790
Cd 226.502	484.453	ppb	1.1480	0.2	18235.1	96.89067
Co 228.615	499.382	ppb	1.1270	0.2	5887.97	99.87631
Cr 267.716	4754.74	ppb	16.9419	0.4	207552	95.09483
Cu 324.754	4846.41	ppb	57.5346	1.2	238882	96.92815
Fe 271.441	4996.51	ppb	15.7291	0.3	8622.68	99.93018
K 766.491	9995.61	ppb	48.0561	0.5	503712	99.95610
Mg 279.078	4898.45	ppb	12.3922	0.3	10151.5	97.96909
Mn 257.610	4956.01	ppb	11.9358	0.2	1141538	99.12023
Mo 202.032	480.737	ppb	1.5255	0.3	3190.68	96.14744
Na 330.237	7337.39	ppb	157.867	2.2	354.882	97.83181
Ni 231.604	2474.55	ppb	7.7405	0.3	6474.19	98.98211
Pb 220.353	486.916	ppb	1.4710	0.3	807.550	97.38319
Sb 206.834	930.545	ppb	3.1401	0.3	912.332	93.05453
Se 196.026	4891.53	ppb	12.4973	0.3	2405.30	97.83067
Sn 189.925	4996.63	ppb	12.0578	0.2	3882.53	99.93256
Sr 216.596	2413.42	ppb	7.9710	0.3	23468.3	96.53696
Ti 334.941	484.892	ppb	1.4541	0.3	128299	96.97845
Tl 190.794	4888.12	ppb	19.5738	0.4	3353.16	97.76236
V 292.401	4962.03	ppb	11.4434	0.2	139172	99.24059
Zn 206.200	2455.53	ppb	9.1495	0.4	3827.86	98.22110

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Cont Calib Blank (CCB) 3/26/2013, 10:36:48 PM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3281	-0.1926u	-0.5832u
Al 308.215	-4.0310u	-3.3913u	-3.6939u
As 188.980	-0.3004u	3.0722	5.8145
B 249.678	43.1680	36.9205	32.5423
Ba 389.178	0.6180	0.2456	0.2141
Be 313.042	-0.0187u	-0.0149u	0.0013
Ca 370.602	-5.497u	1.613	3.649
Cd 226.502	-0.0305u	-0.1199u	-0.1007u
Co 228.615	-0.8590u	0.2623	0.3458
Cr 267.716	-0.0361u	-0.1203u	-0.0627u
Cu 324.754	-0.5400u	-0.4756u	-0.2855u
Fe 271.441	7.7935	10.8010	7.9019
K 766.491	0.1198	-0.5586u	-0.8486u
Mg 279.078	3.3491	0.4111	2.4219
Mn 257.610	-0.0100u	0.0444	0.0830
Mo 202.032	0.6935	0.2398	0.6249
Na 330.237	-218.509u	-74.9142u	-127.066u
Ni 231.604	-0.5705u	-0.9341u	0.0264
Pb 220.353	1.8030	-0.6577u	-1.2107u
Sb 206.834	0.6685	-3.0788u	1.9960
Se 196.026	-3.5838u	-5.7082u	5.6456
Sn 189.925	3.7966	0.9308	3.2542
Sr 216.596	0.0578	-0.0085u	0.0940
Ti 334.941	0.2201	0.2794	0.2167
Tl 190.794	0.3899	1.7783	2.1128
V 292.401	-0.0629u	0.1921	0.0837
Zn 206.200	-0.1464u	1.1531	-0.3069u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1492	ppb	0.4572	306.4	-76.6900	-0.14921
Al 308.215	-3.7054	ppb	0.3200	8.6	243.885	-3.70537
As 188.980	2.8621	ppb	3.0629	107.0	1.3618	2.86208
B 249.678	37.5436	ppb	5.3402	14.2	550.153	37.54359
Ba 389.178	0.3593	ppb	0.2247	62.5	-21.1443	0.35925
Be 313.042	-0.0108	ppb	0.0107	99.0	-231.786	-0.01075
Ca 370.602	-0.0781	ppb	4.802	6149.5	-6.578	-0.07809
Cd 226.502	-0.0837	ppb	0.0470	56.2	7.9575	-0.08369
Co 228.615	-0.0836	ppb	0.6728	804.5	10.8844	-0.08363
Cr 267.716	-0.0730	ppb	0.0430	58.9	-0.5354	-0.07305
Cu 324.754	-0.4337	ppb	0.1323	30.5	88.9095	-0.43372
Fe 271.441	8.8321	ppb	1.7059	19.3	18.6475	8.83212
K 766.491	-0.4291	ppb	0.4970	115.8	184.197	-0.42914
Mg 279.078	2.0607	ppb	1.5019	72.9	29.6306	2.06069
Mn 257.610	0.0391	ppb	0.0467	119.4	67.7605	0.03915
Mo 202.032	0.5194	ppb	0.2446	47.1	12.6575	0.51942
Na 330.237	-140.163	ppb	72.6876	51.9	-7.2469	-140.16283
Ni 231.604	-0.4927	ppb	0.4850	98.4	1.0313	-0.49271
Pb 220.353	-0.0218	ppb	1.6043	7365.0	3.4833	-0.02178
Sb 206.834	-0.1381	ppb	2.6318	1905.7	1.3308	-0.13810
Se 196.026	-1.2155	ppb	6.0361	496.6	-1.7371	-1.21548
Sn 189.925	2.6605	ppb	1.5223	57.2	0.7471	2.66055
Sr 216.596	0.0478	ppb	0.0520	108.8	8.8668	0.04779
Ti 334.941	0.2387	ppb	0.0353	14.8	-28.7007	0.23873
Tl 190.794	1.4270	ppb	0.9136	64.0	-0.2432	1.42698
V 292.401	0.0710	ppb	0.1280	180.4	5.8376	0.07095
Zn 206.200	0.2332	ppb	0.8996	384.3	2.7121	0.23325

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5295u	-0.1664u	0.5699
Al 308.215	135221	135673	135079
As 188.980	39.7421	34.1455	35.2848
B 249.678	0.3787u	0.1177u	-0.5552u
Ba 389.178	634.805	635.862	633.268
Be 313.042	1.1902	1.1897	1.1941
Ca 370.602	4233	4238	4220
Cd 226.502	-0.3545	-0.4131	-0.3448
Co 228.615	7.0273	7.1179	7.4499
Cr 267.716	167.010	167.642	167.127
Cu 324.754	64.3128	66.1148	65.9750
Fe 271.441	138315	139049	138457
K 766.491	1374.67	1374.75	1365.44
Mg 279.078	1207.71	1208.02	1210.61
Mn 257.610	657.958	660.299	658.556
Mo 202.032	9.2012	9.2804	10.9380
Na 330.237	123.560u	-205.347u	310.195u
Ni 231.604	16.2614	13.9254	16.6331
Pb 220.353	139.099	133.340	137.371
Sb 206.834	4.4505	2.0799	2.4045
Se 196.026	-2.9985u	1.7037	8.2800
Sn 189.925	20.2869	23.5312	25.9931
Sr 216.596	44.6183	43.6565	44.2304
Ti 334.941	985.284	983.347	982.736
Tl 190.794	6.6861u	4.3686u	12.7799
V 292.401	374.595	376.319	375.222
Zn 206.200	71.9475	71.5214	74.1197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0420	ppb	0.5601	1334.2	-66.0239
Al 308.215	135324	ppb	310.589	0.2	788261
As 188.980	36.3908	ppb	2.9577	8.1	20.7384
B 249.678	-0.0196	ppb	0.4819	2459.7	65.6001
Ba 389.178	634.645	ppb	1.3045	0.2	15853.2
Be 313.042	1.1913	ppb	0.0024	0.2	2124.45
Ca 370.602	4231	ppb	9.277	0.2	2525
Cd 226.502	-0.3708	ppb	0.0369	10.0	335.403
Co 228.615	7.1984	ppb	0.2225	3.1	118.848
Cr 267.716	167.260	ppb	0.3362	0.2	7336.56
Cu 324.754	65.4675	ppb	1.0025	1.5	3373.02
Fe 271.441	138607	ppb	389.242	0.3	235724
K 766.491	1371.62	ppb	5.3541	0.4	69298.0
Mg 279.078	1208.78	ppb	1.5912	0.1	2517.98
Mn 257.610	658.938	ppb	1.2162	0.2	152205
Mo 202.032	9.8065	ppb	0.9807	10.0	67.3074
Na 330.237	76.1360	ppb	261.023	342.8	-46.0849
Ni 231.604	15.6066	ppb	1.4678	9.4	46.0389
Pb 220.353	136.603	ppb	2.9552	2.2	226.250
Sb 206.834	2.9783	ppb	1.2853	43.2	8.6303
Se 196.026	2.3284	ppb	5.6651	243.3	0.9715
Sn 189.925	23.2704	ppb	2.8620	12.3	16.7657
Sr 216.596	44.1684	ppb	0.4839	1.1	489.710
Ti 334.941	983.789	ppb	1.3303	0.1	260383
Tl 190.794	7.9449	ppb	4.3446	54.7	-1.1686
V 292.401	375.379	ppb	0.8728	0.2	10564.9
Zn 206.200	72.5296	ppb	1.3935	1.9	815.257

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mb 680-270365/1-a (Samp) 3/26/2013, 10:47:38 PM Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4786u	-0.2769u	-0.5350u
Al 308.215	5.4945	5.6159	2.4877
As 188.980	5.8736	1.0289	-0.3370u
B 249.678	-7.0365u	-8.3609u	-7.1450u
Ba 389.178	0.3001	0.4595	-0.9994u
Be 313.042	-0.0278u	-0.0278u	-0.0178u
Ca 370.602	17.89	21.57	17.57
Cd 226.502	-0.0819u	-0.0444u	-0.0776u
Co 228.615	-0.0531u	0.5323	-0.9117u
Cr 267.716	0.2823	0.0188	-0.0104u
Cu 324.754	0.2473	0.4606	-0.3168u
Fe 271.441	24.1414	14.4095	17.6899
K 766.491	8.8199	7.7521	8.4711
Mg 279.078	0.9609	8.0082	1.6809
Mn 257.610	0.3689	0.3247	0.4008
Mo 202.032	0.1474	0.3456	-0.0035u
Na 330.237	-83.5440u	-153.884u	134.867
Ni 231.604	-1.4765u	0.0118	-1.1569u
Pb 220.353	2.6508	-3.5240u	-1.4023u
Sb 206.834	2.6936	-6.3841u	-3.1339u
Se 196.026	5.6267	-5.9552u	7.3182
Sn 189.925	9.8486	6.6083	6.4948
Sr 216.596	-0.2385u	-0.1679u	0.3955
Ti 334.941	0.5493	0.5310	0.5160
Tl 190.794	2.1668	-1.3262u	2.0599
V 292.401	-0.4575u	0.2601	-0.4799u
Zn 206.200	-0.4343u	0.8490	0.0416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4302	ppb	0.1357	31.5	-96.4843
Al 308.215	4.5327	ppb	1.7721	39.1	291.836
As 188.980	2.1885	ppb	3.2636	149.1	0.9450
B 249.678	-7.5141	ppb	0.7353	9.8	124.804
Ba 389.178	-0.0799	ppb	0.8002	1001.3	-31.9621
Be 313.042	-0.0245	ppb	0.0058	23.6	-258.656
Ca 370.602	19.01	ppb	2.223	11.7	55.14
Cd 226.502	-0.0680	ppb	0.0205	30.2	8.5849
Co 228.615	-0.1442	ppb	0.7263	503.8	10.1824
Cr 267.716	0.0969	ppb	0.1612	166.4	6.8930
Cu 324.754	0.1304	ppb	0.4017	308.1	116.707
Fe 271.441	18.7470	ppb	4.9513	26.4	35.5352
K 766.491	8.3477	ppb	0.5445	6.5	626.310
Mg 279.078	3.5500	ppb	3.8777	109.2	32.7284
Mn 257.610	0.3648	ppb	0.0382	10.5	142.816
Mo 202.032	0.1632	ppb	0.1751	107.3	10.2932
Na 330.237	-34.1868	ppb	150.570	440.4	-1.7807
Ni 231.604	-0.8739	ppb	0.7835	89.7	0.0348
Pb 220.353	-0.7585	ppb	3.1374	413.6	2.2665
Sb 206.834	-2.2748	ppb	4.5995	202.2	-0.6564
Se 196.026	2.3299	ppb	7.2248	310.1	0.0064
Sn 189.925	7.6506	ppb	1.9044	24.9	4.6258
Sr 216.596	-0.0036	ppb	0.3474	9594.9	8.3918
Ti 334.941	0.5321	ppb	0.0167	3.1	48.9654
Tl 190.794	0.9668	ppb	1.9866	205.5	-0.5602
V 292.401	-0.2258	ppb	0.4209	186.4	-2.4797
Zn 206.200	0.1521	ppb	0.6488	426.6	2.5845

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ics 680-270365/2-a (Samp) 3/26/2013, 10:53:03 PM Rack 2, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	14.5906	14.2829	14.5331
Al 308.215	5145.65	5175.69	5182.54
As 188.980	113.814	117.817	105.201
B 249.678	191.905	195.841	196.655
Ba 389.178	106.559	108.713	108.306
Be 313.042	53.4209	53.8296	53.9419
Ca 370.602	5110	5161	5177
Cd 226.502	52.3973	52.6371	53.1065
Co 228.615	54.2216	54.3511	54.0447
Cr 267.716	102.495	103.608	104.317
Cu 324.754	106.909	107.519	104.277
Fe 271.441	5298.95	5320.82	5322.54
K 766.491	5406.11	5417.34	5429.41
Mg 279.078	5187.44	5217.56	5231.75
Mn 257.610	538.854	541.779	542.431
Mo 202.032	102.749	103.627	104.005
Na 330.237	5142.02	5191.25	5006.69
Ni 231.604	106.960	102.488	106.200
Pb 220.353	49.2487	51.7557	54.1658
Sb 206.834	50.2781	53.2261	48.2826
Se 196.026	104.131	107.093	98.9925
Sn 189.925	221.930	219.991	225.201
Sr 216.596	104.133	106.934	105.163
Ti 334.941	103.349	104.371	104.775
Tl 190.794	48.5202	45.7879	43.5997
V 292.401	106.662	107.371	106.940
Zn 206.200	105.460	107.278	107.663

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.4689	ppb	0.1636	1.1	950.042
Al 308.215	5167.96	ppb	19.6226	0.4	30370.9
As 188.980	112.277	ppb	6.4467	5.7	69.0339
B 249.678	194.801	ppb	2.5402	1.3	2029.64
Ba 389.178	107.859	ppb	1.1445	1.1	2656.53
Be 313.042	53.7308	ppb	0.2742	0.5	105241
Ca 370.602	5149	ppb	34.94	0.7	16565
Cd 226.502	52.7136	ppb	0.3607	0.7	2005.74
Co 228.615	54.2058	ppb	0.1538	0.3	648.015
Cr 267.716	103.473	ppb	0.9183	0.9	4522.10
Cu 324.754	106.235	ppb	1.7230	1.6	5348.34
Fe 271.441	5314.11	ppb	13.1528	0.2	9050.26
K 766.491	5417.62	ppb	11.6529	0.2	273106
Mg 279.078	5212.25	ppb	22.6276	0.4	10874.8
Mn 257.610	541.021	ppb	1.9048	0.4	124707
Mo 202.032	103.460	ppb	0.6445	0.6	695.360
Na 330.237	5113.32	ppb	95.5687	1.9	260.664
Ni 231.604	105.216	ppb	2.3925	2.3	277.605
Pb 220.353	51.7234	ppb	2.4587	4.8	88.7488
Sb 206.834	50.5956	ppb	2.4870	4.9	48.8409
Se 196.026	103.406	ppb	4.0988	4.0	49.8691
Sn 189.925	222.374	ppb	2.6335	1.2	171.532
Sr 216.596	105.410	ppb	1.4166	1.3	1032.70
Ti 334.941	104.165	ppb	0.7349	0.7	27507.4
Tl 190.794	45.9693	ppb	2.4652	5.4	29.6495
V 292.401	106.991	ppb	0.3573	0.3	2987.25
Zn 206.200	106.800	ppb	1.1766	1.1	169.057

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ics 680-270365/3-a (Samp) 3/26/2013, 10:58:29 PM Rack 2, Tube 32
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	215.914	216.770	214.180
Al 308.215	2130.08	2140.80	2130.54
As 188.980	212.534	217.707	217.924
B 249.678	388.455	393.573	393.370
Ba 389.178	204.225	205.081	203.094
Be 313.042	205.882	206.784	206.084
Ca 370.602	19868	19973	19900
Cd 226.502	197.681	197.621	196.679
Co 228.615	200.958	201.682	201.054
Cr 267.716	195.970	197.510	196.945
Cu 324.754	204.526	205.056	203.878
Fe 271.441	21056.1	21101.9	21009.7
K 766.491	20654.0	20626.3	20532.5
Mg 279.078	20052.1	20148.3	20088.9
Mn 257.610	2071.25	2076.00	2071.23
Mo 202.032	200.283	199.263	200.168
Na 330.237	18033.3	18136.5	17893.2
Ni 231.604	202.946	201.416	203.628
Pb 220.353	197.974	198.918	197.162
Sb 206.834	196.384	196.460	191.632
Se 196.026	211.364	216.654	195.017
Sn 189.925	220.042	217.239	221.348
Sr 216.596	211.373	213.920	212.660
Ti 334.941	200.308	202.109	201.380
Tl 190.794	45.3812	47.6609	45.0841
V 292.401	205.009	205.060	204.082
Zn 206.200	192.811	193.107	192.098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	215.621	ppb	1.3195	0.6	15105.0
Al 308.215	2133.81	ppb	6.0622	0.3	12714.3
As 188.980	216.055	ppb	3.0515	1.4	133.195
B 249.678	391.799	ppb	2.8983	0.7	3874.49
Ba 389.178	204.133	ppb	0.9963	0.5	5099.68
Be 313.042	206.250	ppb	0.4731	0.2	404613
Ca 370.602	19914	ppb	53.68	0.3	63992
Cd 226.502	197.327	ppb	0.5620	0.3	7480.70
Co 228.615	201.231	ppb	0.3930	0.2	2374.51
Cr 267.716	196.808	ppb	0.7791	0.4	8604.39
Cu 324.754	204.487	ppb	0.5904	0.3	10196.0
Fe 271.441	21055.9	ppb	46.0795	0.2	35844.2
K 766.491	20604.2	ppb	63.6810	0.3	1038098
Mg 279.078	20096.4	ppb	48.5102	0.2	41862.4
Mn 257.610	2072.83	ppb	2.7458	0.1	477629
Mo 202.032	199.904	ppb	0.5582	0.3	1334.49
Na 330.237	18021.0	ppb	122.140	0.7	920.714
Ni 231.604	202.663	ppb	1.1328	0.6	532.784
Pb 220.353	198.018	ppb	0.8788	0.4	330.505
Sb 206.834	194.825	ppb	2.7657	1.4	184.458
Se 196.026	207.678	ppb	11.2797	5.4	101.607
Sn 189.925	219.543	ppb	2.0995	1.0	169.342
Sr 216.596	212.651	ppb	1.2733	0.6	2079.91
Ti 334.941	201.266	ppb	0.9063	0.5	53277.9
Tl 190.794	46.0420	ppb	1.4098	3.1	27.6648
V 292.401	204.717	ppb	0.5505	0.3	5711.97
Zn 206.200	192.672	ppb	0.5187	0.3	203.066

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680-88517-a-8-c (Samp) 3/26/2013, 11:03:54 PM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1343u	-0.6119u	-1.3202u
Al 308.215	88521.1	88283.6	88134.7
As 188.980	22.8612	24.6659	23.7982
B 249.678	-5.2929u	-5.4446u	-5.6887u
Ba 389.178	70.3615	70.5173	70.1575
Be 313.042	0.6476	0.6571	0.6423
Ca 370.602	1185u	1173u	1179u
Cd 226.502	-0.2633	-0.1169	-0.3781
Co 228.615	2.2044	2.4823	1.7652
Cr 267.716	98.7464	98.4798	98.6313
Cu 324.754	27.7477	29.2005	30.0106
Fe 271.441	80838.5	80609.7	80462.1
K 766.491	743.463	742.852	741.775
Mg 279.078	795.039	801.620	804.544
Mn 257.610	69.0494	68.8467	68.6965
Mo 202.032	6.1223	5.8984	5.7500
Na 330.237	141.498u	-278.809u	-76.0926u
Ni 231.604	10.3680	9.7444	10.4486
Pb 220.353	33.4029	30.8406	27.2062
Sb 206.834	-3.3319u	0.7395	0.3340
Se 196.026	8.0924	-7.3638u	-11.5646u
Sn 189.925	20.4017	15.1017	17.4772
Sr 216.596	24.9493	23.0059	25.0487
Ti 334.941	544.834	545.019	543.866
Tl 190.794	10.4461	1.5744u	5.5679
V 292.401	238.595	238.312	237.945
Zn 206.200	42.2327	42.2254	43.4923

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6888	ppb	0.5967	86.6	-113.978
Al 308.215	88313.1	ppb	194.888	0.2	514514
As 188.980	23.7751	ppb	0.9026	3.8	13.4944
B 249.678	-5.4754	ppb	0.1997	3.6	68.4455
Ba 389.178	70.3454	ppb	0.1805	0.3	1831.13
Be 313.042	0.6490	ppb	0.0075	1.2	1061.24
Ca 370.602	1179	ppb	5.987	0.5	-2778
Cd 226.502	-0.2528	ppb	0.1309	51.8	198.401
Co 228.615	2.1506	ppb	0.3616	16.8	49.3305
Cr 267.716	98.6192	ppb	0.1338	0.1	4325.23
Cu 324.754	28.9863	ppb	1.1466	4.0	1559.81
Fe 271.441	80636.8	ppb	189.657	0.2	137138
K 766.491	742.697	ppb	0.8546	0.1	37617.5
Mg 279.078	800.401	ppb	4.8687	0.6	1680.07
Mn 257.610	68.8642	ppb	0.1771	0.3	16142.7
Mo 202.032	5.9236	ppb	0.1874	3.2	44.4245
Na 330.237	-71.1346	ppb	210.197	295.5	-32.5257
Ni 231.604	10.1870	ppb	0.3854	3.8	30.6546
Pb 220.353	30.4832	ppb	3.1138	10.2	51.9710
Sb 206.834	-0.7528	ppb	2.2427	297.9	3.3235
Se 196.026	-3.6120	ppb	10.3516	286.6	-2.4304
Sn 189.925	17.6602	ppb	2.6547	15.0	12.4050
Sr 216.596	24.3346	ppb	1.1518	4.7	275.019
Ti 334.941	544.573	ppb	0.6189	0.1	144095
Tl 190.794	5.8628	ppb	4.4432	75.8	-0.0178
V 292.401	238.284	ppb	0.3259	0.1	6707.01
Zn 206.200	42.6502	ppb	0.7293	1.7	687426

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680-88517-a-9-c (Samp) 3/26/2013, 11:09:20 PM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2078	0.5963	0.0105
Al 308.215	20233.8	20141.0	20194.0
As 188.980	6.7133	2.5901	3.4209
B 249.678	-10.1432u	-10.6249u	-10.4925u
Ba 389.178	12.4583	11.8219	10.9746
Be 313.042	0.1574	0.1642	0.1685
Ca 370.602	1015	1006	1016
Cd 226.502	-0.0414	-0.1507	-0.1234
Co 228.615	0.5759	0.1884	0.4836
Cr 267.716	17.0423	17.1083	17.1470
Cu 324.754	8.7437	9.0563	8.7822
Fe 271.441	13243.8	13160.6	13223.6
K 766.491	404.476	400.943	402.923
Mg 279.078	201.956	200.165	198.649
Mn 257.610	9.4108	9.3606	9.3351
Mo 202.032	0.9875	0.6860	1.4195
Na 330.237	96.7843u	50.6193u	148.926
Ni 231.604	0.4556	1.4687	0.5892
Pb 220.353	10.5449	10.5199	11.6749
Sb 206.834	-1.9750u	0.3164	-0.8154u
Se 196.026	2.1174	2.2411	10.7379
Sn 189.925	14.1245	12.8761	16.7306
Sr 216.596	17.5759	17.4685	17.5207
Ti 334.941	160.800	160.380	160.907
Tl 190.794	1.1767	-2.4532u	4.7328
V 292.401	50.5263	50.6050	51.2123
Zn 206.200	4.7358	4.4197	5.3639

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2715	ppb	0.2981	109.8	-47.4825
Al 308.215	20189.6	ppb	46.5925	0.2	117830
As 188.980	4.2414	ppb	2.1806	51.4	2.0898
B 249.678	-10.4202	ppb	0.2489	2.4	84.9975
Ba 389.178	11.7516	ppb	0.7443	6.3	280.713
Be 313.042	0.1634	ppb	0.0056	3.4	110.086
Ca 370.602	1012	ppb	5.421	0.5	2255
Cd 226.502	-0.1052	ppb	0.0569	54.1	39.3919
Co 228.615	0.4160	ppb	0.2024	48.7	20.6954
Cr 267.716	17.0992	ppb	0.0530	0.3	752.036
Cu 324.754	8.8607	ppb	0.1705	1.9	550.253
Fe 271.441	13209.3	ppb	43.4006	0.3	22468.0
K 766.491	402.781	ppb	1.7709	0.4	20495.0
Mg 279.078	200.257	ppb	1.6557	0.8	438.787
Mn 257.610	9.3688	ppb	0.0385	0.4	2253.53
Mo 202.032	1.0310	ppb	0.3687	35.8	15.3614
Na 330.237	98.7764	ppb	49.1835	49.8	-0.1935
Ni 231.604	0.8378	ppb	0.5504	65.7	4.7905
Pb 220.353	10.9132	ppb	0.6597	6.0	21.0892
Sb 206.834	-0.8247	ppb	1.1457	138.9	1.1226
Se 196.026	5.0321	ppb	4.9418	98.2	1.4139
Sn 189.925	14.5771	ppb	1.9667	13.5	10.0099
Sr 216.596	17.5217	ppb	0.0537	0.3	184.023
Ti 334.941	160.696	ppb	0.2788	0.2	42453.9
Tl 190.794	1.1521	ppb	3.5931	311.9	-0.8882
V 292.401	50.7812	ppb	0.3754	0.7	1433.43
Zn 206.200	4.8398	ppb	0.4896	9.9	0.8635

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680-88517-a-10-e (Samp) 3/26/2013, 11:14:46 PM Rack 2, Tube 35
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2364u	-1.9277u	-0.5930u
Al 308.215	46795.2	46626.7	46900.6
As 188.980	14.9722	8.8524	17.6615
B 249.678	-12.2472u	-11.6991u	-12.8251u
Ba 389.178	101.529	102.378	103.329
Be 313.042	0.5555	0.5589	0.5642
Ca 370.602	1456	1454	1455
Cd 226.502	0.0027	-0.5445	-0.3225
Co 228.615	2.5172	1.8103	2.6476
Cr 267.716	56.3181	56.3091	56.5176
Cu 324.754	15.7625	15.6057	15.6890
Fe 271.441	47425.8	47135.4	47529.9
K 766.491	748.696	746.168	750.380
Mg 279.078	689.531	687.645	695.268
Mn 257.610	156.780	156.430	157.009
Mo 202.032	3.6903	4.0908	3.3142
Na 330.237	-26.0521u	-32.5154u	222.584u
Ni 231.604	7.4302	9.4815	7.9495
Pb 220.353	26.6389	24.8280	31.1632
Sb 206.834	-0.9257	-8.8101u	-4.2660u
Se 196.026	15.0695	7.0370	0.7306
Sn 189.925	16.9638	16.6359	13.4255
Sr 216.596	34.0801	34.7026	34.2633
Ti 334.941	474.462	473.869	476.215
Tl 190.794	-0.0001u	9.3342	-1.3838u
V 292.401	136.370	136.346	136.433
Zn 206.200	24.6231	22.0002	22.7219

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9191	ppb	0.8915	97.0	-130.881
Al 308.215	46774.2	ppb	138.165	0.3	272632
As 188.980	13.8287	ppb	4.5145	32.6	7.6796
B 249.678	-12.2571	ppb	0.5631	4.6	35.6236
Ba 389.178	102.412	ppb	0.9007	0.9	2572.27
Be 313.042	0.5595	ppb	0.0044	0.8	886.254
Ca 370.602	1455	ppb	1.352	0.1	913.7
Cd 226.502	-0.2881	ppb	0.2752	95.5	115.886
Co 228.615	2.3250	ppb	0.4505	19.4	50.5335
Cr 267.716	56.3816	ppb	0.1179	0.2	2474.90
Cu 324.754	15.6857	ppb	0.0784	0.5	895.711
Fe 271.441	47363.7	ppb	204.416	0.4	80552.3
K 766.491	748.415	ppb	2.1198	0.3	37905.5
Mg 279.078	690.815	ppb	3.9704	0.6	1456.69
Mn 257.610	156.740	ppb	0.2920	0.2	36290.7
Mo 202.032	3.6984	ppb	0.3884	10.5	31.3540
Na 330.237	54.6722	ppb	145.452	266.0	-15.3610
Ni 231.604	8.2870	ppb	1.0665	12.9	24.9855
Pb 220.353	27.5434	ppb	3.2630	11.8	47.9272
Sb 206.834	-4.6673	ppb	3.9575	84.8	-1.4041
Se 196.026	7.6124	ppb	7.1868	94.4	2.9171
Sn 189.925	15.6751	ppb	1.9551	12.5	10.8628
Sr 216.596	34.3487	ppb	0.3199	0.9	360.408
Ti 334.941	474.848	ppb	1.2198	0.3	125630
Tl 190.794	2.6501	ppb	5.8298	220.0	-1.1781
V 292.401	136.383	ppb	0.0451	0.0	3843.10
Zn 206.200	23.1151	ppb	1.3549	5.9	383226

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680-88518-a-1-b (Samp) 3/26/2013, 11:20:12 PM Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.0672u	-3.7576u	-2.3678u
Al 308.215	60638.0	60692.2	60735.8
As 188.980	21.2742	21.1692	20.2575
B 249.678	-19.6257u	-18.8533u	-18.5173u
Ba 389.178	244.649	245.584	246.224
Be 313.042	1.4620	1.4714	1.4483
Ca 370.602	8444	8464	8480
Cd 226.502	-0.4133	-0.4006	-0.4386
Co 228.615	17.5602	15.6788	17.1442
Cr 267.716	135.264	136.126	136.183
Cu 324.754	46.8902	47.7532	47.0130
Fe 271.441	98412.0	98812.2	98639.2
K 766.491	20712.0	20761.0	20809.8
Mg 279.078	17197.9	17208.6	17240.6
Mn 257.610	1443.34	1446.77	1446.65
Mo 202.032	2.9965	3.4198	3.0083
Na 330.237	153.139u	-97.9098u	70.0643u
Ni 231.604	43.6110	44.7013	44.7084
Pb 220.353	39.6211	40.2363	36.6156
Sb 206.834	-2.3518	-2.0825	-1.5874
Se 196.026	-0.9195	5.3380	2.4585
Sn 189.925	19.4672	15.8525	18.2359
Sr 216.596	59.3982	59.9622	59.9311
Ti 334.941	3391.61	3415.87	3423.60
Tl 190.794	15.6974	12.0226	10.1843
V 292.401	238.901	239.504	239.636
Zn 206.200	193.588	193.789	193.026

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7308	ppb	0.9018	33.0	-253.696
Al 308.215	60688.7	ppb	48.9587	0.1	353655
As 188.980	20.9003	ppb	0.5591	2.7	11.5952
B 249.678	-18.9988	ppb	0.5683	3.0	-76.0633
Ba 389.178	245.486	ppb	0.7917	0.3	6228.44
Be 313.042	1.4606	ppb	0.0116	0.8	2652.13
Ca 370.602	8463	ppb	17.87	0.2	20334
Cd 226.502	-0.4175	ppb	0.0194	4.6	236.358
Co 228.615	16.7944	ppb	0.9883	5.9	298.960
Cr 267.716	135.858	ppb	0.5149	0.4	5965.05
Cu 324.754	47.2188	ppb	0.4669	1.0	2463.35
Fe 271.441	98621.2	ppb	200.705	0.2	167725
K 766.491	20760.9	ppb	48.9209	0.2	1045991
Mg 279.078	17215.7	ppb	22.2147	0.1	35867.4
Mn 257.610	1445.59	ppb	1.9468	0.1	333361
Mo 202.032	3.1415	ppb	0.2410	7.7	25.1351
Na 330.237	41.7644	ppb	127.895	306.2	-56.1873
Ni 231.604	44.3403	ppb	0.6315	1.4	120.337
Pb 220.353	38.8243	ppb	1.9374	5.0	64.9544
Sb 206.834	-2.0072	ppb	0.3877	19.3	2.9221
Se 196.026	2.2923	ppb	3.1320	136.6	0.9146
Sn 189.925	17.8518	ppb	1.8377	10.3	12.5562
Sr 216.596	59.7638	ppb	0.3170	0.5	627.056
Ti 334.941	3410.36	ppb	16.6885	0.5	902853
Tl 190.794	12.6347	ppb	2.8071	22.2	2.6293
V 292.401	239.347	ppb	0.3920	0.2	6783.21
Zn 206.200	193.467	ppb	0.3954	0.2	304.501

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Cont Calib Verif (CCV) 3/26/2013, 11:25:38 PM Rack 2, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	498.074	498.576	502.078
Al 308.215	4959.50	4918.31	4947.87
As 188.980	457.611	448.056	464.846
B 249.678	2468.35	2469.00	2499.82
Ba 389.178	4953.79	4915.19	4946.02
Be 313.042	490.164	486.530	488.923
Ca 370.602	4899	4852	4878
Cd 226.502	480.587	476.674	478.425
Co 228.615	495.503	491.609	493.401
Cr 267.716	4730.65	4693.68	4717.28
Cu 324.754	4812.32	4748.85	4839.02
Fe 271.441	4954.33	4910.83	4934.63
K 766.491	9823.09	10153.7	9859.98
Mg 279.078	4874.90	4834.61	4853.52
Mn 257.610	4931.99	4885.36	4898.00
Mo 202.032	476.208	473.505	476.622
Na 330.237	7197.63	7155.80	7417.49
Ni 231.604	2459.97	2442.87	2447.90
Pb 220.353	481.909	477.761	478.710
Sb 206.834	924.672	904.834	910.576
Se 196.026	4867.98	4823.41	4839.78
Sn 189.925	4937.23	4916.43	4877.43
Sr 216.596	2397.19	2379.14	2392.13
Ti 334.941	482.746	479.281	482.208
Tl 190.794	4848.61	4820.84	4828.19
V 292.401	4917.51	4880.77	4901.29
Zn 206.200	2432.18	2421.20	2428.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.576	ppb	2.1815	0.4	35028.4	99.91523
Al 308.215	4941.89	ppb	21.2339	0.4	29018.6	98.83781
As 188.980	456.838	ppb	8.4214	1.8	282.163	91.36752
B 249.678	2479.06	ppb	17.9812	0.7	23592.8	99.16226
Ba 389.178	4938.33	ppb	20.4197	0.4	121940	98.76669
Be 313.042	488.539	ppb	1.8471	0.4	958513	97.70787
Ca 370.602	4876	ppb	23.72	0.5	15941	97.52794
Cd 226.502	478.562	ppb	1.9600	0.4	18013.5	95.71243
Co 228.615	493.504	ppb	1.9492	0.4	5818.86	98.70084
Cr 267.716	4713.87	ppb	18.7223	0.4	205768	94.27734
Cu 324.754	4800.07	ppb	46.3171	1.0	236599	96.00131
Fe 271.441	4933.27	ppb	21.7805	0.4	8513.75	98.66531
K 766.491	9945.59	ppb	181.164	1.8	501192	99.45586
Mg 279.078	4854.34	ppb	20.1568	0.4	10060.4	97.08682
Mn 257.610	4905.12	ppb	24.1199	0.5	1129816	98.10232
Mo 202.032	475.445	ppb	1.6931	0.4	3155.67	95.08902
Na 330.237	7256.97	ppb	140.574	1.9	351.005	96.75964
Ni 231.604	2450.25	ppb	8.7896	0.4	6410.62	98.00988
Pb 220.353	479.460	ppb	2.1736	0.5	795.240	95.89201
Sb 206.834	913.361	ppb	10.2078	1.1	895.838	91.33607
Se 196.026	4843.72	ppb	22.5474	0.5	2381.77	96.87441
Sn 189.925	4910.36	ppb	30.3599	0.6	3815.47	98.20724
Sr 216.596	2389.49	ppb	9.3096	0.4	23235.6	95.57942
Ti 334.941	481.412	ppb	1.8647	0.4	127378	96.28236
Tl 190.794	4832.55	ppb	14.3905	0.3	3315.02	96.65098
V 292.401	4899.86	ppb	18.4112	0.4	137428	97.99711
Zn 206.200	2427.15	ppb	5.5480	0.2	2783.65	97.08598

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Cont Calib Blank (CCB) 3/26/2013, 11:31:04 PM Rack 2, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0476u	-0.5399u	0.0372
Al 308.215	-5.3652u	-3.7005u	-4.4210u
As 188.980	4.9404	5.9612	-0.3565u
B 249.678	41.4708	38.0412	33.2707
Ba 389.178	-0.3988u	0.2165	0.4509
Be 313.042	-0.0180u	-0.0124u	-0.0161u
Ca 370.602	2.088	7.254	-0.6786u
Cd 226.502	-0.1576u	-0.0669u	0.0880
Co 228.615	0.7966	0.6078	-0.2485u
Cr 267.716	0.0654	-0.2595u	-0.0776u
Cu 324.754	0.0932	0.4188	0.6284
Fe 271.441	-0.7801u	-1.4482u	4.7505
K 766.491	0.1909	0.0934	0.3641
Mg 279.078	-1.4889u	-0.4349u	-3.9698u
Mn 257.610	1.9419	2.0138	1.9943
Mo 202.032	0.3159	1.0349	0.9315
Na 330.237	83.7860	172.726	165.588
Ni 231.604	-0.7664u	-0.5439u	-1.9760u
Pb 220.353	1.5005	-0.3990u	1.5276
Sb 206.834	4.4306	1.0818	4.8125
Se 196.026	6.7803	-2.6148u	-0.2153u
Sn 189.925	1.1908	-0.0107u	3.7302
Sr 216.596	-0.3290u	-0.3143u	-0.0086u
Ti 334.941	0.1753	0.1784	0.1171
Tl 190.794	2.7187	5.1637	8.7879
V 292.401	-0.1644u	0.1247	0.2993
Zn 206.200	-0.0148u	-0.4784u	-0.3954u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1834	ppb	0.3116	169.9	-79.1031	-0.18342
Al 308.215	-4.4956	ppb	0.8348	18.6	239.320	-4.49556
As 188.980	3.5150	ppb	3.3914	96.5	1.7658	3.51502
B 249.678	37.5942	ppb	4.1183	11.0	550.633	37.59424
Ba 389.178	0.0895	ppb	0.4388	490.1	-27.8172	0.08954
Be 313.042	-0.0155	ppb	0.0028	18.3	-241.187	-0.01551
Ca 370.602	2.888	ppb	4.026	139.4	3.368	2.88797
Cd 226.502	-0.0455	ppb	0.1242	272.8	9.3871	-0.04553
Co 228.615	0.3853	ppb	0.5570	144.6	16.3832	0.38527
Cr 267.716	-0.0906	ppb	0.1628	179.7	-1.2910	-0.09060
Cu 324.754	0.3801	ppb	0.2697	71.0	129.018	0.38011
Fe 271.441	0.8407	ppb	3.4024	404.7	5.1268	0.84074
K 766.491	0.2161	ppb	0.1371	63.4	216.701	0.21612
Mg 279.078	-1.9645	ppb	1.8148	92.4	21.2142	-1.96452
Mn 257.610	1.9833	ppb	0.0372	1.9	515.499	1.98331
Mo 202.032	0.7608	ppb	0.3887	51.1	14.2594	0.76079
Na 330.237	140.700	ppb	49.4182	35.1	7.2558	140.70015
Ni 231.604	-1.0954	ppb	0.7707	70.4	-0.5450	-1.09541
Pb 220.353	0.8763	ppb	1.1046	126.0	4.9665	0.87635
Sb 206.834	3.4416	ppb	2.0526	59.6	4.6657	3.44164
Se 196.026	1.3167	ppb	4.8813	370.7	-0.4915	1.31674
Sn 189.925	1.6368	ppb	1.9099	116.7	-0.0486	1.63677
Sr 216.596	-0.2173	ppb	0.1809	83.3	6.2805	-0.21729
Ti 334.941	0.1569	ppb	0.0345	22.0	-50.3947	0.15692
Tl 190.794	5.5568	ppb	3.0537	55.0	2.5918	5.55677
V 292.401	0.0865	ppb	0.2342	270.7	6.2216	0.08651
Zn 206.200	-0.2962	ppb	0.2472	83.5	1.8843	-0.29620

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680-88518-a-2-b (Samp) 3/26/2013, 11:36:29 PM Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4578u	-1.4760u	-0.5512u
Al 308.215	37730.9	37286.3	37106.9
As 188.980	12.6753	14.5828	5.5500
B 249.678	-0.2485u	-2.7374u	-3.9508u
Ba 389.178	45.2367	45.0348	45.0264
Be 313.042	0.7154	0.7087	0.7045
Ca 370.602	3818	3804	3788
Cd 226.502	-0.4341	-0.6451	-0.5035
Co 228.615	2.4851	3.5526	3.4792
Cr 267.716	87.8230	86.7660	86.5226
Cu 324.754	35.1826	35.4277	34.7665
Fe 271.441	99164.1	98198.1	97593.6
K 766.491	950.268	945.956	943.825
Mg 279.078	976.786	968.022	964.886
Mn 257.610	227.903	225.374	224.152
Mo 202.032	4.3806	4.1039	3.8915
Na 330.237	-132.832u	87.2211u	-133.131u
Ni 231.604	10.5967	10.0972	9.1929
Pb 220.353	42.2056	42.1792	43.5508
Sb 206.834	1.5730	-4.6852u	7.1173
Se 196.026	-0.0442	-9.8013u	-5.9994u
Sn 189.925	15.7952	15.4400	15.4462
Sr 216.596	14.2062	13.6592	14.0699
Ti 334.941	631.510	623.990	621.850
Tl 190.794	11.5063	4.5839u	8.4309
V 292.401	280.358	277.684	276.367
Zn 206.200	68.5779	66.9175	65.0803

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8283	ppb	0.5629	68.0	-122.733
Al 308.215	37374.7	ppb	321.212	0.9	217896
As 188.980	10.9360	ppb	4.7609	43.5	5.3925
B 249.678	-2.3122	ppb	1.8874	81.6	81.7183
Ba 389.178	45.0993	ppb	0.1190	0.3	1234.98
Be 313.042	0.7095	ppb	0.0055	0.8	1174.36
Ca 370.602	3803	ppb	15.22	0.4	4412
Cd 226.502	-0.5276	ppb	0.1076	20.4	231.238
Co 228.615	3.1723	ppb	0.5963	18.8	62.9461
Cr 267.716	87.0372	ppb	0.6913	0.8	3823.34
Cu 324.754	35.1256	ppb	0.3343	1.0	1867.02
Fe 271.441	98318.6	ppb	792.169	0.8	167208
K 766.491	946.683	ppb	3.2826	0.3	47892.9
Mg 279.078	969.898	ppb	6.1679	0.6	2048.85
Mn 257.610	225.809	ppb	1.9130	0.8	52338.5
Mo 202.032	4.1253	ppb	0.2452	5.9	31.6141
Na 330.237	-59.5806	ppb	127.134	213.4	-38.0598
Ni 231.604	9.9623	ppb	0.7115	7.1	30.4120
Pb 220.353	42.6452	ppb	0.7844	1.8	72.9690
Sb 206.834	1.3350	ppb	5.9049	442.3	5.5603
Se 196.026	-5.2816	ppb	4.9180	93.1	-3.1102
Sn 189.925	15.5605	ppb	0.2033	1.3	10.7735
Sr 216.596	13.9785	ppb	0.2848	2.0	180.966
Ti 334.941	625.784	ppb	5.0737	0.8	165595
Tl 190.794	8.1737	ppb	3.4683	42.4	0.8050
V 292.401	278.136	ppb	2.0340	0.7	7830.75
Zn 206.200	66.8586	ppb	1.7495	2.6	106.640

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680-88518-a-3-b (Samp) 3/26/2013, 11:41:55 PM Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2246u	-0.6727u	-1.2643u
Al 308.215	45869.7	45651.4	45778.0
As 188.980	30.6396	34.4846	28.8947
B 249.678	-6.4720u	-7.3887u	-7.5605u
Ba 389.178	116.040	116.660	116.724
Be 313.042	1.2219	1.2147	1.2248
Ca 370.602	6450	6434	6454
Cd 226.502	-0.3503	-0.3125	-0.2612
Co 228.615	6.5918	6.3109	6.3502
Cr 267.716	91.6090	91.3110	91.4459
Cu 324.754	61.3018	61.1624	62.0446
Fe 271.441	101105	100871	101196
K 766.491	2199.49	2198.49	2212.94
Mg 279.078	2329.25	2323.88	2325.29
Mn 257.610	386.589	385.688	387.143
Mo 202.032	4.3853	5.4417	4.1388
Na 330.237	-223.153u	-46.5601u	64.9403u
Ni 231.604	20.6241	21.4240	20.7879
Pb 220.353	217.397	226.901	225.723
Sb 206.834	-6.5633u	2.0320	5.0459
Se 196.026	-4.1708u	-0.7452	11.1102
Sn 189.925	27.8521	19.7600	27.5744
Sr 216.596	37.7425	37.2669	37.1944
Ti 334.941	891.180	888.497	890.769
Tl 190.794	3.0255u	1.5255u	3.3086u
V 292.401	272.029	270.938	272.867
Zn 206.200	137.353	134.805	137.182

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0539	ppb	0.3307	31.4	-138.944
Al 308.215	45766.4	ppb	109.635	0.2	266761
As 188.980	31.3396	ppb	2.8599	9.1	18.0134
B 249.678	-7.1404	ppb	0.5852	8.2	33.5785
Ba 389.178	116.475	ppb	0.3774	0.3	3005.22
Be 313.042	1.2205	ppb	0.0052	0.4	2178.95
Ca 370.602	6446	ppb	10.39	0.2	12954
Cd 226.502	-0.3080	ppb	0.0447	14.5	246.188
Co 228.615	6.4177	ppb	0.1521	2.4	108.171
Cr 267.716	91.4553	ppb	0.1492	0.2	4018.03
Cu 324.754	61.5029	ppb	0.4743	0.8	3167.63
Fe 271.441	101057	ppb	167.779	0.2	171866
K 766.491	2203.64	ppb	8.0679	0.4	111209
Mg 279.078	2326.14	ppb	2.7826	0.1	4869.77
Mn 257.610	386.473	ppb	0.7345	0.2	89356.7
Mo 202.032	4.6553	ppb	0.6921	14.9	35.0161
Na 330.237	-68.2576	ppb	145.267	212.8	-41.9706
Ni 231.604	20.9453	ppb	0.4225	2.0	59.1956
Pb 220.353	223.340	ppb	5.1807	2.3	371.120
Sb 206.834	0.1715	ppb	6.0240	3511.8	4.5721
Se 196.026	2.0647	ppb	8.0187	388.4	0.5573
Sn 189.925	25.0622	ppb	4.5939	18.3	18.1601
Sr 216.596	37.4013	ppb	0.2977	0.8	410.213
Ti 334.941	890.149	ppb	1.4452	0.2	235589
Tl 190.794	2.6199	ppb	0.9582	36.6	-3.2685
V 292.401	271.945	ppb	0.9673	0.4	7660.55
Zn 206.200	136.447	ppb	1.4243	1.0	215.460

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680-88518-a-4-b (Samp) 3/26/2013, 11:47:20 PM Rack 2, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1149	-0.1506u	-0.5286u
Al 308.215	149539	149314	149741
As 188.980	3.6997	6.0464	17.9493
B 249.678	-3.8715u	-1.2739u	-1.9307u
Ba 389.178	275.814	273.857	276.225
Be 313.042	2.2864	2.2769	2.2960
Ca 370.602	4908	4904	4904
Cd 226.502	-1.0822	-0.7283	-0.6878
Co 228.615	9.8299	9.8226	10.6513
Cr 267.716	145.953	144.953	145.284
Cu 324.754	69.6463	67.9942	69.0838
Fe 271.441	165426	165161	165590
K 766.491	8228.80	8228.47	8266.62
Mg 279.078	5420.06	5405.79	5418.99
Mn 257.610	445.307	444.113	445.096
Mo 202.032	2.9443	2.4650	4.0744
Na 330.237	333.215u	95.1693u	71.6123u
Ni 231.604	40.5998	36.8359	37.3561
Pb 220.353	79.7509	84.3745	81.6732
Sb 206.834	-5.7378u	-0.1835	-4.2870
Se 196.026	-1.2446	-1.9728	-2.8422u
Sn 189.925	18.9112	15.2431	20.2478
Sr 216.596	40.7988	41.4494	40.6647
Ti 334.941	3031.42	3022.41	3029.72
Tl 190.794	17.1544	8.7899u	11.4731
V 292.401	415.029	415.057	414.529
Zn 206.200	139.681	145.815	144.276

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1881	ppb	0.3233	171.9	-76.8839
Al 308.215	149531	ppb	213.980	0.1	870987
As 188.980	9.2318	ppb	7.6402	82.8	3.6667
B 249.678	-2.3587	ppb	1.3506	57.3	18.4005
Ba 389.178	275.299	ppb	1.2656	0.5	7032.61
Be 313.042	2.2864	ppb	0.0096	0.4	4274.57
Ca 370.602	4906	ppb	2.218	0.0	2897
Cd 226.502	-0.8327	ppb	0.2170	26.1	383.488
Co 228.615	10.1013	ppb	0.4764	4.7	207.714
Cr 267.716	145.397	ppb	0.5094	0.4	6390.43
Cu 324.754	68.9081	ppb	0.8399	1.2	3549.75
Fe 271.441	165392	ppb	216.385	0.1	281276
K 766.491	8241.30	ppb	21.9312	0.3	415343
Mg 279.078	5414.95	ppb	7.9511	0.1	11284.6
Mn 257.610	444.839	ppb	0.6373	0.1	102991
Mo 202.032	3.1612	ppb	0.8264	26.1	21.9135
Na 330.237	166.665	ppb	144.716	86.8	-66.3197
Ni 231.604	38.2639	ppb	2.0395	5.3	105.852
Pb 220.353	81.9329	ppb	2.3227	2.8	134.540
Sb 206.834	-3.4028	ppb	2.8808	84.7	3.1337
Se 196.026	-2.0199	ppb	0.7998	39.6	-1.0633
Sn 189.925	18.1340	ppb	2.5913	14.3	12.7729
Sr 216.596	40.9710	ppb	0.4197	1.0	468.396
Ti 334.941	3027.85	ppb	4.7856	0.2	801549
Tl 190.794	12.4725	ppb	4.2709	34.2	1.2334
V 292.401	414.872	ppb	0.2973	0.1	11712.4
Zn 206.200	143.257	ppb	3.1913	2.3	225.942

680-88518-a-5-b (Samp) 3/26/2013, 11:52:46 PM Rack 2, Tube 42
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0410u	-1.5009u	-1.7224u
Al 308.215	130399	130478	130063
As 188.980	4.3508	5.4580	7.9893
B 249.678	-5.7867u	-8.3095u	-6.0498u
Ba 389.178	221.664	222.070	219.038
Be 313.042	2.1170	2.1110	2.1103
Ca 370.602	4010	4020	4018
Cd 226.502	-0.3528	-0.2046	-0.1820
Co 228.615	9.3803	9.3508	8.6428
Cr 267.716	108.227	108.778	108.106
Cu 324.754	55.1088	56.0808	56.3650
Fe 271.441	109961	110145	109658
K 766.491	5514.66	5531.61	5517.23
Mg 279.078	3960.11	3948.87	3950.45
Mn 257.610	305.231	306.046	304.605
Mo 202.032	2.6967	3.2924	1.8808
Na 330.237	19.4146u	267.700u	327.140u
Ni 231.604	34.7272	32.1856	32.4616
Pb 220.353	76.7089	76.7764	79.5760
Sb 206.834	6.8084	9.8601	-1.9588
Se 196.026	4.8701	-1.8125u	-5.8362u
Sn 189.925	16.2406	20.8528	22.1908
Sr 216.596	33.9390	34.0021	34.5390
Ti 334.941	2471.47	2479.26	2466.81
Tl 190.794	6.0594	3.0376u	-3.9677u
V 292.401	363.617	365.812	364.263
Zn 206.200	106.792	105.768	102.524

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4214	ppb	0.3476	24.5	-164.119
Al 308.215	130313	ppb	220.227	0.2	759082
As 188.980	5.9327	ppb	1.8651	31.4	2.1802
B 249.678	-6.7153	ppb	1.3869	20.7	29.2795
Ba 389.178	220.924	ppb	1.6460	0.7	5602.30
Be 313.042	2.1128	ppb	0.0037	0.2	3934.61
Ca 370.602	4016	ppb	5.136	0.1	4506
Cd 226.502	-0.2465	ppb	0.0927	37.6	270.164
Co 228.615	9.1246	ppb	0.4176	4.6	182.891
Cr 267.716	108.370	ppb	0.3580	0.3	4760.84
Cu 324.754	55.8515	ppb	0.6587	1.2	2890.76
Fe 271.441	109921	ppb	245.724	0.2	186941
K 766.491	5521.17	ppb	9.1396	0.2	278322
Mg 279.078	3953.14	ppb	6.0848	0.2	8237.24
Mn 257.610	305.294	ppb	0.7224	0.2	70693.0
Mo 202.032	2.6233	ppb	0.7086	27.0	20.9653
Na 330.237	204.752	ppb	163.235	79.7	-42.9901
Ni 231.604	33.1248	ppb	1.3946	4.2	91.2628
Pb 220.353	77.6871	ppb	1.6361	2.1	128.154
Sb 206.834	4.9032	ppb	6.1354	125.1	9.3638
Se 196.026	-0.9262	ppb	5.4079	583.9	-0.8818
Sn 189.925	19.7614	ppb	3.1217	15.8	14.0387
Sr 216.596	34.1600	ppb	0.3297	1.0	381.568
Ti 334.941	2472.51	ppb	6.2913	0.3	654515
Tl 190.794	1.7098	ppb	5.1437	300.8	-4.0884
V 292.401	364.564	ppb	1.1280	0.3	10290.7
Zn 206.200	105.028	ppb	2.2279	2.1	166.269

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680-88518-a-6-b (Samp) 3/26/2013, 11:58:11 PM Rack 2, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1851u	-1.3909u	-0.7825u
Al 308.215	42770.3	42698.6	42839.3
As 188.980	12.6927	10.1074	20.3930
B 249.678	-19.2795u	-19.1480u	-21.1280u
Ba 389.178	61.1093	60.8599	60.7562
Be 313.042	1.3045	1.3030	1.3028
Ca 370.602	3761	3773	3784
Cd 226.502	-0.6580	-0.2653	-0.8230
Co 228.615	3.3052	2.7419	3.5954
Cr 267.716	159.761	159.124	159.282
Cu 324.754	35.0688	35.9354	37.3846
Fe 271.441	116995	116832	117061
K 766.491	697.473	697.605	700.718
Mg 279.078	730.908	722.116	726.457
Mn 257.610	493.964	492.688	493.763
Mo 202.032	3.5358	3.8228	4.1298
Na 330.237	281.887u	315.702u	-18.1808u
Ni 231.604	6.4023	7.7395	7.9719
Pb 220.353	60.6526	59.7803	60.1927
Sb 206.834	1.7609	-0.1957	1.0052
Se 196.026	-4.4706u	2.7892	-0.2854
Sn 189.925	18.4390	18.9872	15.3212
Sr 216.596	12.3772	10.7639	11.6968
Ti 334.941	853.284	852.088	849.394
Tl 190.794	7.7402	3.6093u	2.7039u
V 292.401	347.022	347.453	348.196
Zn 206.200	46.6169	47.4393	46.2341

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1195	ppb	0.3095	27.6	-141.628
Al 308.215	42769.4	ppb	70.3129	0.2	249308
As 188.980	14.3977	ppb	5.3506	37.2	7.3455
B 249.678	-19.8518	ppb	1.1071	5.6	-101.324
Ba 389.178	60.9085	ppb	0.1815	0.3	1652.87
Be 313.042	1.3035	ppb	0.0009	0.1	2337.69
Ca 370.602	3773	ppb	11.49	0.3	2799
Cd 226.502	-0.5821	ppb	0.2865	49.2	274.653
Co 228.615	3.2142	ppb	0.4340	13.5	69.2463
Cr 267.716	159.389	ppb	0.3319	0.2	6986.85
Cu 324.754	36.1296	ppb	1.1700	3.2	1921.23
Fe 271.441	116963	ppb	117.572	0.1	198915
K 766.491	698.598	ppb	1.8365	0.3	35396.1
Mg 279.078	726.494	ppb	4.3960	0.6	1539.27
Mn 257.610	493.472	ppb	0.6862	0.1	114034
Mo 202.032	3.8295	ppb	0.2970	7.8	28.6797
Na 330.237	193.136	ppb	183.785	95.2	-32.2777
Ni 231.604	7.3712	ppb	0.8472	11.5	24.0210
Pb 220.353	60.2085	ppb	0.4364	0.7	101.807
Sb 206.834	0.8568	ppb	0.9867	115.2	6.1869
Se 196.026	-0.6556	ppb	3.6440	555.8	-0.6618
Sn 189.925	17.5825	ppb	1.9774	11.2	12.3449
Sr 216.596	11.6126	ppb	0.8099	7.0	164.826
Ti 334.941	851.589	ppb	1.9925	0.2	225375
Tl 190.794	4.6845	ppb	2.6848	57.3	-2.4912
V 292.401	347.557	ppb	0.5941	0.2	9782.37
Zn 206.200	46.7634	ppb	0.6158	1.3	74.9848

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88518-a-7-b (Samp) 3/27/2013, 12:03:37 AM Rack 2, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9093u	-1.1296u	-0.6704u
Al 308.215	26620.8	26549.4	26671.7
As 188.980	14.0567	20.9544	18.3276
B 249.678	-16.7081u	-17.7460u	-18.1483u
Ba 389.178	43.8623	43.9039	43.6133
Be 313.042	0.5427	0.5290	0.5221
Ca 370.602	1939	1945	1958
Cd 226.502	-0.3902	-0.3217	-0.2114
Co 228.615	2.5014	2.1181	3.4197
Cr 267.716	63.1532	63.3364	62.9043
Cu 324.754	20.0779	20.2788	19.8658
Fe 271.441	60419.8	60184.7	60424.2
K 766.491	725.696	726.255	726.939
Mg 279.078	765.105	755.398	768.188
Mn 257.610	251.769	251.363	252.147
Mo 202.032	3.3004	3.7668	3.9914
Na 330.237	244.628u	75.3494u	-30.4152u
Ni 231.604	5.5012	5.1700	3.8936
Pb 220.353	33.3839	25.0630	29.7002
Sb 206.834	2.3686	-4.5555u	-0.2232
Se 196.026	12.3405	5.5955	1.7121
Sn 189.925	15.0531	16.0678	15.3379
Sr 216.596	8.0882	7.9841	7.4128
Ti 334.941	472.023	470.774	470.726
Tl 190.794	7.1423	4.5326	1.8879u
V 292.401	177.847	177.384	177.868
Zn 206.200	35.5777	34.1079	34.8902

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9031	ppb	0.2297	25.4	-128.115
Al 308.215	26614.0	ppb	61.4427	0.2	155238
As 188.980	17.7796	ppb	3.4814	19.6	9.9971
B 249.678	-17.5341	ppb	0.7431	4.2	-26.3499
Ba 389.178	43.7932	ppb	0.1571	0.4	1144.72
Be 313.042	0.5313	ppb	0.0105	2.0	827.099
Ca 370.602	1947	ppb	9.946	0.5	1451
Cd 226.502	-0.3078	ppb	0.0902	29.3	146.792
Co 228.615	2.6797	ppb	0.6689	25.0	54.2055
Cr 267.716	63.1313	ppb	0.2169	0.3	2772.17
Cu 324.754	20.0742	ppb	0.2065	1.0	1115.32
Fe 271.441	60342.9	ppb	137.047	0.2	102625
K 766.491	726.297	ppb	0.6228	0.1	36791.4
Mg 279.078	762.897	ppb	6.6750	0.9	1613.60
Mn 257.610	251.760	ppb	0.3918	0.2	58210.7
Mo 202.032	3.6862	ppb	0.3525	9.6	30.6089
Na 330.237	96.5207	ppb	138.738	143.7	-17.1545
Ni 231.604	4.8549	ppb	0.8489	17.5	16.2688
Pb 220.353	29.3824	ppb	4.1696	14.2	51.3495
Sb 206.834	-0.8033	ppb	3.4983	435.5	2.5357
Se 196.026	6.5494	ppb	5.3781	82.1	2.4929
Sn 189.925	15.4863	ppb	0.5234	3.4	10.7160
Sr 216.596	7.8284	ppb	0.3636	4.6	106.920
Ti 334.941	471.174	ppb	0.7350	0.2	124658
Tl 190.794	4.5209	ppb	2.6272	58.1	-0.4299
V 292.401	177.700	ppb	0.2735	0.2	5004.77
Zn 206.200	34.8586	ppb	0.7354	2.1	56.6669

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680-88518-a-8-b (Samp) **3/27/2013, 12:09:02 AM** **Rack 2, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1546u	-1.3120u	-1.7355u
Al 308.215	91392.9	91452.1	91439.8
As 188.980	22.6159	21.1950	18.5026
B 249.678	-22.1413u	-21.9979u	-21.6435u
Ba 389.178	271.364	272.404	271.700
Be 313.042	1.3823	1.3848	1.3794
Ca 370.602	56550	56475	56390
Cd 226.502	-0.5082	-0.5351	-0.4345
Co 228.615	12.2194	12.3117	12.2591
Cr 267.716	147.014	146.397	146.160
Cu 324.754	69.5084	69.0945	69.1527
Fe 271.441	142264	142228	142201
K 766.491	11800.3	11860.9	11795.6
Mg 279.078	9168.90	9177.52	9156.61
Mn 257.610	906.187	906.497	906.300
Mo 202.032	5.1601	4.8479	5.1744
Na 330.237	491.068u	612.317u	519.632u
Ni 231.604	32.2367	34.1672	37.5293
Pb 220.353	47.1104	46.3082	41.3542
Sb 206.834	-4.5150	11.2011	-2.4579
Se 196.026	-9.1509u	1.7908	-0.4721
Sn 189.925	17.1808	21.9461	8.6052
Sr 216.596	103.486	102.373	101.780
Ti 334.941	1751.91	1749.45	1741.71
Tl 190.794	10.6068	5.3312u	11.5918
V 292.401	355.664	356.671	355.746
Zn 206.200	140.414	138.269	138.970

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4007	ppb	0.3004	21.4	-163.646
Al 308.215	91428.2	ppb	31.2436	0.0	532652
As 188.980	20.7712	ppb	2.0891	10.1	11.4791
B 249.678	-21.9275	ppb	0.2562	1.2	-144.584
Ba 389.178	271.822	ppb	0.5308	0.2	6922.23
Be 313.042	1.3821	ppb	0.0027	0.2	2514.09
Ca 370.602	56471	ppb	80.22	0.1	174653
Cd 226.502	-0.4926	ppb	0.0521	10.6	339.758
Co 228.615	12.2634	ppb	0.0463	0.4	199.164
Cr 267.716	146.523	ppb	0.4408	0.3	6434.19
Cu 324.754	69.2519	ppb	0.2240	0.3	3560.60
Fe 271.441	142231	ppb	31.5456	0.0	241888
K 766.491	11818.9	ppb	36.4449	0.3	595559
Mg 279.078	9167.68	ppb	10.5094	0.1	19108.3
Mn 257.610	906.328	ppb	0.1572	0.0	209237
Mo 202.032	5.0608	ppb	0.1846	3.6	35.6812
Na 330.237	541.006	ppb	63.3874	11.7	-29.8092
Ni 231.604	34.6444	ppb	2.6784	7.7	95.8871
Pb 220.353	44.9243	ppb	3.1177	6.9	75.2708
Sb 206.834	1.4094	ppb	8.5420	606.1	7.1111
Se 196.026	-2.6107	ppb	5.7758	221.2	-1.3754
Sn 189.925	15.9107	ppb	6.7605	42.5	11.0656
Sr 216.596	102.546	ppb	0.8657	0.8	1064.46
Ti 334.941	1747.69	ppb	5.3242	0.3	462650
Tl 190.794	9.1766	ppb	3.3665	36.7	-0.7006
V 292.401	356.027	ppb	0.5591	0.2	10036.1
Zn 206.200	139.218	ppb	1.0939	0.8	219.621

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680-88527-b-5-d (Samp) 3/27/2013, 12:14:28 AM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0850u	-1.2278u	-1.5277u
Al 308.215	107595	107744	107769
As 188.980	214.167	214.112	204.399
B 249.678	-12.8561u	-11.5469u	-11.7743u
Ba 389.178	2101.29	2104.75	2098.44
Be 313.042	14.3973	14.3884	14.3558
Ca 370.602	107723	107470	107496
Cd 226.502	15.2826	16.0833	15.6087
Co 228.615	131.150	130.713	131.370
Cr 267.716	403.813	402.813	403.314
Cu 324.754	547.119	559.857	547.359
Fe 271.441	407278	408180	407699
K 766.491	9124.32	9151.17	9076.76
Mg 279.078	27263.8	27234.7	27241.3
Mn 257.610	18496.9	18584.9	18499.7
Mo 202.032	13.9871	14.3511	15.3960
Na 330.237	589.920u	511.346u	391.906u
Ni 231.604	119.121	123.227	122.210
Pb 220.353	1937.93	1939.72	1938.37
Sb 206.834	5.7322	-4.2623	2.0318
Se 196.026	-5.4149	7.8861	11.1123
Sn 189.925	84.9775	83.5722	82.7035
Sr 216.596	272.485	270.153	269.901
Ti 334.941	1098.40	1094.23	1094.53
Tl 190.794	83.3033	65.7422	72.3003
V 292.401	611.213	612.451	609.847
Zn 206.200	3298.89	3305.01	3307.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2802	ppb	0.2259	17.6	-87.0278
Al 308.215	107702	ppb	94.2612	0.1	627413
As 188.980	210.893	ppb	5.6238	2.7	126.870
B 249.678	-12.0591	ppb	0.6995	5.8	-300.342
Ba 389.178	2101.50	ppb	3.1612	0.2	52550.0
Be 313.042	14.3805	ppb	0.0219	0.2	28027.0
Ca 370.602	107563	ppb	139.2	0.1	321233
Cd 226.502	15.6582	ppb	0.4026	2.6	1594.91
Co 228.615	131.078	ppb	0.3347	0.3	1568.67
Cr 267.716	403.314	ppb	0.5000	0.1	17767.0
Cu 324.754	551.445	ppb	7.2862	1.3	27395.5
Fe 271.441	407719	ppb	451.097	0.1	693399
K 766.491	9117.42	ppb	37.6799	0.4	459475
Mg 279.078	27246.6	ppb	15.2655	0.1	56536.4
Mn 257.610	18527.2	ppb	50.0323	0.3	4268386
Mo 202.032	14.5781	ppb	0.7313	5.0	86.2723
Na 330.237	497.724	ppb	99.7075	20.0	-130.113
Ni 231.604	121.519	ppb	2.1384	1.8	328.564
Pb 220.353	1938.67	ppb	0.9310	0.0	3206.57
Sb 206.834	1.1672	ppb	5.0530	432.9	14.8966
Se 196.026	4.5279	ppb	8.7605	193.5	7.9897
Sn 189.925	83.7511	ppb	1.1475	1.4	63.8116
Sr 216.596	270.846	ppb	1.4245	0.5	2805.07
Ti 334.941	1095.72	ppb	2.3235	0.2	290153
Tl 190.794	73.7819	ppb	8.8738	12.0	16.8055
V 292.401	611.170	ppb	1.3026	0.2	17183.2
Zn 206.200	3303.81	ppb	4.4398	0.1	5168.15

680-88527-b-5-dSD^5 (Samp) 3/27/2013, 12:19:54 AM Rack 2, Tube 47
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0770	-0.0618	-0.3935u
Al 308.215	20120.1	20176.4	20212.4
As 188.980	40.2496	38.3475	34.5437
B 249.678	-14.9917u	-15.4020u	-14.7214u
Ba 389.178	398.509	398.224	400.243
Be 313.042	2.7044	2.7209	2.7023
Ca 370.602	20188	20164	20248
Cd 226.502	2.6907	2.6606	2.9962
Co 228.615	25.1806	25.7288	24.8372
Cr 267.716	76.9169	77.0170	77.3435
Cu 324.754	100.201	101.933	101.644
Fe 271.441	79051.0	79410.2	79498.8
K 766.491	1523.77	1526.26	1520.03
Mg 279.078	5169.85	5184.80	5210.84
Mn 257.610	3607.41	3622.66	3628.54
Mo 202.032	3.0567	3.1869	2.3682
Na 330.237	71.3051u	117.231u	98.6848u
Ni 231.604	22.1511	22.3535	23.8320
Pb 220.353	375.364	371.927	375.873
Sb 206.834	-8.6118u	-4.1445u	0.7266
Se 196.026	-0.5554	-2.9402u	-1.6811
Sn 189.925	17.0066	13.2812	17.5461
Sr 216.596	51.9699	51.5604	51.4419
Ti 334.941	207.840	207.938	208.515
Tl 190.794	10.1395	12.8067	18.6788
V 292.401	116.415	116.411	116.147
Zn 206.200	625.493	634.890	631.893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1261	ppb	0.2418	191.8	-61.4988
Al 308.215	20169.6	ppb	46.4983	0.2	117713
As 188.980	37.7136	ppb	2.9053	7.7	22.2961
B 249.678	-15.0384	ppb	0.3427	2.3	-20.5597
Ba 389.178	398.992	ppb	1.0927	0.3	9955.77
Be 313.042	2.7092	ppb	0.0102	0.4	5109.04
Ca 370.602	20200	ppb	43.32	0.2	60096
Cd 226.502	2.7825	ppb	0.1857	6.7	309.269
Co 228.615	25.2489	ppb	0.4497	1.8	311.655
Cr 267.716	77.0925	ppb	0.2231	0.3	3398.87
Cu 324.754	101.259	ppb	0.9281	0.9	5121.79
Fe 271.441	79320.0	ppb	237.119	0.3	134901
K 766.491	1523.35	ppb	3.1369	0.2	76941.3
Mg 279.078	5188.50	ppb	20.7443	0.4	10785.6
Mn 257.610	3619.53	ppb	10.9078	0.3	833933
Mo 202.032	2.8706	ppb	0.4399	15.3	24.4369
Na 330.237	95.7405	ppb	23.1043	24.1	-25.2485
Ni 231.604	22.7789	ppb	0.9177	4.0	63.5339
Pb 220.353	374.388	ppb	2.1465	0.6	622.100
Sb 206.834	-4.0099	ppb	4.6706	116.5	0.1112
Se 196.026	-1.7256	ppb	1.1930	69.1	-0.6414
Sn 189.925	15.9446	ppb	2.3223	14.6	11.0790
Sr 216.596	51.6574	ppb	0.2770	0.5	542.355
Ti 334.941	208.097	ppb	0.3647	0.2	55031.3
Tl 190.794	13.8750	ppb	4.3687	31.5	1.9398
V 292.401	116.324	ppb	0.1535	0.1	3273.63
Zn 206.200	630.759	ppb	4.8004	0.8	988.595

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88527-b-5-dPDS (Samp) **3/27/2013, 12:25:20 AM** **Rack 2, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	56.0958	56.9103	56.3705
Al 308.215	107188	107304	107285
As 188.980	2644.21	2655.80	2639.24
B 249.678	1143.54	1150.09	1156.59
Ba 389.178	4280.94	4288.51	4287.54
Be 313.042	70.0564	70.1963	70.2080
Ca 370.602	110072	110240	110364
Cd 226.502	69.1550	69.3777	69.0460
Co 228.615	688.804	683.027	676.440
Cr 267.716	604.275	606.524	607.257
Cu 324.754	837.833	829.903	822.562
Fe 271.441	397894	398458	397655
K 766.491	15154.7	15121.2	15061.4
Mg 279.078	32133.8	32269.9	32274.5
Mn 257.610	18527.6	18609.0	18555.0
Mo 202.032	566.396	567.356	569.591
Na 330.237	6025.87	6373.36	6348.27
Ni 231.604	671.944	666.527	673.377
Pb 220.353	2421.87	2440.14	2439.19
Sb 206.834	548.336	544.803	552.552
Se 196.026	2275.22	2286.92	2264.64
Sn 189.925	1212.27	1222.43	1215.09
Sr 216.596	809.481	809.698	814.258
Ti 334.941	2110.66	2111.92	2118.13
Tl 190.794	2244.52	2240.04	2260.65
V 292.401	1153.50	1155.11	1153.86
Zn 206.200	3746.73	3766.97	3748.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.4589	ppb	0.4144	0.7	3955.13
Al 308.215	107259	ppb	62.6967	0.1	624898
As 188.980	2646.41	ppb	8.4963	0.3	1634.04
B 249.678	1150.07	ppb	6.5279	0.6	10679.0
Ba 389.178	4285.66	ppb	4.1211	0.1	106484
Be 313.042	70.1535	ppb	0.0843	0.1	137395
Ca 370.602	110225	ppb	146.6	0.1	331030
Cd 226.502	69.1929	ppb	0.1690	0.2	3583.83
Co 228.615	682.757	ppb	6.1862	0.9	8059.32
Cr 267.716	606.019	ppb	1.5540	0.3	26611.2
Cu 324.754	830.099	ppb	7.6375	0.9	41133.2
Fe 271.441	398002	ppb	412.158	0.1	676963
K 766.491	15112.4	ppb	47.2559	0.3	761460
Mg 279.078	32226.1	ppb	79.9620	0.2	66908.0
Mn 257.610	18563.9	ppb	41.4285	0.2	4276835
Mo 202.032	567.781	ppb	1.6394	0.3	3756.91
Na 330.237	6249.16	ppb	193.789	3.1	158.035
Ni 231.604	670.616	ppb	3.6132	0.5	1764.43
Pb 220.353	2433.73	ppb	10.2870	0.4	4022.68
Sb 206.834	548.564	ppb	3.8797	0.7	520.733
Se 196.026	2275.59	ppb	11.1400	0.5	1124.64
Sn 189.925	1216.59	ppb	5.2452	0.4	944.365
Sr 216.596	811.146	ppb	2.6977	0.3	8038.53
Ti 334.941	2113.57	ppb	3.9997	0.2	559639
Tl 190.794	2248.40	ppb	10.8375	0.5	1511.14
V 292.401	1154.16	ppb	0.8432	0.1	32347.2
Zn 206.200	3754.13	ppb	11.1636	0.3	5871.80

Cont Calib Verif (CCV) 3/27/2013, 12:30:46 AM Rack 2, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	494.728	505.682	507.030
Al 308.215	4935.75	4997.87	4997.47
As 188.980	462.163	467.465	465.377
B 249.678	2482.02	2528.56	2539.41
Ba 389.178	4919.71	4982.26	4977.97
Be 313.042	487.664	493.248	493.583
Ca 370.602	4859	4919	4942
Cd 226.502	477.404	483.437	482.767
Co 228.615	492.621	498.464	498.734
Cr 267.716	4689.00	4750.33	4766.50
Cu 324.754	4812.31	4927.77	4887.59
Fe 271.441	4928.96	4994.60	4994.89
K 766.491	10210.5	9877.48	9871.11
Mg 279.078	4847.64	4914.66	4902.97
Mn 257.610	4899.79	4965.83	4956.24
Mo 202.032	471.543	479.556	481.661
Na 330.237	7418.49	7325.00	7634.61
Ni 231.604	2441.16	2480.97	2469.10
Pb 220.353	476.794	485.712	481.984
Sb 206.834	917.912	921.234	930.463
Se 196.026	4830.90	4882.32	4894.82
Sn 189.925	4903.87	4983.40	5027.37
Sr 216.596	2374.61	2404.92	2414.35
Ti 334.941	479.089	485.155	486.236
Tl 190.794	4822.91	4876.48	4877.73
V 292.401	4903.43	4951.60	4942.34
Zn 206.200	2416.36	2459.65	2456.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.480	ppb	6.7471	1.3	35232.4	100.49599
Al 308.215	4977.03	ppb	35.7491	0.7	29223.0	99.54063
As 188.980	465.002	ppb	2.6710	0.6	287.214	93.00033
B 249.678	2516.66	ppb	30.4900	1.2	23947.8	100.66654
Ba 389.178	4959.98	ppb	34.9381	0.7	122474	99.19961
Be 313.042	491.498	ppb	3.3253	0.7	964320	98.29970
Ca 370.602	4907	ppb	42.64	0.9	16039	98.13221
Cd 226.502	481.203	ppb	3.3069	0.7	18112.9	96.24058
Co 228.615	496.606	ppb	3.4540	0.7	5855.37	99.32124
Cr 267.716	4735.27	ppb	40.8850	0.9	206702	94.70547
Cu 324.754	4875.89	ppb	58.6086	1.2	240335	97.51776
Fe 271.441	4972.82	ppb	37.9807	0.8	8581.76	99.45632
K 766.491	9986.35	ppb	194.118	1.9	503246	99.86355
Mg 279.078	4888.42	ppb	35.8005	0.7	10130.8	97.76849
Mn 257.610	4940.62	ppb	35.6861	0.7	1137993	98.81240
Mo 202.032	477.586	ppb	5.3387	1.1	3169.82	95.51728
Na 330.237	7459.37	ppb	158.798	2.1	361.297	99.45825
Ni 231.604	2463.74	ppb	20.4390	0.8	6445.91	98.54962
Pb 220.353	481.496	ppb	4.4792	0.9	798.604	96.29930
Sb 206.834	923.203	ppb	6.5029	0.7	905.266	92.32030
Se 196.026	4869.35	ppb	33.8766	0.7	2394.38	97.38700
Sn 189.925	4971.55	ppb	62.5955	1.3	3863.03	99.43098
Sr 216.596	2397.96	ppb	20.7599	0.9	23318.0	95.91841
Ti 334.941	483.493	ppb	3.8521	0.8	127929	96.69868
Tl 190.794	4859.04	ppb	31.2986	0.6	3333.20	97.18079
V 292.401	4932.46	ppb	25.5613	0.5	138343	98.64912
Zn 206.200	2444.30	ppb	24.2369	1.0	3810.39	97.77205

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Blank (CCB) 3/27/2013, 12:36:12 AM Rack 2, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3148	-0.4255u	-1.0282u
Al 308.215	-7.5260u	-3.1481u	-3.6108u
As 188.980	5.3573	-2.7162u	-4.4406u
B 249.678	52.4793	46.1907	41.7410
Ba 389.178	0.9933	-0.3625u	0.2923
Be 313.042	-0.0132u	-0.0104u	-0.0155u
Ca 370.602	0.8720	-2.438u	1.915
Cd 226.502	-0.0738u	-0.1054u	0.0504
Co 228.615	0.0056	0.7915	0.5043
Cr 267.716	-0.3130u	-0.0423u	-0.2238u
Cu 324.754	-0.3336u	-0.2854u	-0.8594u
Fe 271.441	10.3082	3.8738	0.9616
K 766.491	0.0908	0.0773	-0.1440u
Mg 279.078	-0.0983u	-1.4612u	-0.9350u
Mn 257.610	-0.0048u	0.0233	0.0486
Mo 202.032	0.6283	0.1631	0.1111
Na 330.237	-150.968u	51.6951	-42.8135u
Ni 231.604	-1.4273u	-0.8598u	-1.5368u
Pb 220.353	-1.8138u	-2.2475u	1.9806
Sb 206.834	4.5341	5.0245	-3.3567u
Se 196.026	5.1467	-2.8714u	-3.5770u
Sn 189.925	4.0367	-0.9100u	-2.7718u
Sr 216.596	0.5689	-0.6759u	1.0304
Ti 334.941	0.1751	0.2259	0.2349
Tl 190.794	-0.3880u	3.1889	-0.1881u
V 292.401	0.0620	-0.3173u	-0.2954u
Zn 206.200	-0.2042u	-1.3855u	-0.5141u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3796	ppb	0.6727	177.2	-92.9065	-0.37963
Al 308.215	-4.7616	ppb	2.4052	50.5	237.719	-4.76164
As 188.980	-0.5998	ppb	5.2306	872.0	-0.7805	-0.59981
B 249.678	46.8037	ppb	5.3953	11.5	637.566	46.80368
Ba 389.178	0.3077	ppb	0.6780	220.3	-22.4263	0.30771
Be 313.042	-0.0130	ppb	0.0026	19.8	-236.247	-0.01304
Ca 370.602	0.1161	ppb	2.273	1957.4	-5.926	0.11611
Cd 226.502	-0.0429	ppb	0.0824	191.8	9.4883	-0.04294
Co 228.615	0.4338	ppb	0.3977	91.7	16.9680	0.43378
Cr 267.716	-0.1930	ppb	0.1380	71.5	-5.7717	-0.19304
Cu 324.754	-0.4928	ppb	0.3184	64.6	85.9985	-0.49276
Fe 271.441	5.0479	ppb	4.7826	94.7	12.1984	5.04787
K 766.491	0.0081	ppb	0.1319	1637.6	206.220	0.00805
Mg 279.078	-0.8315	ppb	0.6873	82.7	23.6059	-0.83151
Mn 257.610	0.0224	ppb	0.0267	119.5	63.8771	0.02235
Mo 202.032	0.3008	ppb	0.2848	94.7	11.2074	0.30083
Na 330.237	-47.3621	ppb	101.408	214.1	-2.4478	-47.36211
Ni 231.604	-1.2747	ppb	0.3634	28.5	-1.0137	-1.27466
Pb 220.353	-0.6935	ppb	2.3260	335.4	2.3741	-0.69355
Sb 206.834	2.0673	ppb	4.7037	227.5	3.3883	2.06731
Se 196.026	-0.4339	ppb	4.8458	1116.9	-1.3527	-0.43387
Sn 189.925	0.1183	ppb	3.5188	2973.9	-1.2290	0.11832
Sr 216.596	0.3078	ppb	0.8826	286.8	11.4111	0.30778
Ti 334.941	0.2120	ppb	0.0322	15.2	-35.7926	0.21199
Tl 190.794	0.8709	ppb	2.0099	230.8	-0.6252	0.87094
V 292.401	-0.1836	ppb	0.2130	116.0	-1.2820	-0.18357
Zn 206.200	-0.7013	ppb	0.6125	87.3	81.2510	-0.70127

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680-88527-b-5-e ms (Samp) 3/27/2013, 12:41:37 AM Rack 2, Tube 51
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	14.5087	13.9222	14.4667
Al 308.215	130367	130489	129920
As 188.980	288.634	277.211	284.861
B 249.678	223.179	222.674	223.099
Ba 389.178	1949.83	1952.85	1945.77
Be 313.042	66.7701	66.9685	66.8466
Ca 370.602	210244	212240	210817
Cd 226.502	62.4830	62.5881	62.3144
Co 228.615	129.532	130.805	128.730
Cr 267.716	445.707	447.716	445.444
Cu 324.754	636.863	645.919	636.793
Fe 271.441	316434	316592	315410
K 766.491	23196.9	23136.2	23065.0
Mg 279.078	56055.7	56254.5	56058.3
Mn 257.610	14424.8	14422.2	14373.9
Mo 202.032	103.162	102.571	103.654
Na 330.237	6166.60	6304.42	6400.26
Ni 231.604	208.010	213.725	212.453
Pb 220.353	1732.07	1748.09	1748.15
Sb 206.834	16.7808	34.9340	30.0383
Se 196.026	95.7771	90.7231	91.9936
Sn 189.925	265.969	254.913	262.069
Sr 216.596	568.346	572.758	575.380
Ti 334.941	1308.26	1314.50	1313.22
Tl 190.794	83.5736	86.2110	84.3676
V 292.401	547.554	548.325	545.661
Zn 206.200	3206.62	3211.50	3213.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.2992	ppb	0.3271	2.3	978.014
Al 308.215	130259	ppb	299.596	0.2	758772
As 188.980	283.568	ppb	5.8202	2.1	173.621
B 249.678	222.984	ppb	0.2715	0.1	2004.24
Ba 389.178	1949.48	ppb	3.5530	0.2	48739.4
Be 313.042	66.8617	ppb	0.1001	0.1	131074
Ca 370.602	211101	ppb	1028	0.5	670273
Cd 226.502	62.4618	ppb	0.1381	0.2	3131.39
Co 228.615	129.689	ppb	1.0464	0.8	1558.31
Cr 267.716	446.289	ppb	1.2427	0.3	19608.3
Cu 324.754	639.858	ppb	5.2486	0.8	31728.5
Fe 271.441	316146	ppb	641.761	0.2	537668
K 766.491	23132.7	ppb	65.9878	0.3	1165462
Mg 279.078	56122.9	ppb	114.035	0.2	116736
Mn 257.610	14407.0	ppb	28.6533	0.2	3319355
Mo 202.032	103.129	ppb	0.5424	0.5	678.202
Na 330.237	6290.43	ppb	117.459	1.9	195.281
Ni 231.604	211.396	ppb	3.0001	1.4	561.746
Pb 220.353	1742.77	ppb	9.2646	0.5	2881.52
Sb 206.834	27.2510	ppb	9.3920	34.5	36.9567
Se 196.026	92.8312	ppb	2.6291	2.8	49.8696
Sn 189.925	260.984	ppb	5.6069	2.1	201.618
Sr 216.596	572.161	ppb	3.5548	0.6	5711.89
Ti 334.941	1311.99	ppb	3.2966	0.3	347524
Tl 190.794	84.7174	ppb	1.3530	1.6	31.6135
V 292.401	547.180	ppb	1.3711	0.3	15366.5
Zn 206.200	3210.45	ppb	3.4394	0.1	5022.01

680-88527-b-5-f msd (Samp) 3/27/2013, 12:47:03 AM Rack 2, Tube 52

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.6589	12.9088	13.1343
Al 308.215	137467	137526	137801
As 188.980	312.556	322.840	308.810
B 249.678	207.940	208.934	209.135
Ba 389.178	1838.77	1838.82	1839.50
Be 313.042	79.2788	79.3150	79.4686
Ca 370.602	211358	213199	213549
Cd 226.502	60.8939	61.2912	60.6124
Co 228.615	125.026	123.251	123.822
Cr 267.716	584.058	585.245	585.883
Cu 324.754	542.567	550.765	549.250
Fe 271.441	517925	517279	520302
K 766.491	21377.7	21386.0	21391.4
Mg 279.078	59433.2	59528.2	59586.9
Mn 257.610	13839.7	13817.1	13912.0
Mo 202.032	101.040	100.867	102.041
Na 330.237	6194.94	5859.95	6239.99
Ni 231.604	201.606	195.195	196.682
Pb 220.353	1503.54	1507.24	1503.57
Sb 206.834	21.9805	31.9161	21.5414
Se 196.026	102.264	102.006	94.4709
Sn 189.925	257.679	254.503	254.824
Sr 216.596	485.718	488.673	488.513
Ti 334.941	1295.16	1294.51	1297.99
Tl 190.794	97.6519	91.2081	89.2361
V 292.401	741.064	741.051	744.472
Zn 206.200	3038.30	3058.30	3047.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.9007	ppb	0.2378	1.8	881.301
Al 308.215	137598	ppb	177.864	0.1	801507
As 188.980	314.735	ppb	7.2642	2.3	190.863
B 249.678	208.670	ppb	0.6397	0.3	1679.33
Ba 389.178	1839.03	ppb	0.4071	0.0	46326.8
Be 313.042	79.3541	ppb	0.1008	0.1	155587
Ca 370.602	212702	ppb	1177	0.6	658542
Cd 226.502	60.9325	ppb	0.3410	0.6	3567.82
Co 228.615	124.033	ppb	0.9062	0.7	1484.90
Cr 267.716	585.062	ppb	0.9263	0.2	25706.1
Cu 324.754	547.527	ppb	4.3619	0.8	27235.8
Fe 271.441	518502	ppb	1592.11	0.3	881797
K 766.491	21385.0	ppb	6.8685	0.0	1077428
Mg 279.078	59516.1	ppb	77.5767	0.1	123848
Mn 257.610	13856.3	ppb	49.5571	0.4	3193093
Mo 202.032	101.316	ppb	0.6336	0.6	656.586
Na 330.237	6098.29	ppb	207.637	3.4	126.079
Ni 231.604	197.828	ppb	3.3557	1.7	530.429
Pb 220.353	1504.78	ppb	2.1254	0.1	2488.25
Sb 206.834	25.1460	ppb	5.8672	23.3	40.6759
Se 196.026	99.5803	ppb	4.4268	4.4	54.2289
Sn 189.925	255.669	ppb	1.7482	0.7	197.482
Sr 216.596	487.635	ppb	1.6618	0.3	4963.52
Ti 334.941	1295.89	ppb	1.8530	0.1	343297
Tl 190.794	92.6987	ppb	4.4015	4.7	30.5992
V 292.401	742.196	ppb	1.9714	0.3	20842.9
Zn 206.200	3048.07	ppb	10.0991	0.3	4767.62

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680-88527-b-7-b (Samp) **3/27/2013, 12:52:28 AM** **Rack 2, Tube 53****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	6.0466	7.0376	6.8295
Al 308.215	91943.1	91743.5	86332.4
As 188.980	250.700	252.853	219.534
B 249.678	19.2923u	17.4312u	16.1700u
Ba 389.178	2751.16	2747.78	2591.82
Be 313.042	11.6778	11.6412	10.9687
Ca 370.602	234677	235145	221383
Cd 226.502	151.293	150.701	139.759
Co 228.615	84.4774	84.8269	79.0039
Cr 267.716	306.965	306.424	287.980
Cu 324.754	819.027	837.102	781.819
Fe 271.441	479913	479368	450663
K 766.491	12367.1	12336.7	11714.5
Mg 279.078	38874.2	38802.0	36804.8
Mn 257.610	11617.2	11661.6	10919.6
Mo 202.032	21.7090	21.0917	19.8416
Na 330.237	1253.66u	1288.61u	1454.61u
Ni 231.604	133.232	133.604	125.423
Pb 220.353	23480.4x	23505.4x	22073.0x
Sb 206.834	219.085	203.278	197.495
Se 196.026	-5.3040	5.4954	2.2484
Sn 189.925	9524.55	9529.33	8943.10
Sr 216.596	373.760	374.170	352.269
Ti 334.941	1608.07	1609.71	1514.34
Tl 190.794	47.5385	42.9698	47.5526
V 292.401	363.696	362.942	341.526
Zn 206.200	8239.31	8228.95	7749.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.6379b	ppb	0.5225	7.9	433.436
Al 308.215	90006.3b	ppb	3183.26	3.5	524373
As 188.980	241.029b	ppb	18.6463	7.7	145.913
B 249.678	17.6312b	ppb	1.5707	8.9	-78.5033
Ba 389.178	2696.92b	ppb	91.0366	3.4	67375.5
Be 313.042	11.4292b	ppb	0.3993	3.5	22280.2
Ca 370.602	230402b	ppb	7814	3.4	720969
Cd 226.502	147.251b	ppb	6.4952	4.4	6694.31
Co 228.615	82.7694b	ppb	3.2657	3.9	1004.82
Cr 267.716	300.457b	ppb	10.8082	3.6	13263.8
Cu 324.754	812.649b	ppb	28.1878	3.5	40287.1
Fe 271.441	469981b	ppb	16732.4	3.6	799273
K 766.491	12139.4b	ppb	368.289	3.0	611703
Mg 279.078	38160.3b	ppb	1174.49	3.1	79401.6
Mn 257.610	11399.5b	ppb	416.146	3.7	2627010
Mo 202.032	20.8808b	ppb	0.9514	4.6	125.690
Na 330.237	1332.29b	ppb	107.359	8.1	-145.331
Ni 231.604	130.753b	ppb	4.6195	3.5	353.994
Pb 220.353	23019.6xb	ppb	819.895	3.6	38020.1
Sb 206.834	206.619b	ppb	11.1764	5.4	208.539
Se 196.026	0.8133b	ppb	5.5409	681.3	4.7807
Sn 189.925	9332.32b	ppb	337.091	3.6	7252.71
Sr 216.596	366.733b	ppb	12.5279	3.4	3773.07
Ti 334.941	1577.37b	ppb	54.5924	3.5	417718
Tl 190.794	46.0203b	ppb	2.6418	5.7	2.5834
V 292.401	356.055b	ppb	12.5880	3.5	10021.5
Zn 206.200	8072.53b	ppb	279.936	3.5	12626.6

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680-88527-b-14-b (Samp) 3/27/2013, 12:57:54 AM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.3426	2.4676	2.1218
Al 308.215	122804	122822	122711
As 188.980	154.630	152.990	153.583
B 249.678	229.047	230.811	233.729
Ba 389.178	1965.66	1962.42	1969.51
Be 313.042	41.6949	41.6968	41.7352
Ca 370.602	157029	156887	156915
Cd 226.502	14.5517	14.7479	14.5743
Co 228.615	160.338	160.340	159.379
Cr 267.716	829.089	829.642	828.240
Cu 324.754	2987.07	2990.72	3001.35
Fe 271.441	445629	446492	446854
K 766.491	8649.84	8649.20	8664.49
Mg 279.078	21516.3	21541.7	21515.9
Mn 257.610	22659.9	22581.1	22685.6
Mo 202.032	86.6446	86.5488	86.2255
Na 330.237	6829.32u	6947.17u	7036.21u
Ni 231.604	370.782	365.978	371.344
Pb 220.353	5404.10	5405.02	5407.46
Sb 206.834	38.9190	39.3735	29.7171
Se 196.026	29.6883	9.4776	18.0877
Sn 189.925	1321.98	1312.62	1320.64
Sr 216.596	358.581	357.964	356.066
Ti 334.941	3801.87	3803.91	3806.92
Tl 190.794	77.0230	89.3192	89.1889
V 292.401	439.478	438.864	440.535
Zn 206.200	55517.4x	55462.4x	55656.1x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3107b	ppb	0.1751	7.6	178.563
Al 308.215	122779b	ppb	59.9015	0.0	715218
As 188.980	153.734b	ppb	0.8303	0.5	91.4988
B 249.678	231.196b	ppb	2.3646	1.0	1959.65
Ba 389.178	1965.86b	ppb	3.5476	0.2	49243.1
Be 313.042	41.7089b	ppb	0.0227	0.1	81687.7
Ca 370.602	156944b	ppb	75.01	0.0	481476
Cd 226.502	14.6246b	ppb	0.1074	0.7	1650.47
Co 228.615	160.019b	ppb	0.5542	0.3	1979.10
Cr 267.716	828.990b	ppb	0.7062	0.1	36380.5
Cu 324.754	2993.04b	ppb	7.4180	0.2	147720
Fe 271.441	446325b	ppb	629.024	0.1	759057
K 766.491	8654.51b	ppb	8.6473	0.1	436157
Mg 279.078	21524.6b	ppb	14.7813	0.1	44553.5
Mn 257.610	22642.2b	ppb	54.4551	0.2	5216213
Mo 202.032	86.4730b	ppb	0.2196	0.3	561.905
Na 330.237	6937.57b	ppb	103.777	1.5	-223.169
Ni 231.604	369.368b	ppb	2.9491	0.8	977.620
Pb 220.353	5405.53b	ppb	1.7364	0.0	8931.06
Sb 206.834	36.0032b	ppb	5.4487	15.1	51.6616
Se 196.026	19.0845b	ppb	10.1421	53.1	16.3803
Sn 189.925	1318.41b	ppb	5.0612	0.4	1023.52
Sr 216.596	357.537b	ppb	1.3109	0.4	3662.23
Ti 334.941	3804.23b	ppb	2.5377	0.1	1007185
Tl 190.794	85.1770b	ppb	7.0619	8.3	19.0747
V 292.401	439.625b	ppb	0.8450	0.2	12361.5
Zn 206.200	55545.3xb	ppb	99.7867	0.2	86871.1

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88527-b-15-b (Samp) 3/27/2013, 1:03:19 AM Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.9516	3.1300	2.4444
Al 308.215	126600	126081	126430
As 188.980	126.873	136.765	130.366
B 249.678	244.025	245.373	248.235
Ba 389.178	2438.28	2428.21	2436.45
Be 313.042	32.5416	32.4158	32.3948
Ca 370.602	206457	205903	206070
Cd 226.502	17.5928	17.3234	17.7225
Co 228.615	122.409	121.418	122.081
Cr 267.716	1219.10	1216.03	1216.58
Cu 324.754	4152.14	4099.32	4161.66
Fe 271.441	382861	381458	382660
K 766.491	11113.3	11054.2	11147.8
Mg 279.078	22867.4	22802.6	22848.9
Mn 257.610	39600.0x	39422.9x	39535.8x
Mo 202.032	58.5997	59.6550	58.6972
Na 330.237	5158.05u	5148.59u	5088.14u
Ni 231.604	494.193	492.576	495.132
Pb 220.353	4035.92	4008.43	4014.59
Sb 206.834	30.4122	36.4843	37.7758
Se 196.026	12.6294	24.0046	23.2217
Sn 189.925	1142.84	1141.44	1141.91
Sr 216.596	412.176	408.814	409.497
Ti 334.941	6045.70	6032.64	6036.09
Tl 190.794	145.340	145.408	140.625
V 292.401	617.281	616.271	616.543
Zn 206.200	29712.6x	29489.2x	29616.8x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8420b	ppb	0.3557	12.5	287.035
Al 308.215	126370b	ppb	264.851	0.2	736124
As 188.980	131.335b	ppb	5.0167	3.8	78.7063
B 249.678	245.878b	ppb	2.1502	0.9	2158.24
Ba 389.178	2434.31b	ppb	5.3600	0.2	60717.0
Be 313.042	32.4507b	ppb	0.0794	0.2	63524.2
Ca 370.602	206143b	ppb	284.0	0.1	650025
Cd 226.502	17.5463b	ppb	0.2036	1.2	1604.16
Co 228.615	121.970b	ppb	0.5046	0.4	1597.38
Cr 267.716	1217.24b	ppb	1.6343	0.1	53385.2
Cu 324.754	4137.70b	ppb	33.5832	0.8	204102
Fe 271.441	382326b	ppb	758.736	0.2	650218
K 766.491	11105.1b	ppb	47.3000	0.4	559601
Mg 279.078	22839.6b	ppb	33.4188	0.1	47014.5
Mn 257.610	39519.6xb	ppb	89.6525	0.2	9103136
Mo 202.032	58.9840b	ppb	0.5831	1.0	382.100
Na 330.237	5131.59b	ppb	37.9303	0.7	-120.227
Ni 231.604	493.967b	ppb	1.2933	0.3	1302.15
Pb 220.353	4019.65b	ppb	14.4271	0.4	6644.65
Sb 206.834	34.8907b	ppb	3.9319	11.3	53.1270
Se 196.026	19.9519b	ppb	6.3535	31.8	20.5680
Sn 189.925	1142.07b	ppb	0.7138	0.1	886.470
Sr 216.596	410.163b	ppb	1.7768	0.4	4154.78
Ti 334.941	6038.14b	ppb	6.7682	0.1	1598588
Tl 190.794	143.791b	ppb	2.7422	1.9	44.7176
V 292.401	616.698b	ppb	0.5227	0.1	17359.8
Zn 206.200	29606.2xb	ppb	112.058	0.4	46301.9

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88527-a-35-a (Samp) 3/27/2013, 1:08:45 AM Rack 2, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0826	-1.0685u	-1.4759u
Al 308.215	108069	108154	108037
As 188.980	194.431	201.690	206.499
B 249.678	7.4887u	5.3318u	7.3984u
Ba 389.178	1644.68	1642.88	1641.20
Be 313.042	12.1708	12.1899	12.1999
Ca 370.602	101947	102087	102031
Cd 226.502	16.7396	16.6853	16.4589
Co 228.615	93.3129	93.1135	94.1442
Cr 267.716	424.385	424.689	423.643
Cu 324.754	612.483	609.308	618.398
Fe 271.441	347153	346909	347417
K 766.491	9762.29	9756.99	9790.86
Mg 279.078	28894.5	28938.8	28915.6
Mn 257.610	13872.1	13880.6	13859.1
Mo 202.032	16.3223	16.9665	16.9637
Na 330.237	606.537u	452.488u	602.682u
Ni 231.604	145.819	144.499	146.131
Pb 220.353	2125.02	2117.61	2125.18
Sb 206.834	4.9944	4.2887	12.4530
Se 196.026	-7.1527	4.8792	7.2197
Sn 189.925	189.274	191.839	191.887
Sr 216.596	258.550	258.731	258.958
Ti 334.941	1070.05	1071.62	1070.05
Tl 190.794	52.7651	60.6943	54.0405
V 292.401	501.051	501.261	500.899
Zn 206.200	3535.68	3538.13	3530.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8756	ppb	0.7164	81.8	-78.2430
Al 308.215	108087	ppb	60.4005	0.1	629655
As 188.980	200.873	ppb	6.0754	3.0	121.234
B 249.678	6.7396	ppb	1.2201	18.1	-66.1863
Ba 389.178	1642.92	ppb	1.7414	0.1	41140.6
Be 313.042	12.1868	ppb	0.0148	0.1	23725.2
Ca 370.602	102021	ppb	70.20	0.1	307893
Cd 226.502	16.6279	ppb	0.1489	0.9	1483.84
Co 228.615	93.5235	ppb	0.5467	0.6	1128.70
Cr 267.716	424.239	ppb	0.5385	0.1	18650.3
Cu 324.754	613.396	ppb	4.6138	0.8	30431.7
Fe 271.441	347160	ppb	253.996	0.1	590405
K 766.491	9770.05	ppb	18.2191	0.2	492350
Mg 279.078	28916.3	ppb	22.1476	0.1	60077.6
Mn 257.610	13870.6	ppb	10.8135	0.1	3195762
Mo 202.032	16.7508	ppb	0.3711	2.2	103.644
Na 330.237	553.902	ppb	87.8486	15.9	-110.628
Ni 231.604	145.483	ppb	0.8665	0.6	389.993
Pb 220.353	2122.60	ppb	4.3234	0.2	3509.35
Sb 206.834	7.2454	ppb	4.5237	62.4	19.4421
Se 196.026	1.6487	ppb	7.7116	467.7	5.0836
Sn 189.925	191.000	ppb	1.4949	0.8	147.175
Sr 216.596	258.746	ppb	0.2043	0.1	2663.92
Ti 334.941	1070.57	ppb	0.9085	0.1	283497
Tl 190.794	55.8333	ppb	4.2578	7.6	11.2163
V 292.401	501.070	ppb	0.1815	0.0	14084.4
Zn 206.200	3534.82	ppb	3.8103	0.1	5529.38

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88527-a-36-a (Samp) 3/27/2013, 1:14:10 AM Rack 2, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.3290	3.3808	3.0538
Al 308.215	91063.6	91166.9	91371.8
As 188.980	226.807	219.697	208.706
B 249.678	15.9987u	17.0857u	18.1887u
Ba 389.178	2358.21	2363.70	2370.11
Be 313.042	11.4170	11.4287	11.4455
Ca 370.602	163349	163249	163191
Cd 226.502	165.012	164.811	165.338
Co 228.615	88.9483	89.6536	89.4001
Cr 267.716	296.366	297.400	297.439
Cu 324.754	865.610	873.488	879.881
Fe 271.441	484032	484438	484874
K 766.491	12707.9	12721.6	12787.6
Mg 279.078	36450.6	36468.5	36502.7
Mn 257.610	13583.2	13595.3	13594.6
Mo 202.032	20.8772	21.2033	21.5783
Na 330.237	1428.14u	1429.77u	1264.26u
Ni 231.604	155.089	155.861	153.287
Pb 220.353	3472.76	3475.68	3461.86
Sb 206.834	9.8652	14.8549	6.0857
Se 196.026	-11.7882	-3.7359	-7.1111
Sn 189.925	140.051	136.227	136.420
Sr 216.596	355.473	356.525	354.510
Ti 334.941	2051.16	2055.60	2056.92
Tl 190.794	44.5465	57.5836	55.5705
V 292.401	284.648	285.406	285.890
Zn 206.200	8302.46	8292.90	8318.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.2545	ppb	0.1758	5.4	204.968
Al 308.215	91200.7	ppb	156.857	0.2	531330
As 188.980	218.403	ppb	9.1197	4.2	131.203
B 249.678	17.0910	ppb	1.0950	6.4	-97.1550
Ba 389.178	2364.01	ppb	5.9543	0.3	59172.3
Be 313.042	11.4304	ppb	0.0143	0.1	22264.7
Ca 370.602	163263	ppb	79.89	0.0	498508
Cd 226.502	165.054	ppb	0.2662	0.2	7398.49
Co 228.615	89.3340	ppb	0.3572	0.4	1100.95
Cr 267.716	297.069	ppb	0.6084	0.2	13128.8
Cu 324.754	872.993	ppb	7.1487	0.8	43265.4
Fe 271.441	484448	ppb	421.404	0.1	823875
K 766.491	12739.1	ppb	42.6223	0.3	641907
Mg 279.078	36474.0	ppb	26.4944	0.1	75856.0
Mn 257.610	13591.0	ppb	6.7978	0.1	3131787
Mo 202.032	21.2196	ppb	0.3508	1.7	127.400
Na 330.237	1374.06	ppb	95.0884	6.9	-153.057
Ni 231.604	154.746	ppb	1.3206	0.9	417.040
Pb 220.353	3470.10	ppb	7.2830	0.2	5734.44
Sb 206.834	10.2686	ppb	4.3985	42.8	23.9168
Se 196.026	-7.5451	ppb	4.0437	53.6	1.2912
Sn 189.925	137.566	ppb	2.1539	1.6	105.661
Sr 216.596	355.503	ppb	1.0078	0.3	3662.49
Ti 334.941	2054.56	ppb	3.0161	0.1	544043
Tl 190.794	52.5668	ppb	7.0184	13.4	4.3536
V 292.401	285.315	ppb	0.6259	0.2	8039.81
Zn 206.200	8304.74	ppb	13.1298	0.2	12989.8

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88527-a-37-a (Samp) **3/27/2013, 1:19:36 AM** **Rack 2, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.2582	1.9849	1.9429
Al 308.215	120771	120239	120222
As 188.980	128.570	127.982	124.477
B 249.678	295.686	296.493	297.630
Ba 389.178	2224.21	2216.48	2218.04
Be 313.042	35.0758	35.0207	34.9898
Ca 370.602	170038	169687	170521
Cd 226.502	15.9394	15.7617	15.8912
Co 228.615	135.754	137.255	138.968
Cr 267.716	784.744	781.431	782.862
Cu 324.754	2849.84	2832.42	2815.12
Fe 271.441	420303	417720	419396
K 766.491	9014.34	9015.59	9036.17
Mg 279.078	22290.4	22192.8	22202.9
Mn 257.610	26819.8	26797.5	26954.1
Mo 202.032	69.8316	69.2938	69.4937
Na 330.237	6768.63u	6954.84u	6974.22u
Ni 231.604	313.813	312.850	311.283
Pb 220.353	4915.49	4900.68	4882.79
Sb 206.834	23.0773	25.1522	28.2821
Se 196.026	27.7272	7.9733	18.6765
Sn 189.925	1165.49	1161.07	1163.29
Sr 216.596	356.386	357.320	357.240
Ti 334.941	4180.86	4180.91	4181.79
Tl 190.794	91.7118	105.329	99.7492
V 292.401	427.931	427.891	428.600
Zn 206.200	48565.1x	48457.4x	48390.7x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0620b	ppb	0.1712	8.3	179.038
Al 308.215	120410b	ppb	312.274	0.3	701424
As 188.980	127.010b	ppb	2.2125	1.7	75.3521
B 249.678	296.603b	ppb	0.9767	0.3	2602.59
Ba 389.178	2219.58b	ppb	4.0889	0.2	55468.5
Be 313.042	35.0288b	ppb	0.0435	0.1	68581.0
Ca 370.602	170082b	ppb	418.5	0.2	527283
Cd 226.502	15.8641b	ppb	0.0919	0.6	1630.68
Co 228.615	137.326b	ppb	1.6083	1.2	1724.32
Cr 267.716	783.012b	ppb	1.6614	0.2	34384.8
Cu 324.754	2832.46b	ppb	17.3623	0.6	139799
Fe 271.441	419140b	ppb	1310.68	0.3	712822
K 766.491	9022.04b	ppb	12.2582	0.1	454671
Mg 279.078	22228.7b	ppb	53.6779	0.2	45949.8
Mn 257.610	26857.1b	ppb	84.6825	0.3	6186893
Mo 202.032	69.5397b	ppb	0.2719	0.4	450.795
Na 330.237	6899.23b	ppb	113.515	1.6	-166.708
Ni 231.604	312.649b	ppb	1.2769	0.4	828.713
Pb 220.353	4899.65b	ppb	16.3742	0.3	8096.37
Sb 206.834	25.5039b	ppb	2.6202	10.3	41.0049
Se 196.026	18.1257b	ppb	9.8885	54.6	16.7826
Sn 189.925	1163.28b	ppb	2.2098	0.2	902.948
Sr 216.596	356.982b	ppb	0.5178	0.1	3649.39
Ti 334.941	4181.19b	ppb	0.5209	0.0	1106981
Tl 190.794	98.9300b	ppb	6.8455	6.9	25.2464
V 292.401	428.141b	ppb	0.3985	0.1	12051.1
Zn 206.200	48471.1xb	ppb	88.0390	0.2	75807.3

680-88527-a-38-a (Samp) 3/27/2013, 1:25:02 AM Rack 2, Tube 59

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.0540	2.9066	2.9467
Al 308.215	111412	111405	111314
As 188.980	133.863	135.092	137.008
B 249.678	166.091	167.094	170.085
Ba 389.178	2683.41	2684.72	2681.77
Be 313.042	26.3404	26.3810	26.3620
Ca 370.602	156739	157543	156845
Cd 226.502	23.5983	22.7738	23.0374
Co 228.615	152.093	151.504	151.066
Cr 267.716	688.324	688.718	686.624
Cu 324.754	1799.02	1802.72	1800.12
Fe 271.441	366819	367653	367387
K 766.491	10310.4	10330.6	10347.9
Mg 279.078	16548.7	16550.2	16545.9
Mn 257.610	43384.9x	43345.2x	43326.8x
Mo 202.032	58.3393	58.4637	56.3664
Na 330.237	4824.06u	5119.42u	5126.03u
Ni 231.604	233.388	239.973	234.576
Pb 220.353	3656.26	3666.59	3661.26
Sb 206.834	18.4522	27.2181	19.1500
Se 196.026	38.5279	14.9973	18.3365
Sn 189.925	768.221	762.853	765.377
Sr 216.596	380.808	380.249	377.824
Ti 334.941	4203.90	4210.41	4193.53
Tl 190.794	167.898	167.054	158.455
V 292.401	366.944	368.755	368.021
Zn 206.200	34597.8x	34683.8x	34650.2x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9691b	ppb	0.0762	2.6	312.214
Al 308.215	111377b	ppb	54.1956	0.0	648820
As 188.980	135.321b	ppb	1.5847	1.2	80.9187
B 249.678	167.757b	ppb	2.0780	1.2	1434.97
Ba 389.178	2683.30b	ppb	1.4805	0.1	66823.9
Be 313.042	26.3611b	ppb	0.0203	0.1	51560.7
Ca 370.602	157042b	ppb	436.6	0.3	489122
Cd 226.502	23.1365b	ppb	0.4211	1.8	1777.34
Co 228.615	151.554b	ppb	0.5154	0.3	1894.52
Cr 267.716	687.889b	ppb	1.1128	0.2	30286.2
Cu 324.754	1800.62b	ppb	1.9038	0.1	88940.2
Fe 271.441	367286b	ppb	425.657	0.1	624642
K 766.491	10329.6b	ppb	18.7503	0.2	520537
Mg 279.078	16548.3b	ppb	2.1667	0.0	33849.3
Mn 257.610	43352.3xb	ppb	29.6757	0.1	9985781
Mo 202.032	57.7231b	ppb	1.1766	2.0	374.853
Na 330.237	5023.17b	ppb	172.466	3.4	-144.695
Ni 231.604	235.979b	ppb	3.5096	1.5	627.113
Pb 220.353	3661.37b	ppb	5.1659	0.1	6055.04
Sb 206.834	21.6068b	ppb	4.8721	22.5	35.4206
Se 196.026	23.9539b	ppb	12.7314	53.1	23.3836
Sn 189.925	765.483b	ppb	2.6856	0.4	593.737
Sr 216.596	379.627b	ppb	1.5862	0.4	3851.27
Ti 334.941	4202.61b	ppb	8.5156	0.2	1112622
Tl 190.794	164.469b	ppb	5.2254	3.2	55.5447
V 292.401	367.907b	ppb	0.9110	0.2	10365.9
Zn 206.200	34643.9xb	ppb	43.3556	0.1	54182.4

Cont Calib Verif (CCV) 3/27/2013, 1:30:29 AM Rack 3, Tube 1
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	492.370	497.350	493.418
Al 308.215	4924.00	4928.93	4936.72
As 188.980	464.310	460.532	454.330
B 249.678	2440.30	2454.08	2485.69
Ba 389.178	4897.72	4896.40	4905.23
Be 313.042	486.303	485.854	485.312
Ca 370.602	4852	4839	4851
Cd 226.502	472.682	471.636	474.206
Co 228.615	491.042	488.695	490.372
Cr 267.716	4673.72	4668.19	4659.39
Cu 324.754	4889.81	4632.65	4832.29
Fe 271.441	4915.89	4913.52	4937.66
K 766.491	10145.5	10175.6	10196.7
Mg 279.078	4819.94	4819.74	4821.88
Mn 257.610	4875.96	4879.44	4884.61
Mo 202.032	470.237	470.804	470.156
Na 330.237	7623.52	7499.75	7268.13
Ni 231.604	2421.01	2419.49	2423.34
Pb 220.353	472.998	475.615	474.193
Sb 206.834	898.229	903.122	910.408
Se 196.026	4776.69	4795.76	4792.85
Sn 189.925	4854.17	4912.36	4906.45
Sr 216.596	2359.71	2363.78	2356.55
Ti 334.941	479.458	479.141	477.574
Tl 190.794	4771.11	4791.14	4758.88
V 292.401	4876.99	4878.72	4881.71
Zn 206.200	2402.50	2410.03	2420.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.379	ppb	2.6256	0.5	34663.4	98.87587
Al 308.215	4929.88	ppb	6.4104	0.1	28948.4	98.59763
As 188.980	459.724	ppb	5.0389	1.1	283.950	91.94482
B 249.678	2460.02	ppb	23.2736	0.9	23413.1	98.40086
Ba 389.178	4899.78	ppb	4.7613	0.1	120988	97.99567
Be 313.042	485.823	ppb	0.4960	0.1	953183	97.16462
Ca 370.602	4847	ppb	7.362	0.2	15844	96.94468
Cd 226.502	472.841	ppb	1.2926	0.3	17798.4	94.56825
Co 228.615	490.036	ppb	1.2086	0.2	5778.17	98.00725
Cr 267.716	4667.10	ppb	7.2274	0.2	203726	93.34203
Cu 324.754	4784.92	ppb	134.967	2.8	235853	95.69833
Fe 271.441	4922.35	ppb	13.3053	0.3	8494.32	98.44708
K 766.491	10172.6	ppb	25.7386	0.3	512628	101.72608
Mg 279.078	4820.52	ppb	1.1835	0.0	9990.34	96.41045
Mn 257.610	4880.00	ppb	4.3554	0.1	1124032	97.60007
Mo 202.032	470.399	ppb	0.3529	0.1	3122.22	94.07978
Na 330.237	7463.80	ppb	180.402	2.4	361.813	99.51730
Ni 231.604	2421.28	ppb	1.9365	0.1	6334.86	96.85117
Pb 220.353	474.269	ppb	1.3105	0.3	786.669	94.85374
Sb 206.834	903.919	ppb	6.1286	0.7	886.701	90.39195
Se 196.026	4788.44	ppb	10.2715	0.2	2354.58	95.76871
Sn 189.925	4890.99	ppb	32.0274	0.7	3800.42	97.81986
Sr 216.596	2360.02	ppb	3.6275	0.2	22949.1	94.40061
Ti 334.941	478.724	ppb	1.0088	0.2	126666	95.74488
Tl 190.794	4773.71	ppb	16.2867	0.3	3274.62	95.47420
V 292.401	4879.14	ppb	2.3890	0.0	136849	97.58280
Zn 206.200	2410.88	ppb	8.8339	0.4	2758.32	96.43523

Cont Calib Blank (CCB) 3/27/2013, 1:35:55 AM Rack 3, Tube 2
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3966u	-0.0401u	-0.1012u
Al 308.215	-1.6743u	-1.1532u	-3.2258u
As 188.980	-1.8986u	-2.6641u	-6.8339u
B 249.678	47.1968	41.1569	36.1930
Ba 389.178	1.2956	1.2622	-0.1106u
Be 313.042	0.0004	-0.0075u	-0.0063u
Ca 370.602	1.188	3.329	1.479
Cd 226.502	0.0532	-0.2405u	0.0178
Co 228.615	-0.3844u	0.0509	-0.1178u
Cr 267.716	0.0958	0.0212	0.0014
Cu 324.754	-0.0860u	-0.0052u	-0.2485u
Fe 271.441	10.6455	22.2364	8.6090
K 766.491	0.9020	0.3913	0.7782
Mg 279.078	0.4566	-0.9475u	5.2748
Mn 257.610	0.6008	0.7567	0.8518
Mo 202.032	0.9936	-0.0663u	0.3936
Na 330.237	-114.594u	-57.4637u	-356.763u
Ni 231.604	-1.4857u	0.2306	-0.6940u
Pb 220.353	-1.3880u	-0.0857u	-0.6000u
Sb 206.834	5.9539	1.8525	2.3865
Se 196.026	1.8747	2.9504	3.1105
Sn 189.925	2.7105	1.4117	-0.8597u
Sr 216.596	0.1900	0.8768	0.1577
Ti 334.941	0.3146	0.3735	0.3057
Tl 190.794	-1.2949u	4.8902	3.7279
V 292.401	-0.0350u	0.1056	-0.2641u
Zn 206.200	2.6661	0.3290	0.4623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1793	ppb	0.1907	106.3	-78.8471	-0.17931
Al 308.215	-2.0178	ppb	1.0781	53.4	253.728	-2.01775
As 188.980	-3.7989	ppb	2.6561	69.9	-2.7604	-3.79887
B 249.678	41.5155	ppb	5.5107	13.3	587.639	41.51554
Ba 389.178	0.8157	ppb	0.8024	98.4	-9.8602	0.81574
Be 313.042	-0.0045	ppb	0.0043	96.2	-219.428	-0.00446
Ca 370.602	1.999	ppb	1.161	58.1	-0.4296	1.99851
Cd 226.502	-0.0565	ppb	0.1604	283.8	9.0011	-0.05650
Co 228.615	-0.1504	ppb	0.2195	145.9	10.0996	-0.15041
Cr 267.716	0.0395	ppb	0.0497	126.1	4.3814	0.03946
Cu 324.754	-0.1132	ppb	0.1239	109.4	104.708	-0.11324
Fe 271.441	13.8303	ppb	7.3508	53.2	27.1219	13.83028
K 766.491	0.6905	ppb	0.2664	38.6	240.597	0.69051
Mg 279.078	1.5946	ppb	3.2635	204.7	28.6498	1.59464
Mn 257.610	0.7364	ppb	0.1267	17.2	228.377	0.73643
Mo 202.032	0.4403	ppb	0.5315	120.7	12.1325	0.44031
Na 330.237	-176.273	ppb	158.897	90.1	-9.1201	-176.27332
Ni 231.604	-0.6497	ppb	0.8590	132.2	0.6210	-0.64968
Pb 220.353	-0.6912	ppb	0.6559	94.9	2.3777	-0.69122
Sb 206.834	3.3976	ppb	2.2299	65.6	4.6285	3.39763
Se 196.026	2.6452	ppb	0.6721	25.4	0.1615	2.64521
Sn 189.925	1.0875	ppb	1.8071	166.2	-0.4757	1.08748
Sr 216.596	0.4082	ppb	0.4062	99.5	12.3783	0.40818
Ti 334.941	0.3313	ppb	0.0368	11.1	-4.2011	0.33125
Tl 190.794	2.4411	ppb	3.2872	134.7	0.4522	2.44108
V 292.401	-0.0645	ppb	0.1866	289.3	2.0077	-0.06449
Zn 206.200	1.1525	ppb	1.3125	113.9	4.1496	1.15249

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mb 680-270685/1-a (Samp) 3/27/2013, 1:41:32 AM Rack 3, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6024	-0.3922u	-0.4489u
Al 308.215	-4.5579u	-3.9282u	-2.2333u
As 188.980	-0.1868u	2.6810	-0.8716u
B 249.678	5.6108	6.5502	5.9546
Ba 389.178	-0.0042u	0.1295	0.5985
Be 313.042	-0.0141u	-0.0223u	-0.0176u
Ca 370.602	3.364	5.983	1.652
Cd 226.502	-0.0725u	-0.0972u	-0.0693u
Co 228.615	-0.4755u	0.3946	-0.5921u
Cr 267.716	-0.0045u	-0.4729u	-0.2357u
Cu 324.754	0.1406	0.1974	-0.3552u
Fe 271.441	5.4966	5.7835	4.0941
K 766.491	0.5393	0.3764	1.1877
Mg 279.078	-4.4275u	-2.4396u	-1.0838u
Mn 257.610	0.0503	0.0491	0.0661
Mo 202.032	0.5140	0.3451	-0.1775u
Na 330.237	39.7289	-179.416u	276.222
Ni 231.604	-0.1083u	2.2795	-0.7107u
Pb 220.353	-2.5285u	-0.5178u	0.9420
Sb 206.834	-3.7380u	-0.6035u	1.3086
Se 196.026	1.8326	5.4066	2.6195
Sn 189.925	-0.1673u	3.2723	-2.8086u
Sr 216.596	0.4116	0.2651	0.6653
Ti 334.941	0.2290	0.2727	0.1980
Tl 190.794	0.2007	7.4037	-0.3516u
V 292.401	-0.5429u	-0.3980u	0.0948
Zn 206.200	2.3822	0.6127	1.8374

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0796	ppb	0.5913	742.9	-71.8005
Al 308.215	-3.5731	ppb	1.2023	33.6	244.654
As 188.980	0.5409	ppb	1.8848	348.5	-0.0746
B 249.678	6.0385	ppb	0.4753	7.9	252.752
Ba 389.178	0.2413	ppb	0.3165	131.2	-24.0717
Be 313.042	-0.0180	ppb	0.0041	22.8	-246.085
Ca 370.602	3.667	ppb	2.181	59.5	5.727
Cd 226.502	-0.0796	ppb	0.0153	19.2	8.1098
Co 228.615	-0.2243	ppb	0.5392	240.4	9.2332
Cr 267.716	-0.2377	ppb	0.2342	98.5	-7.7187
Cu 324.754	-0.0058	ppb	0.3040	5266.5	109.999
Fe 271.441	5.1247	ppb	0.9040	17.6	12.3124
K 766.491	0.7011	ppb	0.4292	61.2	241.133
Mg 279.078	-2.6503	ppb	1.6818	63.5	19.8161
Mn 257.610	0.0552	ppb	0.0095	17.2	71.4278
Mo 202.032	0.2272	ppb	0.3605	158.7	10.7188
Na 330.237	45.5119	ppb	227.874	500.7	2.3254
Ni 231.604	0.4868	ppb	1.5814	324.8	3.5932
Pb 220.353	-0.7014	ppb	1.7425	248.4	2.3610
Sb 206.834	-1.0110	ppb	2.5478	252.0	0.5156
Se 196.026	3.2862	ppb	1.8780	57.1	0.4765
Sn 189.925	0.0988	ppb	3.0491	3086.8	-1.2441
Sr 216.596	0.4474	ppb	0.2025	45.3	12.7401
Ti 334.941	0.2332	ppb	0.0375	16.1	-30.1816
Tl 190.794	2.4176	ppb	4.3269	179.0	0.4371
V 292.401	-0.2820	ppb	0.3343	118.5	-4.0716
Zn 206.200	1.6108	ppb	0.9063	56.3	4.8670

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Ics 680-270685/2-a (Samp) 3/27/2013, 1:47:00 AM Rack 3, Tube 4

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	142.434	141.450	139.991
Al 308.215	9757.45	9814.57	9832.97
As 188.980	170.886	176.801	171.015
B 249.678	389.010	394.355	397.423
Ba 389.178	202.375	202.620	204.374
Be 313.042	100.828	101.319	101.644
Ca 370.602	9550	9611	9647
Cd 226.502	99.8214	100.637	100.792
Co 228.615	101.588	101.874	100.778
Cr 267.716	187.911	189.803	190.476
Cu 324.754	196.150	195.731	195.557
Fe 271.441	9620.69	9684.12	9716.17
K 766.491	10366.6	10394.4	10414.2
Mg 279.078	9922.03	9999.80	10035.7
Mn 257.610	1012.09	1017.95	1020.81
Mo 202.032	161.506	164.884	166.621
Na 330.237	9890.45	9687.68	10020.3
Ni 231.604	200.210	201.749	200.568
Pb 220.353	97.9859	98.3252	102.210
Sb 206.834	85.3720	82.7995	89.5135
Se 196.026	184.666	181.256	177.482
Sn 189.925	271.409	268.501	267.557
Sr 216.596	197.054	197.714	199.195
Ti 334.941	185.067	185.804	186.806
Tl 190.794	84.2158	87.5529	82.5098
V 292.401	192.401	192.048	192.804
Zn 206.200	199.623	200.632	203.327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	141.292	ppb	1.2292	0.9	9871.57
Al 308.215	9801.66	ppb	39.3798	0.4	57359.9
As 188.980	172.901	ppb	3.3784	2.0	106.527
B 249.678	393.596	ppb	4.2577	1.1	3902.15
Ba 389.178	203.123	ppb	1.0902	0.5	5029.09
Be 313.042	101.264	ppb	0.4109	0.4	198534
Ca 370.602	9603	ppb	48.95	0.5	30917
Cd 226.502	100.417	ppb	0.5213	0.5	3809.65
Co 228.615	101.413	ppb	0.5688	0.6	1202.91
Cr 267.716	189.397	ppb	1.3299	0.7	8275.12
Cu 324.754	195.813	ppb	0.3050	0.2	9764.36
Fe 271.441	9673.66	ppb	48.5957	0.5	16472.2
K 766.491	10391.7	ppb	23.8639	0.2	523665
Mg 279.078	9985.84	ppb	58.1027	0.6	20811.5
Mn 257.610	1016.95	ppb	4.4437	0.4	234358
Mo 202.032	164.337	ppb	2.6009	1.6	1099.00
Na 330.237	9866.13	ppb	167.624	1.7	503.294
Ni 231.604	200.842	ppb	0.8052	0.4	527.790
Pb 220.353	99.5071	ppb	2.3472	2.4	167.538
Sb 206.834	85.8950	ppb	3.3875	3.9	82.2395
Se 196.026	181.135	ppb	3.5936	2.0	88.2307
Sn 189.925	269.156	ppb	2.0075	0.7	207.899
Sr 216.596	197.988	ppb	1.0967	0.6	1933.11
Ti 334.941	185.892	ppb	0.8732	0.5	49164.5
Tl 190.794	84.7595	ppb	2.5651	3.0	55.6934
V 292.401	192.418	ppb	0.3784	0.2	5373.44
Zn 206.200	201.194	ppb	1.9150	1.0	316.417

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

ics 680-270685/3-a (Samp) 3/27/2013, 1:52:26 AM Rack 3, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	119.055	91.6266	121.281
Al 308.215	3962.46	3985.37	3982.24
As 188.980	390.280	388.247	384.493
B 249.678	788.747	799.245	804.957
Ba 389.178	397.795	397.830	399.086
Be 313.042	394.915	394.727	396.654
Ca 370.602	38784	39000	39055
Cd 226.502	391.651	394.123	393.663
Co 228.615	401.335	404.120	401.132
Cr 267.716	374.559	377.772	377.890
Cu 324.754	398.282	393.858	397.794
Fe 271.441	40456.8	40605.0	40755.5
K 766.491	42852.5x	42972.4x	42976.8x
Mg 279.078	39840.9	40192.1	40174.6
Mn 257.610	3945.54	3974.18	3977.37
Mo 202.032	306.950	309.400	313.560
Na 330.237	37693.3	37817.2	37692.6
Ni 231.604	393.976	399.763	400.874
Pb 220.353	390.500	396.693	391.693
Sb 206.834	180.979	209.190	221.614
Se 196.026	332.167	329.700	329.125
Sn 189.925	254.536	265.342	266.587
Sr 216.596	412.910	415.631	414.692
Ti 334.941	368.456	370.648	372.242
Tl 190.794	96.0081	91.5488	93.1813
V 292.401	388.616	388.330	390.249
Zn 206.200	377.626	379.336	375.838

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	110.654b	ppb	16.5161	14.9	7719.66
Al 308.215	3976.69b	ppb	12.4233	0.3	23457.0
As 188.980	387.674b	ppb	2.9359	0.8	239.331
B 249.678	797.650b	ppb	8.2220	1.0	7687.29
Ba 389.178	398.237b	ppb	0.7356	0.2	9978.41
Be 313.042	395.432b	ppb	1.0624	0.3	775948
Ca 370.602	38947b	ppb	143.2	0.4	125203
Cd 226.502	393.146b	ppb	1.3147	0.3	14889.9
Co 228.615	402.196b	ppb	1.6695	0.4	4736.41
Cr 267.716	376.741b	ppb	1.8904	0.5	16468.5
Cu 324.754	396.645b	ppb	2.4258	0.6	19671.4
Fe 271.441	40605.8b	ppb	149.372	0.4	69123.0
K 766.491	42933.9xb	ppb	70.5234	0.2	2162906
Mg 279.078	40069.2b	ppb	197.935	0.5	83444.4
Mn 257.610	3965.70b	ppb	17.5278	0.4	913748
Mo 202.032	309.970b	ppb	3.3413	1.1	2063.69
Na 330.237	37734.4b	ppb	71.7072	0.2	1929.54
Ni 231.604	398.205b	ppb	3.7036	0.9	1044.59
Pb 220.353	392.962b	ppb	3.2854	0.8	652.519
Sb 206.834	203.928b	ppb	20.8228	10.2	195.028
Se 196.026	330.331b	ppb	1.6161	0.5	162.493
Sn 189.925	262.155b	ppb	6.6277	2.5	202.478
Sr 216.596	414.411b	ppb	1.3822	0.3	4047.81
Ti 334.941	370.449b	ppb	1.9008	0.5	98153.1
Tl 190.794	93.5794b	ppb	2.2562	2.4	57.8346
V 292.401	389.065b	ppb	1.0354	0.3	10866.2
Zn 206.200	377.600b	ppb	1.7488	0.5	591.725

lb 680-269861/5-e (Samp) 3/27/2013, 1:57:52 AM Rack 3, Tube 6
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.6407	4.7767	4.0942
Al 308.215	-3.1759u	0.7334	-1.6999u
As 188.980	9.5211	3.5033	0.1039
B 249.678	65.5213	64.1225	63.1301
Ba 389.178	-0.3458u	0.9207	0.8796
Be 313.042	-0.0196u	-0.0171u	-0.0137u
Ca 370.602	452.6	454.4	450.6
Cd 226.502	0.1016	-0.1220u	0.0872
Co 228.615	0.6187	0.5566	-1.0272u
Cr 267.716	-0.0264	-0.1203u	0.0033
Cu 324.754	0.7362	0.9778	0.2729
Fe 271.441	12.8256	11.0038	17.8860
K 766.491	109.457	109.841	108.947
Mg 279.078	87.6983	88.6837	88.9767
Mn 257.610	0.0918	0.0867	0.0980
Mo 202.032	3.1775	3.4007	2.4808
Na 330.237	121433x	122483x	121710x
Ni 231.604	1.1865	0.0615	1.9157
Pb 220.353	0.9412	-1.4170u	2.2504
Sb 206.834	8.3263	7.2628	5.2954
Se 196.026	-1.3962u	5.4158	12.2434
Sn 189.925	5.6486	8.0073	4.7805
Sr 216.596	1.3545	0.5846	0.5188
Ti 334.941	0.7617	0.6973	0.5957
Tl 190.794	-7.0206u	4.4094	-1.4355u
V 292.401	0.1354	0.0373u	-0.4927u
Zn 206.200	3.7059	2.7095	3.3206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5039b	ppb	0.3612	8.0	250.654
Al 308.215	-1.3808b	ppb	1.9741	143.0	257.803
As 188.980	4.3761b	ppb	4.7689	109.0	2.3017
B 249.678	64.2579b	ppb	1.2014	1.9	802.319
Ba 389.178	0.4848b	ppb	0.7196	148.4	-17.7694
Be 313.042	-0.0168b	ppb	0.0029	17.4	-258.939
Ca 370.602	452.6b	ppb	1.899	0.4	1485
Cd 226.502	0.0223b	ppb	0.1251	562.0	11.2735
Co 228.615	0.0494b	ppb	0.9329	1889.9	12.3595
Cr 267.716	-0.0478b	ppb	0.0645	134.9	2.5822
Cu 324.754	0.6623b	ppb	0.3582	54.1	142.999
Fe 271.441	13.9051b	ppb	3.5658	25.6	27.2942
K 766.491	109.415b	ppb	0.4483	0.4	5717.35
Mg 279.078	88.4529b	ppb	0.6697	0.8	209.611
Mn 257.610	0.0922b	ppb	0.0057	6.2	79.8159
Mo 202.032	3.0197b	ppb	0.4798	15.9	29.2493
Na 330.237	121875xb	ppb	544.169	0.4	6290.19
Ni 231.604	1.0546b	ppb	0.9341	88.6	5.0783
Pb 220.353	0.5915b	ppb	1.8586	314.2	4.4921
Sb 206.834	6.9615b	ppb	1.5377	22.1	7.9180
Se 196.026	5.4210b	ppb	6.8198	125.8	1.5262
Sn 189.925	6.1455b	ppb	1.6698	27.2	3.4973
Sr 216.596	0.8193b	ppb	0.4646	56.7	16.3160
Ti 334.941	0.6849b	ppb	0.0837	12.2	80.6439
Tl 190.794	-1.3489b	ppb	5.7155	423.7	-2.1515
V 292.401	-0.1067b	ppb	0.3379	316.8	-0.7220
Zn 206.200	3.2453b	ppb	0.5024	15.5	7.4230

680-88413-a-1-1 ms (Samp) 3/27/2013, 2:08:45 AM Rack 3, Tube 8
Weight: 1 Volume: 1 Dilution: 1

Table with columns: Label, Replicates, Concentration. Lists various elements (Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn) and their corresponding values across three replicates.

Table with columns: Label, Sol'n Conc., Units, SD, %RSD, Int. (c/s). Provides detailed analytical data for each element, including standard deviation, relative standard deviation, and intensity.

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88413-a-1-m msd (Samp) 3/27/2013, 2:14:11 AM Rack 3, Tube 9
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	96.5956	96.4576	95.7561
Al 308.215	822.875	821.058	826.417
As 188.980	80.3502	88.8564	80.9646
B 249.678	183.858	184.531	183.966
Ba 389.178	74.7552	75.3778	75.7153
Be 313.042	79.4079	79.2881	79.3192
Ca 370.602	38308	38184	38190
Cd 226.502	76.8517	76.9876	76.9351
Co 228.615	125.824	126.270	126.611
Cr 267.716	74.6306	75.0519	75.1033
Cu 324.754	120996x	120699x	120579x
Fe 271.441	7678.94	7662.47	7660.23
K 766.491	10927.3	10932.0	10933.9
Mg 279.078	46194.1	46142.4	46137.6
Mn 257.610	3602.42	3596.46	3590.31
Mo 202.032	76.3922	75.9967	75.8073
Na 330.237	343006x	342051x	342054x
Ni 231.604	63823.0x	65061.9x	63783.1x
Pb 220.353	74.0151	80.4775	75.7596
Sb 206.834	81.8848	77.9572	74.3713
Se 196.026	87.1400	91.5700	87.4370
Sn 189.925	81.0360	73.8253	83.6128
Sr 216.596	88.3051u	87.7196u	87.8513u
Ti 334.941	73.6133	73.6677	73.3964
Tl 190.794	18.6135	28.2211	33.0408
V 292.401	81.1148	81.7767	81.3951
Zn 206.200	2336.16	2330.28	2333.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	96.2698b	ppb	0.4502	0.5	6726.03
Al 308.215	823.450b	ppb	2.7254	0.3	5069.22
As 188.980	83.3904b	ppb	4.7437	5.7	51.4196
B 249.678	184.118b	ppb	0.3613	0.2	1926.61
Ba 389.178	75.2828b	ppb	0.4870	0.6	1969.28
Be 313.042	79.3384b	ppb	0.0622	0.1	155497
Ca 370.602	38228b	ppb	70.08	0.2	125533
Cd 226.502	76.9248b	ppb	0.0685	0.1	2920.21
Co 228.615	126.235b	ppb	0.3944	0.3	1494.40
Cr 267.716	74.9286b	ppb	0.2594	0.3	3293.85
Cu 324.754	120758xb	ppb	214.423	0.2	5950451
Fe 271.441	7667.21b	ppb	10.2182	0.1	13062.3
K 766.491	10931.1b	ppb	3.4270	0.0	550833
Mg 279.078	46158.0b	ppb	31.3281	0.1	96130.0
Mn 257.610	3596.40b	ppb	6.0577	0.2	828633
Mo 202.032	76.0654b	ppb	0.2984	0.4	513.501
Na 330.237	342370xb	ppb	551.047	0.2	17650.1
Ni 231.604	64222.6xb	ppb	727.062	1.1	167965
Pb 220.353	76.7507b	ppb	3.3433	4.4	130.844
Sb 206.834	78.0711b	ppb	3.7580	4.8	74.7684
Se 196.026	88.7157b	ppb	2.4764	2.8	43.4083
Sn 189.925	79.4914b	ppb	5.0733	6.4	60.5975
Sr 216.596	87.9587b	ppb	0.3071	0.3	-114.685
Ti 334.941	73.5591b	ppb	0.1435	0.2	19553.9
Tl 190.794	26.6251b	ppb	7.3449	27.6	13.2370
V 292.401	81.4288b	ppb	0.3322	0.4	2273.07
Zn 206.200	2333.33b	ppb	2.9479	0.1	2651.38

680-88384-a-1-d (Samp) **3/27/2013, 2:19:37 AM** **Rack 3, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5182u	0.1718	0.2478
Al 308.215	-3.9946u	-3.7555u	-3.2739u
As 188.980	2.5736	-2.0724u	2.5803
B 249.678	2.3802	1.5606	1.6543
Ba 389.178	-0.0175	-0.1623u	-0.4875u
Be 313.042	-0.0190u	-0.0195u	-0.0187u
Ca 370.602	889.4	883.6	898.4
Cd 226.502	0.1539	-0.2085u	0.0604
Co 228.615	-0.1395u	0.3406	-0.1313u
Cr 267.716	0.0052	-0.2052u	-0.1994u
Cu 324.754	8.8636	9.2545	8.4346
Fe 271.441	3.5209	3.1966	8.4664
K 766.491	214.240	215.063	215.759
Mg 279.078	252.537	247.504	249.006
Mn 257.610	0.0649	0.0146	0.0234
Mo 202.032	1.1629	-0.3264u	-0.2052u
Na 330.237	3505.00	3801.96	3877.62
Ni 231.604	3.1671	1.2277	1.1055
Pb 220.353	-0.3263u	-1.4366u	-2.2848u
Sb 206.834	0.1663	-5.7931u	4.6127
Se 196.026	-3.6683u	4.9612	8.7376
Sn 189.925	1.9370	3.5351	6.2778
Sr 216.596	4.1049	3.6642	4.1796
Ti 334.941	0.0951	0.2148	0.0646
Tl 190.794	-2.7192u	-2.3062u	2.2630
V 292.401	0.0198	0.1167	0.1407
Zn 206.200	1.7659	0.6867	1.9082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0328	ppb	0.4220	1285.1	-68.7023
Al 308.215	-3.6747	ppb	0.3671	10.0	244.075
As 188.980	1.0272	ppb	2.6843	261.3	0.2337
B 249.678	1.8650	ppb	0.4486	24.1	213.355
Ba 389.178	-0.2224	ppb	0.2407	108.2	-34.8178
Be 313.042	-0.0191	ppb	0.0004	2.0	-248.266
Ca 370.602	890.5	ppb	7.427	0.8	2930
Cd 226.502	0.0019	ppb	0.1881	9759.1	11.1600
Co 228.615	0.0233	ppb	0.2749	1181.9	12.1343
Cr 267.716	-0.1332	ppb	0.1198	90.0	-3.0971
Cu 324.754	8.8509	ppb	0.4101	4.6	546.411
Fe 271.441	5.0613	ppb	2.9534	58.4	12.2656
K 766.491	215.021	ppb	0.7605	0.4	11037.0
Mg 279.078	249.683	ppb	2.5835	1.0	545.497
Mn 257.610	0.0343	ppb	0.0269	78.4	68.0145
Mo 202.032	0.2104	ppb	0.8271	393.0	10.6071
Na 330.237	3728.19	ppb	196.959	5.3	192.402
Ni 231.604	1.8334	ppb	1.1566	63.1	7.1150
Pb 220.353	-1.3492	ppb	0.9822	72.8	1.2909
Sb 206.834	-0.3381	ppb	5.2212	1544.5	1.1424
Se 196.026	3.3435	ppb	6.3592	190.2	0.5046
Sn 189.925	3.9166	ppb	2.1954	56.1	1.7250
Sr 216.596	3.9829	ppb	0.2785	7.0	47.2454
Ti 334.941	0.1248	ppb	0.0793	63.6	-58.0861
Tl 190.794	-0.9208	ppb	2.7649	300.3	-1.8560
V 292.401	0.0924	ppb	0.0640	69.3	6.3956
Zn 206.200	1.4536	ppb	0.6680	46.0	4.6208

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

lb 680-269540/3-d (Samp) 3/27/2013, 2:25:04 AM Rack 3, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9794u	-1.2075u	0.0466
Al 308.215	-1.5775u	0.4303	-0.3281u
As 188.980	-0.0424u	-0.9166u	-0.4330u
B 249.678	26.1935	28.3365	27.2501
Ba 389.178	0.5054	1.2261	0.0854
Be 313.042	0.0106	-0.0028u	0.0093u
Ca 370.602	323.8	333.6	324.5
Cd 226.502	-0.0228u	0.2091	-0.2454u
Co 228.615	-0.0183u	-0.3971u	0.6041
Cr 267.716	0.4443	0.2971	0.4782
Cu 324.754	1.2921	1.2744	1.4877
Fe 271.441	5.9668	-1.5330u	10.0574
K 766.491	99.6470	101.206	99.9563
Mg 279.078	72.2128	74.2917	71.1633
Mn 257.610	0.1569	0.1039	0.1416
Mo 202.032	-0.0957u	-0.1651u	0.0414
Na 330.237	163987x	167920x	166942x
Ni 231.604	1.6292	1.6062	2.1821
Pb 220.353	0.4750	-2.7426u	-2.5938u
Sb 206.834	1.3401	-2.3112u	6.1846
Se 196.026	-1.5056u	-0.0791u	5.2207
Sn 189.925	-0.1379u	0.8782	2.7866
Sr 216.596	0.8615	1.6602	0.6300
Ti 334.941	0.1016	0.0527	0.0925
Tl 190.794	4.5988	-4.1109u	-1.9515u
V 292.401	0.1509	0.1794	0.1503
Zn 206.200	1.5177	2.5000	3.0976

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7134b	ppb	0.6680	93.6	-116.438
Al 308.215	-0.4918b	ppb	1.0139	206.2	262.543
As 188.980	-0.4640b	ppb	0.4379	94.4	-0.6937
B 249.678	27.2600b	ppb	1.0715	3.9	453.075
Ba 389.178	0.6056b	ppb	0.5770	95.3	-14.8622
Be 313.042	0.0057b	ppb	0.0074	130.5	-219.753
Ca 370.602	327.3b	ppb	5.444	1.7	1073
Cd 226.502	-0.0197b	ppb	0.2273	1153.7	9.4207
Co 228.615	0.0629b	ppb	0.5055	803.9	12.6146
Cr 267.716	0.4065b	ppb	0.0963	23.7	23.1436
Cu 324.754	1.3514b	ppb	0.1183	8.8	176.862
Fe 271.441	4.8304b	ppb	5.8782	121.7	11.8880
K 766.491	100.270b	ppb	0.8256	0.8	5256.68
Mg 279.078	72.5559b	ppb	1.5922	2.2	176.490
Mn 257.610	0.1341b	ppb	0.0273	20.3	89.1172
Mo 202.032	-0.0731b	ppb	0.1051	143.7	8.7251
Na 330.237	166283xb	ppb	2047.67	1.2	8582.23
Ni 231.604	1.8058b	ppb	0.3261	18.1	7.0429
Pb 220.353	-1.6205b	ppb	1.8163	112.1	0.8435
Sb 206.834	1.7378b	ppb	4.2618	245.2	3.0897
Se 196.026	1.2120b	ppb	3.5441	292.4	-0.5434
Sn 189.925	1.1756b	ppb	1.4848	126.3	-0.3508
Sr 216.596	1.0506b	ppb	0.5405	51.4	18.6455
Ti 334.941	0.0823b	ppb	0.0260	31.6	-82.2913
Tl 190.794	-0.4879b	ppb	4.5356	929.7	-1.5586
V 292.401	0.1602b	ppb	0.0166	10.4	7.0267
Zn 206.200	2.3718b	ppb	0.7977	23.6	6.0554

680-88366-c-4-g (Samp) 3/27/2013, 2:30:30 AM Rack 3, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3526u	-0.2423u	-0.4163u
Al 308.215	4.8313	2.3607	4.3848
As 188.980	1.0422	-3.5974u	-0.5699
B 249.678	-8.4709u	-7.9438u	-8.6001u
Ba 389.178	14.8026	14.8544	15.0339
Be 313.042	-0.0294u	-0.0359u	-0.0298u
Ca 370.602	52390	52385	52298
Cd 226.502	0.8191	0.7131	0.5490
Co 228.615	1.4924	0.8193	0.6928
Cr 267.716	-0.1028u	-0.0369	-0.2549u
Cu 324.754	91.2646	91.3084	91.4682
Fe 271.441	-1.4846u	12.2544	17.8412
K 766.491	243.741	243.551	243.672
Mg 279.078	757.277	761.858	753.575
Mn 257.610	48.4069	48.4641	48.3631
Mo 202.032	0.0260	0.1239	-0.1332u
Na 330.237	161962x	162209x	162399x
Ni 231.604	1.5403	1.1442	1.8976
Pb 220.353	23.9455	25.2177	25.9412
Sb 206.834	0.7342	4.0382	3.3418
Se 196.026	11.3366	3.7834	3.7105
Sn 189.925	-0.2480u	2.6474	5.1864
Sr 216.596	77.9079	78.6720	77.1780
Ti 334.941	0.4892	0.4824	0.4361
Tl 190.794	1.4895	-3.2192u	-0.6448u
V 292.401	-0.1303u	-0.4577u	-0.3093u
Zn 206.200	417.588	416.074	418.181

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3371b	ppb	0.0880	26.1	-93.1858
Al 308.215	3.8589b	ppb	1.3166	34.1	287.903
As 188.980	-1.0417b	ppb	2.3555	226.1	-0.6118
B 249.678	-8.3383b	ppb	0.3477	4.2	117.033
Ba 389.178	14.8970b	ppb	0.1214	0.8	339.927
Be 313.042	-0.0317b	ppb	0.0037	11.5	-273.930
Ca 370.602	52357b	ppb	51.85	0.1	172654
Cd 226.502	0.6937b	ppb	0.1361	19.6	36.2786
Co 228.615	1.0015b	ppb	0.4298	42.9	23.6466
Cr 267.716	-0.1315b	ppb	0.1118	85.0	-0.2335
Cu 324.754	91.3471b	ppb	0.1072	0.1	4611.39
Fe 271.441	9.5370b	ppb	9.9453	104.3	20.0248
K 766.491	243.655b	ppb	0.0960	0.0	12479.4
Mg 279.078	757.570b	ppb	4.1491	0.5	1602.81
Mn 257.610	48.4114b	ppb	0.0506	0.1	11212.6
Mo 202.032	0.0056b	ppb	0.1298	2332.8	9.2480
Na 330.237	162190xb	ppb	219.394	0.1	8367.82
Ni 231.604	1.5273b	ppb	0.3768	24.7	6.3150
Pb 220.353	25.0348b	ppb	1.0104	4.0	44.8742
Sb 206.834	2.7047b	ppb	1.7417	64.4	3.9866
Se 196.026	6.2768b	ppb	4.3820	69.8	1.9588
Sn 189.925	2.5286b	ppb	2.7192	107.5	0.7199
Sr 216.596	77.9193b	ppb	0.7470	1.0	772.287
Ti 334.941	0.4692b	ppb	0.0289	6.2	23.3859
Tl 190.794	-0.7915b	ppb	2.3578	297.9	-1.8156
V 292.401	-0.2991b	ppb	0.1639	54.8	-5.8472
Zn 206.200	417.281b	ppb	1.0864	0.3	654.964

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88366-c-4-gSD^5 (Samp) 3/27/2013, 2:46:49 AM Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	-0.1523u	0.4295	-0.2650u
Al 308.215	-2.8795u	-1.4451u	-3.6852u
As 188.980	3.5547	-6.6270u	-0.6243u
B 249.678	4.4494	3.9937	3.1749
Ba 389.178	2.7649	1.6634	2.1709
Be 313.042	-0.0182u	-0.0268u	-0.0269u
Ca 370.602	10455	10486	10442
Cd 226.502	0.2170	0.2563	0.2843
Co 228.615	1.1209	0.5119	0.0444
Cr 267.716	-0.1755u	-0.4574u	-0.2134u
Cu 324.754	18.0475	18.6586	17.6583
Fe 271.441	-3.2295u	3.0946	8.3681
K 766.491	44.9254	44.7224	45.1750
Mg 279.078	148.587	156.066	153.433
Mn 257.610	9.7272	9.7345	9.6988
Mo 202.032	-0.1522u	-0.1634u	0.7897
Na 330.237	30745.0	30908.4	30475.1
Ni 231.604	0.0504	0.8291	-0.1357u
Pb 220.353	2.5309	4.6471	2.5550
Sb 206.834	0.3223	1.8868	1.9297
Se 196.026	6.4078	5.6331	9.3879
Sn 189.925	4.8179	4.1009	3.1085
Sr 216.596	16.0258	15.5642	16.2116
Ti 334.941	0.1753	0.1394	0.0982
Tl 190.794	0.9126	0.9479	-1.1858u
V 292.401	-0.4901u	-0.0919u	-0.7134u
Zn 206.200	84.5371	87.1926	85.9427

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0041	ppb	0.3727	9173.7	-66.5842
Al 308.215	-2.6699	ppb	1.1346	42.5	249.905
As 188.980	-1.2322	ppb	5.1180	415.3	-1.0833
B 249.678	3.8727	ppb	0.6458	16.7	232.307
Ba 389.178	2.1997	ppb	0.5513	25.1	24.7178
Be 313.042	-0.0240	ppb	0.0050	20.9	-257.679
Ca 370.602	10461	ppb	22.52	0.2	34492
Cd 226.502	0.2526	ppb	0.0338	13.4	20.4229
Co 228.615	0.5591	ppb	0.5398	96.6	18.4361
Cr 267.716	-0.2821	ppb	0.1529	54.2	-9.1158
Cu 324.754	18.1215	ppb	0.5043	2.8	1003.22
Fe 271.441	2.7444	ppb	5.8067	211.6	8.3568
K 766.491	44.9409	ppb	0.2267	0.5	2469.61
Mg 279.078	152.696	ppb	3.7934	2.5	343.293
Mn 257.610	9.7202	ppb	0.0188	0.2	2298.24
Mo 202.032	0.1580	ppb	0.5471	346.2	10.2602
Na 330.237	30709.5	ppb	218.787	0.7	1584.33
Ni 231.604	0.2480	ppb	0.5118	206.4	2.9685
Pb 220.353	3.2443	ppb	1.2149	37.4	8.8794
Sb 206.834	1.3796	ppb	0.9159	66.4	2.7465
Se 196.026	7.1429	ppb	1.9824	27.8	2.3752
Sn 189.925	4.0091	ppb	0.8584	21.4	1.8098
Sr 216.596	15.9339	ppb	0.3333	2.1	164.587
Ti 334.941	0.1376	ppb	0.0386	28.0	-57.1334
Tl 190.794	0.2249	ppb	1.2218	543.3	-1.0787
V 292.401	-0.4318	ppb	0.3148	72.9	-8.5162
Zn 206.200	85.8908	ppb	1.3285	1.5	136.679

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88366-c-4-gPDS (Samp) 3/27/2013, 2:52:15 AM Rack 3, Tube 16
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.9375	50.8068	50.9650
Al 308.215	1968.54	1964.37	1967.66
As 188.980	2175.26	2177.02	2164.13
B 249.678	1019.35	1027.82	1033.35
Ba 389.178	2048.80	2045.58	2048.35
Be 313.042	50.7034	50.7508	50.7391
Ca 370.602	56084	56087	56138
Cd 226.502	50.3268	50.5142	49.8096
Co 228.615	510.039	504.373	508.500
Cr 267.716	192.311	192.601	193.186
Cu 324.754	343.016	342.611	342.526
Fe 271.441	1025.09	1006.15	1015.38
K 766.491	6131.71	6106.36	6091.66
Mg 279.078	5662.91	5680.87	5669.20
Mn 257.610	553.425	553.752	554.149
Mo 202.032	498.910	499.382	502.667
Na 330.237	164513x	164174x	164790x
Ni 231.604	497.432	497.980	498.309
Pb 220.353	512.956	506.391	513.962
Sb 206.834	483.252	494.215	494.677
Se 196.026	2020.80	2063.51	2041.92
Sn 189.925	1010.52	1023.94	1029.75
Sr 216.596	577.725	578.834	581.465
Ti 334.941	977.815	978.109	980.556
Tl 190.794	1980.46	1991.16	1995.45
V 292.401	503.784	503.662	502.957
Zn 206.200	903.896	909.884	903.788

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9031b	ppb	0.0845	0.2	3495.19
Al 308.215	1966.86b	ppb	2.1942	0.1	11777.2
As 188.980	2172.14b	ppb	6.9894	0.3	1344.13
B 249.678	1026.84b	ppb	7.0532	0.7	9887.89
Ba 389.178	2047.58b	ppb	1.7469	0.1	50549.0
Be 313.042	50.7311b	ppb	0.0247	0.0	99270.6
Ca 370.602	56103b	ppb	30.25	0.1	185131
Cd 226.502	50.2169b	ppb	0.3650	0.7	1900.58
Co 228.615	507.637b	ppb	2.9298	0.6	5985.55
Cr 267.716	192.699b	ppb	0.4461	0.2	8417.28
Cu 324.754	342.718b	ppb	0.2618	0.1	17006.7
Fe 271.441	1015.54b	ppb	9.4722	0.9	1812.72
K 766.491	6109.91b	ppb	20.2608	0.3	307979
Mg 279.078	5670.99b	ppb	9.1136	0.2	11830.5
Mn 257.610	553.775b	ppb	0.3626	0.1	127635
Mo 202.032	500.320b	ppb	2.0463	0.4	3328.49
Na 330.237	164492xb	ppb	308.255	0.2	8474.80
Ni 231.604	497.907b	ppb	0.4435	0.1	1304.53
Pb 220.353	511.103b	ppb	4.1118	0.8	846.308
Sb 206.834	490.714b	ppb	6.4667	1.3	455.199
Se 196.026	2042.08b	ppb	21.3569	1.0	1003.10
Sn 189.925	1021.40b	ppb	9.8638	1.0	792.685
Sr 216.596	579.341b	ppb	1.9209	0.3	5633.70
Ti 334.941	978.826b	ppb	1.5049	0.2	259055
Tl 190.794	1989.03b	ppb	7.7194	0.4	1364.71
V 292.401	503.468b	ppb	0.4465	0.1	14066.1
Zn 206.200	905.856b	ppb	3.4887	0.4	1418.48

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88366-c-4-i msd (Samp) 3/27/2013, 3:03:08 AM Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	24.3457	24.3866	24.4453
Al 308.215	794.684	792.335	793.244
As 188.980	80.7972	83.5846	71.6959
B 249.678	159.996	158.935	161.348
Ba 389.178	89.7946	90.2465	88.6122
Be 313.042	80.1335	80.1880	80.3952
Ca 370.602	50073	50189	50302
Cd 226.502	77.6199	77.2017	77.4197
Co 228.615	78.9070	79.6000	79.0626
Cr 267.716	76.1905	76.7419	76.7875
Cu 324.754	154.987	154.944	155.088
Fe 271.441	7852.82	7835.66	7850.39
K 766.491	8995.19	8979.60	8983.10
Mg 279.078	8226.43	8238.88	8239.90
Mn 257.610	850.491	849.679	851.429
Mo 202.032	76.7016	77.1153	76.7953
Na 330.237	136828x	136987x	136730x
Ni 231.604	79.8669	79.3794	81.1222
Pb 220.353	95.5889	93.1907	100.013
Sb 206.834	77.8211	73.6612	78.2037
Se 196.026	86.5985	85.6530	81.2144
Sn 189.925	79.0572	77.2123	75.4937
Sr 216.596	140.278	140.731	140.617
Ti 334.941	77.8561	77.8326	78.1935
Tl 190.794	16.0204	17.4814	19.1430
V 292.401	79.6065	79.7864	80.1256
Zn 206.200	413.828	413.354	408.307

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.3925b	ppb	0.0501	0.2	1647.82
Al 308.215	793.421b	ppb	1.1844	0.1	4894.47
As 188.980	78.6926b	ppb	6.2175	7.9	48.6125
B 249.678	160.093b	ppb	1.2094	0.8	1699.63
Ba 389.178	89.5511b	ppb	0.8439	0.9	2216.50
Be 313.042	80.2389b	ppb	0.1381	0.2	157281
Ca 370.602	50188b	ppb	114.4	0.2	164879
Cd 226.502	77.4138b	ppb	0.2092	0.3	2939.76
Co 228.615	79.1899b	ppb	0.3636	0.5	941.699
Cr 267.716	76.5733b	ppb	0.3323	0.4	3351.60
Cu 324.754	155.006b	ppb	0.0743	0.0	7751.78
Fe 271.441	7846.29b	ppb	9.2849	0.1	13360.1
K 766.491	8985.96b	ppb	8.1807	0.1	452853
Mg 279.078	8235.07b	ppb	7.5043	0.1	17169.1
Mn 257.610	850.533b	ppb	0.8758	0.1	196015
Mo 202.032	76.8707b	ppb	0.2169	0.3	518.839
Na 330.237	136849xb	ppb	129.612	0.1	7056.98
Ni 231.604	80.1228b	ppb	0.8992	1.1	212.029
Pb 220.353	96.2642b	ppb	3.4609	3.6	162.496
Sb 206.834	76.5620b	ppb	2.5194	3.3	73.3790
Se 196.026	84.4887b	ppb	2.8747	3.4	40.6581
Sn 189.925	77.2544b	ppb	1.7821	2.3	58.7942
Sr 216.596	140.542b	ppb	0.2352	0.2	1381.32
Ti 334.941	77.9607b	ppb	0.2019	0.3	20573.1
Tl 190.794	17.5483b	ppb	1.5623	8.9	9.7342
V 292.401	79.8395b	ppb	0.2636	0.3	2229.39
Zn 206.200	411.830b	ppb	3.0599	0.7	646.200

mb 680-270591/1-a (Samp) **3/27/2013, 3:08:34 AM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-1.1134u	-0.4969u	-0.4318u
Al 308.215	-5.6110u	-3.1484u	-1.5858u
As 188.980	-2.6932u	1.8405	-5.2208u
B 249.678	-4.2202u	-5.1183u	-5.2520u
Ba 389.178	0.1307	0.8356	-0.0059u
Be 313.042	-0.0116u	-0.0091u	-0.0050u
Ca 370.602	-0.1935u	0.7395	-0.4772u
Cd 226.502	-0.1973u	0.1779	-0.1054u
Co 228.615	-0.3196u	0.1304	-0.0563u
Cr 267.716	-0.1551u	0.2241	-0.0995u
Cu 324.754	0.4521	0.4691	0.7740
Fe 271.441	3.1409	5.3795	-5.3163u
K 766.491	1.6233	1.5196	1.1079
Mg 279.078	-0.0264u	-3.2472u	-4.2969u
Mn 257.610	0.1081	0.1498	0.0769
Mo 202.032	0.0479	0.0375	0.2825
Na 330.237	-76.0278u	-0.4034u	144.407
Ni 231.604	1.7967	0.5677	1.9987
Pb 220.353	-2.9285u	-1.2196u	-2.6823u
Sb 206.834	-2.9336u	-3.1915u	-2.6450u
Se 196.026	4.7612	-3.9959u	2.2237
Sn 189.925	2.1275	-1.1224u	-1.3071u
Sr 216.596	0.0311	0.0861	-0.7767u
Ti 334.941	0.0149	0.0166	-0.0078u
Tl 190.794	4.2459	-2.0737u	4.6097
V 292.401	-0.2225u	0.0619	-0.0037u
Zn 206.200	-1.7387u	0.2869	1.0327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6807	ppb	0.3761	55.3	-114.110
Al 308.215	-3.4484	ppb	2.0293	58.8	245.367
As 188.980	-2.0245	ppb	3.5778	176.7	-1.6622
B 249.678	-4.8635	ppb	0.5611	11.5	149.844
Ba 389.178	0.3201	ppb	0.4516	141.1	-22.1307
Be 313.042	-0.0086	ppb	0.0034	39.2	-227.463
Ca 370.602	0.0229	ppb	0.6366	2776.2	-5.979
Cd 226.502	-0.0416	ppb	0.1955	470.5	9.5312
Co 228.615	-0.0818	ppb	0.2261	276.3	10.9041
Cr 267.716	-0.0101	ppb	0.2048	2020.2	2.2132
Cu 324.754	0.5651	ppb	0.1811	32.1	138.121
Fe 271.441	1.0680	ppb	5.6411	528.2	5.4443
K 766.491	1.4169	ppb	0.2726	19.2	277.189
Mg 279.078	-2.5235	ppb	2.2253	88.2	20.0786
Mn 257.610	0.1116	ppb	0.0366	32.8	84.4104
Mo 202.032	0.1226	ppb	0.1385	113.0	10.0248
Na 330.237	22.6586	ppb	112.012	494.3	1.1627
Ni 231.604	1.4544	ppb	0.7745	53.3	6.1236
Pb 220.353	-2.2768	ppb	0.9238	40.6	-0.2405
Sb 206.834	-2.9234	ppb	0.2734	9.4	-1.2660
Se 196.026	0.9963	ppb	4.5057	452.2	-0.6495
Sn 189.925	-0.1006	ppb	1.9319	1919.9	-1.3991
Sr 216.596	-0.2198	ppb	0.4830	219.7	6.2303
Ti 334.941	0.0079	ppb	0.0137	172.4	-89.8347
Tl 190.794	2.2606	ppb	3.7580	166.2	0.3295
V 292.401	-0.0547	ppb	0.1489	272.0	2.3207
Zn 206.200	-0.1397	ppb	1.4341	1046.5	2.1288

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

lles 680-270591/2-a (Samp) 3/27/2013, 3:14:00 AM Rack 3, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.0857	10.7145	9.7265
Al 308.215	193.542	192.162	196.848
As 188.980	20.9444	15.2603	21.1154
B 249.678	88.1026	89.3371	91.0523
Ba 389.178	10.3114	11.1607	10.0507
Be 313.042	4.0775	4.0960	4.1310
Ca 370.602	487.9	495.9	495.3
Cd 226.502	4.8782	4.9571	4.9251
Co 228.615	10.8533	10.6056	10.1230
Cr 267.716	9.4601	9.4769	9.8016
Cu 324.754	20.0126	19.2034	21.3498
Fe 271.441	22.8605	28.6200	34.8304
K 766.491	1049.70	1054.00	1064.59
Mg 279.078	509.642	508.219	516.687
Mn 257.610	10.3779	10.4967	10.4569
Mo 202.032	8.3428	8.7695	8.9034
Na 330.237	893.002	904.870	1063.22
Ni 231.604	40.6228	41.2922	41.5723
Pb 220.353	6.5927	9.9356	9.9208
Sb 206.834	20.2394	12.4940	24.0943
Se 196.026	25.3382	32.5394	19.9331
Sn 189.925	18.8338	23.6150	27.4988
Sr 216.596	10.1571	10.2425	10.4048
Ti 334.941	9.0934	9.1431	9.3213
Tl 190.794	18.4600	24.5875	21.1538
V 292.401	10.3760	10.7043	10.5392
Zn 206.200	22.0713	19.3352	19.3943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1756	ppb	0.5001	4.9	649.410
Al 308.215	194.184	ppb	2.4079	1.2	1397.14
As 188.980	19.1067	ppb	3.3322	17.4	11.4163
B 249.678	89.4973	ppb	1.4813	1.7	1040.56
Ba 389.178	10.5076	ppb	0.5804	5.5	230.961
Be 313.042	4.1015	ppb	0.0272	0.7	7838.59
Ca 370.602	493.0	ppb	4.416	0.9	1620
Cd 226.502	4.9201	ppb	0.0397	0.8	196.125
Co 228.615	10.5273	ppb	0.3714	3.5	135.528
Cr 267.716	9.5795	ppb	0.1925	2.0	420.809
Cu 324.754	20.1886	ppb	1.0840	5.4	1105.20
Fe 271.441	28.7703	ppb	5.9863	20.8	54.2213
K 766.491	1056.09	ppb	7.6640	0.7	53404.2
Mg 279.078	511.516	ppb	4.5345	0.9	1090.75
Mn 257.610	10.4438	ppb	0.0605	0.6	2467.02
Mo 202.032	8.6719	ppb	0.2928	3.4	66.7396
Na 330.237	953.697	ppb	95.0341	10.0	48.9805
Ni 231.604	41.1624	ppb	0.4879	1.2	109.974
Pb 220.353	8.8164	ppb	1.9258	21.8	18.0588
Sb 206.834	18.9426	ppb	5.9079	31.2	19.1468
Se 196.026	25.9369	ppb	6.3244	24.4	11.6166
Sn 189.925	23.3159	ppb	4.3402	18.6	16.8029
Sr 216.596	10.2682	ppb	0.1258	1.2	107.571
Ti 334.941	9.1860	ppb	0.1198	1.3	2342.10
Tl 190.794	21.4004	ppb	3.0712	14.4	13.4706
V 292.401	10.5398	ppb	0.1642	1.6	298.152
Zn 206.200	20.2670	ppb	1.5629	7.7	24.0147

ics 680-270591/3-a (Samp) 3/27/2013, 3:19:37 AM Rack 3, Tube 21

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	16.3961	16.5135	15.8320
Al 308.215	1982.84	1970.54	1966.76
As 188.980	35.0905	35.8118	39.4831
B 249.678	72.2311	71.3929	74.0214
Ba 389.178	41.3385	42.7166	41.0285
Be 313.042	20.8526	20.7040	20.6657
Ca 370.602	1974	1959	1960
Cd 226.502	20.5067	20.3922	20.1210
Co 228.615	21.3818	21.1321	20.6131
Cr 267.716	39.6811	39.2208	39.4386
Cu 324.754	42.6257	40.4225	41.0555
Fe 271.441	2064.67	2046.83	2051.22
K 766.491	2097.83	2087.94	2089.94
Mg 279.078	2034.48	2019.31	2024.23
Mn 257.610	209.731	208.239	207.888
Mo 202.032	39.3752	40.4297	38.9593
Na 330.237	1828.25	1988.18	2084.36
Ni 231.604	41.1899	41.2182	40.5813
Pb 220.353	20.5952	17.9595	19.0876
Sb 206.834	24.6220	20.2494	13.3896
Se 196.026	45.6109	46.1526	40.4811
Sn 189.925	79.9342	84.3691	78.2341
Sr 216.596	40.5872	40.5843	40.1330
Ti 334.941	40.1510	39.8024	39.8319
Tl 190.794	16.9426	10.3012	15.8296
V 292.401	41.4092	40.6384	41.1549
Zn 206.200	41.0154	42.0331	38.8763

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.2472	ppb	0.3643	2.2	1076.27
Al 308.215	1973.38	ppb	8.4103	0.4	11761.2
As 188.980	36.7951	ppb	2.3556	6.4	22.3461
B 249.678	72.5484	ppb	1.3427	1.9	878.666
Ba 389.178	41.6945	ppb	0.8986	2.2	1008.52
Be 313.042	20.7408	ppb	0.0987	0.5	40495.3
Ca 370.602	1964	ppb	8.145	0.4	6313
Cd 226.502	20.3400	ppb	0.1981	1.0	780.760
Co 228.615	21.0423	ppb	0.3921	1.9	258.826
Cr 267.716	39.4469	ppb	0.2302	0.6	1725.60
Cu 324.754	41.3679	ppb	1.1344	2.7	2149.95
Fe 271.441	2054.24	ppb	9.2949	0.5	3500.69
K 766.491	2091.90	ppb	5.2270	0.2	105581
Mg 279.078	2026.01	ppb	7.7394	0.4	4242.58
Mn 257.610	208.619	ppb	0.9786	0.5	48123.5
Mo 202.032	39.5881	ppb	0.7580	1.9	271.758
Na 330.237	1966.93	ppb	129.370	6.6	100.272
Ni 231.604	40.9965	ppb	0.3598	0.9	109.582
Pb 220.353	19.2141	ppb	1.3224	6.9	35.1790
Sb 206.834	19.4204	ppb	5.6619	29.2	19.6482
Se 196.026	44.0815	ppb	3.1298	7.1	20.5987
Sn 189.925	80.8458	ppb	3.1674	3.9	61.5213
Sr 216.596	40.4349	ppb	0.2614	0.6	401.327
Ti 334.941	39.9284	ppb	0.1933	0.5	10487.5
Tl 190.794	14.3578	ppb	3.5569	24.8	8.3674
V 292.401	41.0675	ppb	0.3927	1.0	1149.11
Zn 206.200	40.6416	ppb	1.6113	4.0	65.7871

Ics 680-270591/4-a (Samp) **3/27/2013, 3:25:05 AM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	81.5950	81.7237	80.6838
Al 308.215	782.044	777.806	794.655
As 188.980	90.4305	87.2051	88.0727
B 249.678	149.999	150.548	150.339
Ba 389.178	80.4139	80.1690	80.4728
Be 313.042	81.2019	80.8484	81.1840
Ca 370.602	7854	7815	7858
Cd 226.502	78.7451	78.2161	78.7521
Co 228.615	82.4478	80.5230	80.8704
Cr 267.716	78.7259	78.1482	78.3934
Cu 324.754	80.6065	80.1142	82.0360
Fe 271.441	8386.86	8347.40	8394.95
K 766.491	8452.00	8429.62	8486.24
Mg 279.078	8025.26	7976.45	8003.85
Mn 257.610	819.162	815.164	818.611
Mo 202.032	77.8846	78.9259	78.6333
Na 330.237	7315.00	7042.33	7046.44
Ni 231.604	78.2640	77.9257	80.5291
Pb 220.353	80.0432	80.3060	80.5271
Sb 206.834	75.6805	79.6919	73.8214
Se 196.026	82.8614	82.3940	79.4001
Sn 189.925	80.6970	77.5590	84.3980
Sr 216.596	85.0481	84.7616	82.9935
Ti 334.941	79.4074	78.6454	79.1362
Tl 190.794	25.8424	21.1414	17.4757
V 292.401	81.8750	81.5168	82.1190
Zn 206.200	77.5854	74.0870	75.3901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	81.3341	ppb	0.5669	0.7	5656.58
Al 308.215	784.835	ppb	8.7642	1.1	4844.67
As 188.980	88.5695	ppb	1.6691	1.9	54.3610
B 249.678	150.295	ppb	0.2769	0.2	1606.64
Ba 389.178	80.3519	ppb	0.1611	0.2	1989.53
Be 313.042	81.0781	ppb	0.1991	0.2	158928
Ca 370.602	7842	ppb	23.68	0.3	25190
Cd 226.502	78.5711	ppb	0.3074	0.4	2985.32
Co 228.615	81.2804	ppb	1.0258	1.3	966.214
Cr 267.716	78.4225	ppb	0.2899	0.4	3430.16
Cu 324.754	80.9189	ppb	0.9983	1.2	4101.32
Fe 271.441	8376.40	ppb	25.4432	0.3	14261.8
K 766.491	8455.95	ppb	28.5200	0.3	426155
Mg 279.078	8001.85	ppb	24.4649	0.3	16683.8
Mn 257.610	817.646	ppb	2.1669	0.3	188441
Mo 202.032	78.4813	ppb	0.5370	0.7	529.499
Na 330.237	7134.59	ppb	156.251	2.2	364.509
Ni 231.604	78.9062	ppb	1.4156	1.8	208.859
Pb 220.353	80.2921	ppb	0.2423	0.3	136.108
Sb 206.834	76.3979	ppb	3.0003	3.9	73.2399
Se 196.026	81.5518	ppb	1.8781	2.3	39.2092
Sn 189.925	80.8846	ppb	3.4234	4.2	61.5555
Sr 216.596	84.2677	ppb	1.1128	1.3	829.362
Ti 334.941	79.0630	ppb	0.3862	0.5	20873.7
Tl 190.794	21.4865	ppb	4.1941	19.5	12.4541
V 292.401	81.8370	ppb	0.3029	0.4	2286.20
Zn 206.200	75.6875	ppb	1.7681	2.3	129.477

480-34565-g-1-d (Samp) **3/27/2013, 3:30:31 AM** **Rack 3, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4325u	-0.2521u	-0.5320u
Al 308.215	-0.0889u	-1.5391u	-1.6186u
As 188.980	-5.1942u	-6.9839u	1.8505
B 249.678	14.0633	9.9703	13.4576
Ba 389.178	194.366	187.152	192.732
Be 313.042	-0.0297u	-0.0272u	-0.0209u
Ca 370.602	63613	61562	63350
Cd 226.502	0.1411	-0.1356u	-0.0283u
Co 228.615	-0.1670u	-0.0084u	0.0982
Cr 267.716	-0.0261	-0.0515u	0.1682
Cu 324.754	0.3708	0.5887	0.5532
Fe 271.441	15.3530	12.6609	12.9747
K 766.491	1717.39	1667.31	1718.10
Mg 279.078	8523.75	8221.90	8498.61
Mn 257.610	0.6118	0.5912	0.6319
Mo 202.032	0.0171	-0.2532u	0.2251
Na 330.237	74032.9	72037.6	74233.5
Ni 231.604	0.4940	0.3005	0.9054
Pb 220.353	-1.7178u	-0.8942u	-2.9704u
Sb 206.834	8.9269	-0.1241u	-2.4110u
Se 196.026	-6.0261u	9.8829	4.4771
Sn 189.925	2.8361	-2.1446u	-4.7214u
Sr 216.596	127.821	122.898	126.677
Ti 334.941	0.0571	0.0252	0.0953
Tl 190.794	-3.1672u	0.3006	-2.3321u
V 292.401	-0.8891u	-1.1149u	-1.0819u
Zn 206.200	0.6525	0.6072	1.1738

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4055	ppb	0.1419	35.0	-100.406
Al 308.215	-1.0822	ppb	0.8611	79.6	259.106
As 188.980	-3.4426	ppb	4.6704	135.7	-2.0095
B 249.678	12.4971	ppb	2.2091	17.7	313.714
Ba 389.178	191.417	ppb	3.7826	2.0	4719.80
Be 313.042	-0.0259	ppb	0.0046	17.6	-248.314
Ca 370.602	62842	ppb	1116	1.8	207226
Cd 226.502	-0.0076	ppb	0.1395	1837.2	10.5264
Co 228.615	-0.0257	ppb	0.1334	518.4	11.5819
Cr 267.716	0.0302	ppb	0.1202	398.1	5.1975
Cu 324.754	0.5042	ppb	0.1169	23.2	135.126
Fe 271.441	13.6629	ppb	1.4721	10.8	26.8122
K 766.491	1700.94	ppb	29.1210	1.7	85886.6
Mg 279.078	8414.75	ppb	167.489	2.0	17555.6
Mn 257.610	0.6116	ppb	0.0203	3.3	246.915
Mo 202.032	-0.0037	ppb	0.2398	6526.3	9.1877
Na 330.237	73434.7	ppb	1214.05	1.7	3790.11
Ni 231.604	0.5666	ppb	0.3089	54.5	3.8021
Pb 220.353	-1.8608	ppb	1.0455	56.2	0.4471
Sb 206.834	2.1306	ppb	5.9958	281.4	3.4544
Se 196.026	2.7780	ppb	8.0895	291.2	0.2268
Sn 189.925	-1.3433	ppb	3.8420	286.0	-2.3156
Sr 216.596	125.799	ppb	2.5760	2.0	1239.72
Ti 334.941	0.0592	ppb	0.0351	59.2	-45.8322
Tl 190.794	-1.7329	ppb	1.8099	104.4	-2.4153
V 292.401	-1.0286	ppb	0.1220	11.9	-25.4855
Zn 206.200	0.8111	ppb	0.3149	38.8	2.6158

480-34565-g-1-dSD^5 (Samp) 3/27/2013, 3:35:57 AM Rack 3, Tube 24

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3961u	-0.1641u	0.3030
Al 308.215	0.8066	-0.2024u	-3.0879u
As 188.980	-3.8583u	-7.2420u	-3.3174u
B 249.678	-9.2055u	-8.0115u	-8.1107u
Ba 389.178	38.3798	37.8038	39.0475
Be 313.042	-0.0231u	-0.0173u	-0.0134u
Ca 370.602	12752	12739	12702
Cd 226.502	-0.2610u	0.0955	0.0879
Co 228.615	0.7313	0.6373	0.6900
Cr 267.716	-0.1469u	-0.1531u	-0.0444u
Cu 324.754	0.0235	-0.2950u	0.0705
Fe 271.441	1.4870	2.7991	-4.2648u
K 766.491	325.646	325.347	325.622
Mg 279.078	1724.98	1730.99	1726.73
Mn 257.610	0.1384	0.1198	0.1728
Mo 202.032	0.3988	-0.0635u	-0.1114u
Na 330.237	14431.2	14293.0	14165.5
Ni 231.604	-1.7981u	0.8043	-1.2449u
Pb 220.353	2.7533	-2.3269u	-0.3204u
Sb 206.834	0.3126	-0.3943u	-0.5973u
Se 196.026	0.9540	2.3277	1.9341
Sn 189.925	-3.4982u	-2.4185u	1.4686
Sr 216.596	25.0931	25.2270	25.6048
Ti 334.941	-0.0006	0.0803	0.0490
Tl 190.794	-4.0112u	9.1789	-1.6088u
V 292.401	-0.5350u	-0.5460u	-0.3481u
Zn 206.200	-0.0868u	-0.4131u	-0.2301u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0857	ppb	0.3561	415.4	-73.4065
Al 308.215	-0.8279	ppb	2.0212	244.1	260.618
As 188.980	-4.8059	ppb	2.1270	44.3	-3.2760
B 249.678	-8.4426	ppb	0.6626	7.8	116.056
Ba 389.178	38.4104	ppb	0.6224	1.6	923.200
Be 313.042	-0.0179	ppb	0.0049	27.2	-243.111
Ca 370.602	12731	ppb	25.72	0.2	41976
Cd 226.502	-0.0259	ppb	0.2037	787.8	10.0689
Co 228.615	0.6862	ppb	0.0471	6.9	19.9339
Cr 267.716	-0.1148	ppb	0.0610	53.2	-2.1175
Cu 324.754	-0.0670	ppb	0.1988	296.7	106.977
Fe 271.441	0.0071	ppb	3.7573	52971.5	3.6974
K 766.491	325.538	ppb	0.1666	0.1	16604.1
Mg 279.078	1727.57	ppb	3.0901	0.2	3624.35
Mn 257.610	0.1437	ppb	0.0269	18.7	101.533
Mo 202.032	0.0747	ppb	0.2818	377.4	9.7070
Na 330.237	14296.6	ppb	132.874	0.9	737.870
Ni 231.604	-0.7462	ppb	1.3710	183.7	0.3683
Pb 220.353	0.0354	ppb	2.5587	7236.8	3.5779
Sb 206.834	-0.2263	ppb	0.4777	211.1	1.2495
Se 196.026	1.7386	ppb	0.7074	40.7	-0.2845
Sn 189.925	-1.4827	ppb	2.6123	176.2	-2.4636
Sr 216.596	25.3083	ppb	0.2654	1.0	256.139
Ti 334.941	0.0429	ppb	0.0408	95.0	-74.2481
Tl 190.794	1.1863	ppb	7.0253	592.2	-0.4086
V 292.401	-0.4763	ppb	0.1112	23.3	-9.5998
Zn 206.200	-0.2433	ppb	0.1636	67.2	81.9672

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Cont Calib Verif (CCV) **3/27/2013, 3:41:24 AM** **Rack 3, Tube 25****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	495.392	498.608	489.820
Al 308.215	4954.93	4948.91	4947.09
As 188.980	459.411	464.336	454.050
B 249.678	2450.69	2475.56	2492.63
Ba 389.178	4934.83	4927.53	4919.21
Be 313.042	491.383	490.380	490.246
Ca 370.602	4889	4872	4869
Cd 226.502	476.836	476.684	476.967
Co 228.615	492.154	492.257	491.703
Cr 267.716	4737.34	4723.04	4720.34
Cu 324.754	4846.41	4921.55	4832.70
Fe 271.441	4940.09	4929.95	4937.58
K 766.491	10179.6	10144.7	10099.3
Mg 279.078	4852.70	4841.30	4850.16
Mn 257.610	4921.88	4920.59	4913.56
Mo 202.032	478.372	475.993	475.690
Na 330.237	7474.27	7251.80	7400.53
Ni 231.604	2442.43	2436.18	2439.39
Pb 220.353	479.268	477.236	479.502
Sb 206.834	918.450	923.936	922.391
Se 196.026	4828.83	4801.43	4809.29
Sn 189.925	4997.42	4902.60	4921.77
Sr 216.596	2398.43	2389.17	2387.47
Ti 334.941	483.471	480.907	479.897
Tl 190.794	4837.76	4829.83	4806.44
V 292.401	4912.35	4911.93	4902.31
Zn 206.200	2434.35	2431.34	2423.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.607	ppb	4.4463	0.9	34679.4	98.92134
Al 308.215	4950.31	ppb	4.1010	0.1	29067.5	99.00617
As 188.980	459.266	ppb	5.1441	1.1	283.665	91.85315
B 249.678	2472.96	ppb	21.0912	0.9	23535.3	98.91843
Ba 389.178	4927.19	ppb	7.8145	0.2	121665	98.54379
Be 313.042	490.670	ppb	0.6215	0.1	962695	98.13396
Ca 370.602	4877	ppb	10.87	0.2	15942	97.53526
Cd 226.502	476.829	ppb	0.1414	0.0	17948.3	95.36580
Co 228.615	492.038	ppb	0.2945	0.1	5801.66	98.40760
Cr 267.716	4726.91	ppb	9.1357	0.2	206337	94.53816
Cu 324.754	4866.89	ppb	47.8320	1.0	239892	97.33775
Fe 271.441	4935.87	ppb	5.2808	0.1	8518.36	98.71743
K 766.491	10141.2	ppb	40.2255	0.4	511046	101.41210
Mg 279.078	4848.05	ppb	5.9819	0.1	10047.1	96.96109
Mn 257.610	4918.68	ppb	4.4792	0.1	1132939	98.37356
Mo 202.032	476.685	ppb	1.4690	0.3	3163.88	95.33700
Na 330.237	7375.53	ppb	113.325	1.5	357.125	98.34045
Ni 231.604	2439.34	ppb	3.1274	0.1	6382.08	97.57344
Pb 220.353	478.668	ppb	1.2465	0.3	793.936	95.73370
Sb 206.834	921.592	ppb	2.8290	0.3	903.540	92.15922
Se 196.026	4813.18	ppb	14.1096	0.3	2366.76	96.26369
Sn 189.925	4940.60	ppb	50.1353	1.0	3838.97	98.81199
Sr 216.596	2391.69	ppb	5.8974	0.2	23257.3	95.66754
Ti 334.941	481.425	ppb	1.8426	0.4	127381	96.28493
Tl 190.794	4824.68	ppb	16.2800	0.3	3309.60	96.49352
V 292.401	4908.86	ppb	5.6780	0.1	137681	98.17719
Zn 206.200	2429.72	ppb	5.6163	0.2	2787.66	97.18893

Cont Calib Blank (CCB) **3/27/2013, 3:46:50 AM** **Rack 3, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5975u	0.2540	0.3335
Al 308.215	-2.3005u	-4.6943u	-4.4510u
As 188.980	-5.9715u	-1.2015u	4.3041
B 249.678	43.8534	39.5330	34.3549
Ba 389.178	-0.4674u	-0.7040u	-0.1764u
Be 313.042	-0.0091u	-0.0005u	-0.0032u
Ca 370.602	-1.491u	-0.0381	3.890
Cd 226.502	-0.0260u	-0.2040u	-0.1560u
Co 228.615	0.5062	0.2953	0.7918
Cr 267.716	-0.0208u	0.1319	-0.0347u
Cu 324.754	-0.0336u	0.5803	-0.3465u
Fe 271.441	4.8269	-5.3459u	-4.7285u
K 766.491	-0.0270u	1.1832	0.4221
Mg 279.078	-2.9956u	0.2913	-3.6434u
Mn 257.610	0.0824	0.0891	0.1271
Mo 202.032	0.5055	0.9795	0.4889
Na 330.237	26.9456	-0.5984u	125.846
Ni 231.604	0.1725	0.4371	0.3136
Pb 220.353	-0.9790u	0.4192	0.7400
Sb 206.834	7.8472	6.1413	4.2378
Se 196.026	3.4359	5.7964	-2.2531u
Sn 189.925	4.2409	5.3824	0.0399
Sr 216.596	0.2689	0.3523	-0.5725u
Ti 334.941	0.1257	0.1244	0.1107
Tl 190.794	0.5511	-1.0786u	3.2982
V 292.401	0.1934	0.0877	0.0767
Zn 206.200	-1.7799u	0.5881	0.4831

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0033	ppb	0.5161	15530.3	-66.4508	-0.00332
Al 308.215	-3.8153	ppb	1.3175	34.5	243.273	-3.81529
As 188.980	-0.9563	ppb	5.1422	537.7	-1.0012	-0.95631
B 249.678	39.2471	ppb	4.7557	12.1	566.237	39.24711
Ba 389.178	-0.4493	ppb	0.2642	58.8	-41.1239	-0.44926
Be 313.042	-0.0043	ppb	0.0044	103.2	-219.131	-0.00428
Ca 370.602	0.7872	ppb	2.784	353.7	-3.451	0.78720
Cd 226.502	-0.1286	ppb	0.0921	71.6	6.2576	-0.12865
Co 228.615	0.5311	ppb	0.2492	46.9	18.0959	0.53111
Cr 267.716	0.0254	ppb	0.0925	363.5	3.7661	0.02543
Cu 324.754	0.0667	ppb	0.4715	706.7	113.573	0.06673
Fe 271.441	-1.7492	ppb	5.7034	326.1	0.7259	-1.74917
K 766.491	0.5261	ppb	0.6118	116.3	232.315	0.52609
Mg 279.078	-2.1159	ppb	2.1097	99.7	20.9280	-2.11590
Mn 257.610	0.0996	ppb	0.0241	24.2	81.6383	0.09955
Mo 202.032	0.6579	ppb	0.2786	42.3	13.5768	0.65792
Na 330.237	50.7309	ppb	66.4931	131.1	2.6138	50.73094
Ni 231.604	0.3077	ppb	0.1324	43.0	3.1247	0.30774
Pb 220.353	0.0601	ppb	0.9140	1521.4	3.6181	0.06008
Sb 206.834	6.0754	ppb	1.8056	29.7	7.1252	6.07544
Se 196.026	2.3264	ppb	4.1379	177.9	0.0045	2.32642
Sn 189.925	3.2211	ppb	2.8135	87.3	1.1828	3.22109
Sr 216.596	0.0162	ppb	0.5115	3150.3	8.5386	0.01624
Ti 334.941	0.1203	ppb	0.0083	6.9	-60.0955	0.12025
Tl 190.794	0.9236	ppb	2.2121	239.5	-0.5889	0.92358
V 292.401	0.1193	ppb	0.0644	54.0	7.1464	0.11928
Zn 206.200	-0.2362	ppb	1.3379	546.3	89.9776	-0.23623

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480-34565-g-1-dPDS (Samp) 3/27/2013, 3:52:17 AM Rack 3, Tube 27**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.8367	50.9712	50.8018
Al 308.215	1970.38	1968.26	1966.36
As 188.980	2174.25	2177.54	2166.78
B 249.678	1051.57	1058.45	1063.49
Ba 389.178	2236.91	2233.58	2233.65
Be 313.042	50.6560	50.5191	50.5538
Ca 370.602	67673	67672	67826
Cd 226.502	49.6642	49.1729	49.5861
Co 228.615	511.698	505.682	509.462
Cr 267.716	194.205	194.378	194.412
Cu 324.754	251.693	250.124	249.904
Fe 271.441	1022.22	1026.75	1022.66
K 766.491	7487.48	7463.08	7447.56
Mg 279.078	13493.7	13511.5	13526.1
Mn 257.610	510.781	509.864	510.440
Mo 202.032	497.354	496.426	498.671
Na 330.237	78378.9	78129.3	78226.8
Ni 231.604	498.868	494.071	495.235
Pb 220.353	491.905	491.966	495.669
Sb 206.834	488.362	499.093	500.334
Se 196.026	2031.45	2037.27	2017.93
Sn 189.925	1018.74	1028.83	1018.17
Sr 216.596	631.433	631.621	633.374
Ti 334.941	978.013	977.908	979.387
Tl 190.794	2012.79	2019.49	2036.05
V 292.401	503.174	501.931	502.511
Zn 206.200	496.674	498.600	497.030

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2032	ppb	0.5551	1.1	3513.88
Al 308.215	1968.33	ppb	2.0082	0.1	11785.3
As 188.980	2172.86	ppb	5.5135	0.3	1344.67
B 249.678	1057.83	ppb	5.9814	0.6	10180.5
Ba 389.178	2234.72	ppb	1.9019	0.1	55191.5
Be 313.042	50.5763	ppb	0.0711	0.1	98981.6
Ca 370.602	67723	ppb	88.52	0.1	223448
Cd 226.502	49.4744	ppb	0.2640	0.5	1873.30
Co 228.615	508.947	ppb	3.0408	0.6	6000.96
Cr 267.716	194.332	ppb	0.1113	0.1	8486.97
Cu 324.754	250.574	ppb	0.9758	0.4	12466.2
Fe 271.441	1023.88	ppb	2.5003	0.2	1827.49
K 766.491	7466.04	ppb	20.1200	0.3	376291
Mg 279.078	13510.4	ppb	16.2166	0.1	28163.0
Mn 257.610	510.362	ppb	0.4640	0.1	117681
Mo 202.032	497.484	ppb	1.1285	0.2	3309.67
Na 330.237	78245.0	ppb	125.821	0.2	4026.48
Ni 231.604	496.058	ppb	2.5019	0.5	1299.69
Pb 220.353	493.180	ppb	2.1558	0.4	816.706
Sb 206.834	495.930	ppb	6.5829	1.3	460.127
Se 196.026	2028.88	ppb	9.9224	0.5	996.603
Sn 189.925	1021.91	ppb	5.9997	0.6	793.058
Sr 216.596	632.143	ppb	1.0707	0.2	6149.33
Ti 334.941	978.436	ppb	0.8252	0.1	258991
Tl 190.794	2022.77	ppb	11.9701	0.6	1387.94
V 292.401	502.539	ppb	0.6217	0.1	14041.5
Zn 206.200	497.435	ppb	1.0247	0.2	779.718

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480-34565-g-1-e ms (Samp) 3/27/2013, 3:57:44 AM Rack 3, Tube 28**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	17.0447	16.2323	16.9670
Al 308.215	2029.43	2031.75	2036.57
As 188.980	40.7566	42.5466	43.0502
B 249.678	124.292	124.003	121.765
Ba 389.178	238.758	236.289	238.192
Be 313.042	21.1702	21.2132	21.2336
Ca 370.602	66223	66335	66428
Cd 226.502	20.5481	20.5355	20.3183
Co 228.615	20.7620	19.9858	20.7245
Cr 267.716	40.0431	39.8574	39.8811
Cu 324.754	40.3677	41.7320	41.0017
Fe 271.441	2084.70	2089.28	2093.94
K 766.491	4061.54	4047.22	4055.96
Mg 279.078	10691.3	10678.5	10691.6
Mn 257.610	211.084	211.142	211.295
Mo 202.032	40.9641	40.9009	40.1628
Na 330.237	77012.0	76847.4	77273.8
Ni 231.604	42.0369	41.9492	40.9624
Pb 220.353	18.3342	16.1485	18.7661
Sb 206.834	21.9981	17.4456	18.6626
Se 196.026	40.7614	47.5274	39.4360
Sn 189.925	84.3641	81.2845	79.6236
Sr 216.596	169.541	170.712	171.070
Ti 334.941	40.5216	40.6003	40.7685
Tl 190.794	15.5795	20.3826	25.2913
V 292.401	41.1378	39.9865	40.8788
Zn 206.200	40.7617	40.9681	40.9165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.7480	ppb	0.4483	2.7	1105.69
Al 308.215	2032.58	ppb	3.6431	0.2	12106.0
As 188.980	42.1178	ppb	1.2054	2.9	26.1810
B 249.678	123.353	ppb	1.3832	1.1	1358.22
Ba 389.178	237.746	ppb	1.2932	0.5	5873.52
Be 313.042	21.2057	ppb	0.0324	0.2	41421.1
Ca 370.602	66329	ppb	102.3	0.2	218565
Cd 226.502	20.4673	ppb	0.1292	0.6	785.301
Co 228.615	20.4908	ppb	0.4377	2.1	252.340
Cr 267.716	39.9272	ppb	0.1011	0.3	1747.84
Cu 324.754	41.0338	ppb	0.6827	1.7	2133.52
Fe 271.441	2089.31	ppb	4.6204	0.2	3560.29
K 766.491	4054.91	ppb	7.2178	0.2	204463
Mg 279.078	10687.1	ppb	7.5076	0.1	22286.1
Mn 257.610	211.173	ppb	0.1089	0.1	48760.5
Mo 202.032	40.6759	ppb	0.4455	1.1	278.977
Na 330.237	77044.4	ppb	214.998	0.3	3975.16
Ni 231.604	41.6495	ppb	0.5967	1.4	111.291
Pb 220.353	17.7496	ppb	1.4033	7.9	32.7585
Sb 206.834	19.3688	ppb	2.3570	12.2	19.5981
Se 196.026	42.5749	ppb	4.3398	10.2	19.8588
Sn 189.925	81.7574	ppb	2.4054	2.9	62.2804
Sr 216.596	170.441	ppb	0.7995	0.5	1673.71
Ti 334.941	40.6301	ppb	0.1261	0.3	10704.6
Tl 190.794	20.4178	ppb	4.8560	23.8	12.5259
V 292.401	40.6677	ppb	0.6040	1.5	1137.17
Zn 206.200	40.8821	ppb	0.1974	0.3	661618

480-34565-g-1-f msd (Samp) 3/27/2013, 4:03:10 AM Rack 3, Tube 29**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	16.0035	15.3318	16.4016
Al 308.215	2035.06	2029.50	2030.66
As 188.980	36.4665	41.0061	40.2314
B 249.678	104.261	104.864	103.787
Ba 389.178	234.165	233.971	234.346
Be 313.042	21.1504	21.1749	21.1210
Ca 370.602	65266	65360	65263
Cd 226.502	20.1778	20.5265	20.3158
Co 228.615	21.0083	20.5538	21.1788
Cr 267.716	40.1249	40.3184	39.6765
Cu 324.754	41.3885	40.7565	41.0577
Fe 271.441	2091.14	2083.25	2075.98
K 766.491	4002.27	4000.33	3992.29
Mg 279.078	10519.1	10535.7	10533.5
Mn 257.610	210.455	210.619	210.113
Mo 202.032	40.5593	40.2222	40.3865
Na 330.237	75636.3	75795.4	76003.8
Ni 231.604	42.3033	41.0046	40.7426
Pb 220.353	15.5058	15.8897	17.7147
Sb 206.834	17.8737	26.2808	17.0016
Se 196.026	49.5977	45.1339	45.3636
Sn 189.925	85.3065	86.2049	79.6519
Sr 216.596	169.221	168.162	167.246
Ti 334.941	40.3930	40.5069	40.4310
Tl 190.794	24.5151	17.7989	19.8278
V 292.401	40.9780	40.7075	40.9336
Zn 206.200	42.2944	39.8728	40.4227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.9123	ppb	0.5407	3.4	1047.01
Al 308.215	2031.74	ppb	2.9318	0.1	12101.1
As 188.980	39.2347	ppb	2.4284	6.2	24.3876
B 249.678	104.304	ppb	0.5399	0.5	1178.41
Ba 389.178	234.161	ppb	0.1875	0.1	5784.52
Be 313.042	21.1488	ppb	0.0270	0.1	41309.2
Ca 370.602	65297	ppb	55.06	0.1	215161
Cd 226.502	20.3400	ppb	0.1756	0.9	780.508
Co 228.615	20.9136	ppb	0.3230	1.5	257.311
Cr 267.716	40.0399	ppb	0.3293	0.8	1752.73
Cu 324.754	41.0676	ppb	0.3161	0.8	2135.18
Fe 271.441	2083.45	ppb	7.5814	0.4	3550.40
K 766.491	3998.29	ppb	5.2920	0.1	201611
Mg 279.078	10529.4	ppb	9.0020	0.1	21957.6
Mn 257.610	210.396	ppb	0.2581	0.1	48580.5
Mo 202.032	40.3893	ppb	0.1686	0.4	277.075
Na 330.237	75811.8	ppb	184.270	0.2	3911.55
Ni 231.604	41.3502	ppb	0.8358	2.0	110.508
Pb 220.353	16.3701	ppb	1.1802	7.2	30.4803
Sb 206.834	20.3854	ppb	5.1242	25.1	20.5491
Se 196.026	46.6984	ppb	2.5135	5.4	21.8861
Sn 189.925	83.7211	ppb	3.5525	4.2	63.8059
Sr 216.596	168.210	ppb	0.9887	0.6	1651.89
Ti 334.941	40.4436	ppb	0.0580	0.1	10654.7
Tl 190.794	20.7139	ppb	3.4447	16.6	12.7306
V 292.401	40.8730	ppb	0.1450	0.4	1142.99
Zn 206.200	40.8633	ppb	1.2695	3.1	66.1319

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680-88588-f-1-a (Samp) 3/27/2013, 4:08:37 AM Rack 3, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5276u	-0.5491u	-0.9691u
Al 308.215	3.5240	2.6071	3.9389
As 188.980	0.4127	2.9812	-6.6962u
B 249.678	2.3962	1.3122	-0.3839u
Ba 389.178	174.764	174.247	174.141
Be 313.042	-0.0582u	-0.0702u	-0.0589u
Ca 370.602	231543	231175	231739
Cd 226.502	-0.0649u	-0.1697u	-0.1481u
Co 228.615	-0.0320u	0.3290	0.2767
Cr 267.716	0.0141	-0.2438u	-0.2895u
Cu 324.754	-0.7910u	-0.6296u	-1.2279u
Fe 271.441	14.4866	13.4498	7.6817
K 766.491	1178.58	1181.55	1179.11
Mg 279.078	11178.3	11185.1	11182.7
Mn 257.610	0.0063	0.0750	0.0805
Mo 202.032	0.5544	-0.0564u	0.5136
Na 330.237	25451.7	25508.2	25763.6
Ni 231.604	1.0498	-0.8137u	2.6554
Pb 220.353	-1.5400u	-5.1771u	-0.8792u
Sb 206.834	-7.2388u	-3.4481u	-6.2431u
Se 196.026	-4.7880u	-1.5098u	-1.7757u
Sn 189.925	4.7167	-3.3801u	-0.6985u
Sr 216.596	523.433	524.395	523.262
Ti 334.941	0.6290	0.6836	0.7636
Tl 190.794	-3.5102u	-0.7840u	-3.3807u
V 292.401	-2.5029u	-2.9585u	-2.7649u
Zn 206.200	2.1384	1.3722	0.7364

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6819	ppb	0.2489	36.5	-137.284
Al 308.215	3.3567	ppb	0.6815	20.3	285.057
As 188.980	-1.1008	ppb	5.0131	455.4	0.8558
B 249.678	1.1082	ppb	1.4012	126.4	206.207
Ba 389.178	174.384	ppb	0.3333	0.2	4306.91
Be 313.042	-0.0624	ppb	0.0067	10.7	-253.696
Ca 370.602	231486	ppb	286.1	0.1	763363
Cd 226.502	-0.1276	ppb	0.0553	43.4	6.3193
Co 228.615	0.1912	ppb	0.1951	102.0	14.1272
Cr 267.716	-0.1731	ppb	0.1637	94.6	-4.4510
Cu 324.754	-0.8828	ppb	0.3095	35.1	66.8101
Fe 271.441	11.8727	ppb	3.6663	30.9	23.7529
K 766.491	1179.75	ppb	1.5834	0.1	59632.8
Mg 279.078	11182.0	ppb	3.4368	0.0	23320.7
Mn 257.610	0.0539	ppb	0.0413	76.6	136.272
Mo 202.032	0.3372	ppb	0.3415	101.3	11.4527
Na 330.237	25574.5	ppb	166.196	0.6	1319.94
Ni 231.604	0.9639	ppb	1.7361	180.1	4.8409
Pb 220.353	-2.5321	ppb	2.3143	91.4	-0.6628
Sb 206.834	-5.6433	ppb	1.9652	34.8	-3.8065
Se 196.026	-2.6912	ppb	1.8208	67.7	-2.4626
Sn 189.925	0.2127	ppb	4.1246	1939.3	-1.0566
Sr 216.596	523.697	ppb	0.6104	0.1	5131.43
Ti 334.941	0.6921	ppb	0.0677	9.8	137.065
Tl 190.794	-2.5583	ppb	1.5380	60.1	-2.9824
V 292.401	-2.7421	ppb	0.2287	8.3	-73.3396
Zn 206.200	1.4157	ppb	0.7020	49.6	4.5619

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680-88588-e-1-d (Samp) 3/27/2013, 4:14:04 AM Rack 3, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9679u	-1.5837u	-0.3795u
Al 308.215	6.4458	4.0030	3.9083
As 188.980	-3.9727u	-4.1800u	-3.8205u
B 249.678	-3.4136u	-3.8323u	-4.2802u
Ba 389.178	177.905	178.446	179.174
Be 313.042	-0.0571u	-0.0654u	-0.0580u
Ca 370.602	237022	236420	237782
Cd 226.502	0.1559	-0.1457u	-0.2931u
Co 228.615	0.3288	0.2158	-0.5433u
Cr 267.716	0.4432	0.3502	0.3750
Cu 324.754	-0.2777u	-0.2741u	0.4599
Fe 271.441	19.0286	18.8834	10.6483
K 766.491	1208.51	1211.09	1213.51
Mg 279.078	11438.9	11442.2	11434.7
Mn 257.610	0.3979	0.3593	0.3628
Mo 202.032	0.1416	-0.4284u	0.3086
Na 330.237	26332.4	25908.4	26110.7
Ni 231.604	1.4375	0.7143	0.6053
Pb 220.353	-2.2803u	-0.8459u	-2.9290u
Sb 206.834	-8.4633u	7.0833	6.6451
Se 196.026	1.9026	-3.0920u	0.0492
Sn 189.925	-0.0839	0.7129	0.3199
Sr 216.596	535.542	533.604	535.800
Ti 334.941	0.4923	0.4860	0.5057
Tl 190.794	8.0948	-0.1301u	0.8179
V 292.401	-2.2245u	-2.8171u	-2.7793u
Zn 206.200	1.6264	1.8362	1.9265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9771	ppb	0.6021	61.6	-158.677
Al 308.215	4.7857	ppb	1.4384	30.1	293.333
As 188.980	-3.9910	ppb	0.1804	4.5	-0.8824
B 249.678	-3.8421	ppb	0.4334	11.3	159.470
Ba 389.178	178.508	ppb	0.6368	0.4	4409.49
Be 313.042	-0.0602	ppb	0.0046	7.6	-247.109
Ca 370.602	237075	ppb	682.8	0.3	781793
Cd 226.502	-0.0943	ppb	0.2289	242.8	7.5900
Co 228.615	0.0004	ppb	0.4743	109990.0	11.8939
Cr 267.716	0.3895	ppb	0.0481	12.4	20.1183
Cu 324.754	-0.0306	ppb	0.4248	1387.0	108.793
Fe 271.441	16.1868	ppb	4.7970	29.6	31.0537
K 766.491	1211.03	ppb	2.5010	0.2	61208.9
Mg 279.078	11438.6	ppb	3.7734	0.0	23855.2
Mn 257.610	0.3733	ppb	0.0214	5.7	211.391
Mo 202.032	0.0073	ppb	0.3864	5306.1	9.2629
Na 330.237	26117.2	ppb	212.052	0.8	1347.94
Ni 231.604	0.9190	ppb	0.4523	49.2	4.7238
Pb 220.353	-2.0184	ppb	1.0660	52.8	0.1863
Sb 206.834	1.7551	ppb	8.8521	504.4	3.1033
Se 196.026	-0.3801	ppb	2.5248	664.3	-1.3261
Sn 189.925	0.3163	ppb	0.3985	126.0	-0.9736
Sr 216.596	534.982	ppb	1.2004	0.2	5241.94
Ti 334.941	0.4947	ppb	0.0101	2.0	85.8905
Tl 190.794	2.9275	ppb	4.5001	153.7	0.7854
V 292.401	-2.6070	ppb	0.3318	12.7	-69.5052
Zn 206.200	1.7964	ppb	0.1540	8.6	851.559

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680-88588-f-2-a (Samp) 3/27/2013, 4:19:30 AM Rack 3, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4154	-0.9916u	-0.5220u
Al 308.215	1.8642	1.2986	-2.0907u
As 188.980	-4.4063u	-0.0499	1.1564
B 249.678	-2.2096u	-1.4572u	-1.9984u
Ba 389.178	115.185	114.995	115.762
Be 313.042	-0.0538u	-0.0587u	-0.0425u
Ca 370.602	158688	158332	157833
Cd 226.502	-0.3270u	-0.4115u	-0.1013u
Co 228.615	0.2701	-0.4807u	-0.2226u
Cr 267.716	-0.1071u	-0.3682u	0.0419
Cu 324.754	-0.0085u	0.3342	-0.5091u
Fe 271.441	14.4552	15.9427	18.5282
K 766.491	1167.12	1167.39	1168.74
Mg 279.078	10781.9	10769.4	10751.1
Mn 257.610	19.2408	19.1650	19.1496
Mo 202.032	0.3955	-0.1272u	-0.2964u
Na 330.237	12365.8	12458.4	12034.3
Ni 231.604	0.4821	2.0899	0.9682
Pb 220.353	-2.2962u	-1.5855u	-0.9762u
Sb 206.834	-2.4948u	0.4593	-2.4307u
Se 196.026	-0.9396u	4.9679	11.5756
Sn 189.925	-4.0857u	0.9516	-0.6970u
Sr 216.596	429.373	427.652	427.086
Ti 334.941	0.4140	0.4226	0.3245
Tl 190.794	4.9278	3.1292	2.7187
V 292.401	-1.9262u	-2.0503u	-2.0381u
Zn 206.200	4.5437	5.6426	2.5377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3661	ppb	0.7164	195.7	-110.754
Al 308.215	0.3574	ppb	2.1388	598.5	267.509
As 188.980	-1.0999	ppb	2.9262	266.0	0.2411
B 249.678	-1.8884	ppb	0.3881	20.6	177.919
Ba 389.178	115.314	ppb	0.3996	0.3	2847.24
Be 313.042	-0.0517	ppb	0.0083	16.1	-257.182
Ca 370.602	158284	ppb	429.2	0.3	521968
Cd 226.502	-0.2799	ppb	0.1603	57.3	0.6647
Co 228.615	-0.1444	ppb	0.3815	264.1	10.1943
Cr 267.716	-0.1445	ppb	0.2076	143.7	-3.3521
Cu 324.754	-0.0612	ppb	0.4241	693.6	107.276
Fe 271.441	16.3087	ppb	2.0611	12.6	31.3559
K 766.491	1167.75	ppb	0.8645	0.1	59028.5
Mg 279.078	10767.5	ppb	15.4785	0.1	22456.7
Mn 257.610	19.1851	ppb	0.0488	0.3	4539.28
Mo 202.032	-0.0094	ppb	0.3607	3857.6	9.1517
Na 330.237	12286.2	ppb	222.968	1.8	634.076
Ni 231.604	1.1800	ppb	0.8246	69.9	5.4063
Pb 220.353	-1.6193	ppb	0.6606	40.8	0.8496
Sb 206.834	-1.4887	ppb	1.6874	113.3	0.0754
Se 196.026	5.2013	ppb	6.2609	120.4	1.4229
Sn 189.925	-1.2770	ppb	2.5682	201.1	-2.2476
Sr 216.596	428.037	ppb	1.1909	0.3	4192.83
Ti 334.941	0.3870	ppb	0.0543	14.0	55.5437
Tl 190.794	3.5919	ppb	1.1750	32.7	1.2236
V 292.401	-2.0049	ppb	0.0684	3.4	-52.3972
Zn 206.200	4.2413	ppb	1.5744	37.1	8.9812

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680-88588-e-2-a (Samp) 3/27/2013, 4:24:57 AM Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5519u	-0.0688u	-1.0278u
Al 308.215	3.6543	3.6023	3.6831
As 188.980	-0.4964	0.1469	-0.7216
B 249.678	-3.7752u	-2.5003u	-2.7341u
Ba 389.178	114.132	115.921	115.016
Be 313.042	-0.0571u	-0.0514u	-0.0452u
Ca 370.602	157779	159031	157979
Cd 226.502	-0.0371u	0.0424	-0.2219u
Co 228.615	-0.0804u	0.2795	-0.0316u
Cr 267.716	-0.3151u	0.2312	-0.0981u
Cu 324.754	-0.6032u	-0.6936u	-0.7946u
Fe 271.441	22.0974	33.2230	32.4700
K 766.491	1149.90	1155.35	1154.68
Mg 279.078	10776.5	10818.9	10797.4
Mn 257.610	19.5042	19.6025	19.5991
Mo 202.032	0.5444	1.1514	1.3159
Na 330.237	12140.1	12061.0	12109.5
Ni 231.604	1.0011	0.8116	-0.0600u
Pb 220.353	-0.5702u	2.8239	-2.5345u
Sb 206.834	-1.3532u	-0.7915u	-6.0944u
Se 196.026	12.7196	5.5810	13.8081
Sn 189.925	1.0416	5.2864	3.8255
Sr 216.596	428.669	427.579	426.664
Ti 334.941	0.2666	0.5472	0.3220
Tl 190.794	-1.9085u	-2.0604u	-6.5869u
V 292.401	-1.6863u	-2.1014u	-1.9377u
Zn 206.200	1.6928	3.4957	0.7653

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8828	ppb	0.7521	85.2	-147.181
Al 308.215	3.6466	ppb	0.0409	1.1	286.752
As 188.980	-0.3570	ppb	0.4507	126.2	0.7037
B 249.678	-3.0032	ppb	0.6787	22.6	167.380
Ba 389.178	115.023	ppb	0.8942	0.8	2840.18
Be 313.042	-0.0512	ppb	0.0059	11.6	-256.171
Ca 370.602	158263	ppb	672.5	0.4	521895
Cd 226.502	-0.0722	ppb	0.1356	187.9	8.5160
Co 228.615	0.0558	ppb	0.1952	349.6	12.5248
Cr 267.716	-0.0607	ppb	0.2751	453.5	0.3054
Cu 324.754	-0.6971	ppb	0.0958	13.7	75.9602
Fe 271.441	29.2634	ppb	6.2174	21.2	53.3271
K 766.491	1153.31	ppb	2.9728	0.3	58301.2
Mg 279.078	10797.6	ppb	21.2327	0.2	22519.5
Mn 257.610	19.5686	ppb	0.0558	0.3	4627.84
Mo 202.032	1.0039	ppb	0.4064	40.5	15.8748
Na 330.237	12103.5	ppb	39.8939	0.3	624.662
Ni 231.604	0.5842	ppb	0.5659	96.9	3.8484
Pb 220.353	-0.0936	ppb	2.7108	2896.1	3.3686
Sb 206.834	-2.7464	ppb	2.9131	106.1	-1.1047
Se 196.026	10.7029	ppb	4.4690	41.8	4.1283
Sn 189.925	3.3845	ppb	2.1565	63.7	1.3758
Sr 216.596	427.637	ppb	1.0042	0.2	4188.96
Ti 334.941	0.3786	ppb	0.1486	39.3	53.4845
Tl 190.794	-3.5186	ppb	2.6583	75.5	-3.6621
V 292.401	-1.9085	ppb	0.2091	11.0	-49.8319
Zn 206.200	1.9846	ppb	1.3884	70.0	5.4513

560-38781-b-1-a (Samp) 3/27/2013, 4:30:23 AM Rack 3, Tube 34

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1896	-0.7538u	-0.6230u
Al 308.215	-2.5718u	-2.5115u	-1.3019u
As 188.980	-1.0677u	0.7024	-9.2279u
B 249.678	12.5024	13.3046	12.8485
Ba 389.178	49.9051	50.2014	51.4361
Be 313.042	0.0026	0.0050	0.0010
Ca 370.602	8843	9030	9089
Cd 226.502	0.0827	-0.1596u	-0.0898u
Co 228.615	0.2553	0.0653	0.1477
Cr 267.716	0.1436	0.3839	0.1965
Cu 324.754	15.4637	16.7699	15.8619
Fe 271.441	28.5751	37.4006	28.2534
K 766.491	2708.96	2769.13	2781.53
Mg 279.078	2623.47	2684.57	2700.25
Mn 257.610	0.9630	0.9759	0.9912
Mo 202.032	0.3294	0.2353	0.3242
Na 330.237	19072.3	19510.2	19482.6
Ni 231.604	1.4119	2.0235	0.3353
Pb 220.353	2.9010	1.0086	-0.3000u
Sb 206.834	6.7156	3.0307	-2.0734u
Se 196.026	-4.6420u	6.7985	10.5950
Sn 189.925	-2.8522u	0.7881	0.7590
Sr 216.596	72.6812	74.4101	76.1390
Ti 334.941	-0.0332	-0.1056u	0.0237
Tl 190.794	4.1003	-1.4914u	4.1815
V 292.401	-0.0252u	-0.8173u	-0.1765u
Zn 206.200	5.2931	3.7959	6.4711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3958	ppb	0.5111	129.1	-97.3319
Al 308.215	-2.1284	ppb	0.7164	33.7	253.064
As 188.980	-3.1977	ppb	5.2967	165.6	-2.3125
B 249.678	12.8851	ppb	0.4023	3.1	317.362
Ba 389.178	50.5142	ppb	0.8120	1.6	1224.73
Be 313.042	0.0029	ppb	0.0020	70.4	-204.465
Ca 370.602	8987	ppb	128.8	1.4	29629
Cd 226.502	-0.0555	ppb	0.1247	224.5	9.0039
Co 228.615	0.1561	ppb	0.0952	61.0	13.7010
Cr 267.716	0.2413	ppb	0.1263	52.3	13.5222
Cu 324.754	16.0318	ppb	0.6695	4.2	900.256
Fe 271.441	31.4097	ppb	5.1907	16.5	57.1156
K 766.491	2753.21	ppb	38.8135	1.4	138892
Mg 279.078	2669.43	ppb	40.5694	1.5	5586.52
Mn 257.610	0.9767	ppb	0.0141	1.4	298.641
Mo 202.032	0.2963	ppb	0.0528	17.8	11.1763
Na 330.237	19355.0	ppb	245.214	1.3	998.900
Ni 231.604	1.2569	ppb	0.8547	68.0	5.6077
Pb 220.353	1.2032	ppb	1.6093	133.8	5.5065
Sb 206.834	2.5576	ppb	4.4135	172.6	3.8497
Se 196.026	4.2505	ppb	7.9316	186.6	0.9510
Sn 189.925	-0.4350	ppb	2.0934	481.2	-1.6490
Sr 216.596	74.4101	ppb	1.7289	2.3	734.117
Ti 334.941	-0.0384	ppb	0.0648	169.0	-92.1244
Tl 190.794	2.2635	ppb	3.2521	143.7	0.3295
V 292.401	-0.3397	ppb	0.4205	123.8	-5.8470
Zn 206.200	5.1867	ppb	1.3408	25.9	10.4582

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560-38781-b-2-a (Samp) 3/27/2013, 4:35:50 AM Rack 3, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5748u	-0.2766u	-0.2889u
Al 308.215	9.5894	7.1136	7.9209
As 188.980	2.4916	-1.3765u	1.3743
B 249.678	13.0238	13.7887	11.8601
Ba 389.178	50.6949	50.1225	50.9688
Be 313.042	-0.0097u	-0.0183u	-0.0257u
Ca 370.602	9741	9707	9704
Cd 226.502	-0.0754u	-0.1208u	-0.0769u
Co 228.615	-0.1852u	-0.0359u	0.1494
Cr 267.716	-0.1254u	-0.1434u	-0.0204u
Cu 324.754	2.9256	1.9252	2.9305
Fe 271.441	263.638	261.730	255.100
K 766.491	2794.15	2788.02	2772.75
Mg 279.078	2556.17	2558.82	2562.20
Mn 257.610	71.6231	71.5728	71.4503
Mo 202.032	0.0317	0.7116	0.3405
Na 330.237	19663.9	19849.0	19617.3
Ni 231.604	1.1752	0.0301	1.7214
Pb 220.353	4.5013	-1.9238u	2.9530
Sb 206.834	6.5989	-6.0644u	-3.9016u
Se 196.026	3.7143	1.8644	6.1071
Sn 189.925	0.4008	2.9018	2.4937
Sr 216.596	76.3752	76.7894	76.9944
Ti 334.941	-0.0580u	0.0863	0.0539
Tl 190.794	-0.6539u	4.2371	2.7095
V 292.401	-0.3254u	0.0099	-0.4304u
Zn 206.200	1.0834	0.3969	-0.1309u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3801	ppb	0.1687	44.4	-96.0694
Al 308.215	8.2080	ppb	1.2626	15.4	313.281
As 188.980	0.8298	ppb	1.9907	239.9	0.1836
B 249.678	12.8909	ppb	0.9711	7.5	317.199
Ba 389.178	50.5954	ppb	0.4318	0.9	1226.78
Be 313.042	-0.0179	ppb	0.0080	44.5	-245.080
Ca 370.602	9718	ppb	20.38	0.2	32019
Cd 226.502	-0.0910	ppb	0.0258	28.3	8.2327
Co 228.615	-0.0239	ppb	0.1676	700.7	11.5698
Cr 267.716	-0.0964	ppb	0.0665	69.0	-0.8897
Cu 324.754	2.5938	ppb	0.5790	22.3	238.170
Fe 271.441	260.156	ppb	4.4816	1.7	446.140
K 766.491	2784.97	ppb	11.0199	0.4	140493
Mg 279.078	2559.06	ppb	3.0187	0.1	5355.51
Mn 257.610	71.5487	ppb	0.0889	0.1	16552.4
Mo 202.032	0.3613	ppb	0.3404	94.2	11.5968
Na 330.237	19710.1	ppb	122.598	0.6	1017.19
Ni 231.604	0.9756	ppb	0.8631	88.5	4.8767
Pb 220.353	1.8435	ppb	3.3532	181.9	6.5786
Sb 206.834	-1.1224	ppb	6.7737	603.5	0.4147
Se 196.026	3.8953	ppb	2.1271	54.6	0.7949
Sn 189.925	1.9321	ppb	1.3418	69.4	0.1914
Sr 216.596	76.7197	ppb	0.3154	0.4	756.763
Ti 334.941	0.0274	ppb	0.0757	276.5	-75.1837
Tl 190.794	2.0976	ppb	2.5023	119.3	0.1366
V 292.401	-0.2486	ppb	0.2300	92.5	-3.3042
Zn 206.200	0.4498	ppb	0.6088	135.4	3.0513

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6654u	0.4331	0.5634
Al 308.215	3.1108	5.1074	1.7017
As 188.980	1.0239	2.4536	-6.3327u
B 249.678	-15.1045u	-14.9330u	-15.5363u
Ba 389.178	1.5461	-0.1806u	0.5194
Be 313.042	0.0244	0.0159	0.0295
Ca 370.602	12.49	15.07	12.99
Cd 226.502	0.0641	0.1391	-0.2230u
Co 228.615	0.7510	0.2971	1.2932
Cr 267.716	0.1888	0.1912	0.3061
Cu 324.754	-0.2525u	0.1954	-0.1435u
Fe 271.441	4.5277	-4.5103u	1.5240
K 766.491	0.3805	0.4422	0.4085
Mg 279.078	8.7678	8.6916	9.4627
Mn 257.610	0.2476	0.2508	0.2619
Mo 202.032	0.2816	-0.5434u	-0.1671u
Na 330.237	-178.422u	39.5990	37.5321
Ni 231.604	-0.8751u	-0.1337u	1.4753
Pb 220.353	-2.6401u	-4.8772u	-5.2253u
Sb 206.834	-2.3232u	-0.1605u	-9.2997u
Se 196.026	5.8508	8.0191	-4.6939u
Sn 189.925	4.7415	2.4513	0.4886
Sr 216.596	0.2489	0.3540	0.3105
Ti 334.941	-0.0057u	-0.0298u	0.0736
Tl 190.794	0.2763	2.9853	4.5754
V 292.401	0.2694	0.1337	0.5008
Zn 206.200	0.2034	-1.0209u	-1.4890u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1104	ppb	0.6750	611.6	-58.4600
Al 308.215	3.3066	ppb	1.7113	51.8	284.669
As 188.980	-0.9518	ppb	4.7146	495.4	-0.9982
B 249.678	-15.1913	ppb	0.3109	2.0	52.3518
Ba 389.178	0.6283	ppb	0.8685	138.2	-14.4902
Be 313.042	0.0233	ppb	0.0069	29.6	-164.932
Ca 370.602	13.52	ppb	1.365	10.1	38.54
Cd 226.502	-0.0066	ppb	0.1911	2907.2	10.8464
Co 228.615	0.7804	ppb	0.4987	63.9	21.0415
Cr 267.716	0.2287	ppb	0.0670	29.3	12.6351
Cu 324.754	-0.0669	ppb	0.2335	349.3	106.974
Fe 271.441	0.5138	ppb	4.6029	895.8	4.5508
K 766.491	0.4104	ppb	0.0309	7.5	226.487
Mg 279.078	8.9740	ppb	0.4249	4.7	44.0269
Mn 257.610	0.2534	ppb	0.0075	3.0	117.135
Mo 202.032	-0.1430	ppb	0.4130	288.9	8.2616
Na 330.237	-33.7635	ppb	125.282	371.1	-1.7395
Ni 231.604	0.1555	ppb	1.2016	772.6	2.7266
Pb 220.353	-4.2475	ppb	1.4029	33.0	-3.4951
Sb 206.834	-3.9278	ppb	4.7762	121.6	-2.1972
Se 196.026	3.0586	ppb	6.8009	222.4	0.3646
Sn 189.925	2.5605	ppb	2.1285	83.1	0.6693
Sr 216.596	0.3045	ppb	0.0528	17.3	11.3670
Ti 334.941	0.0127	ppb	0.0541	427.1	-88.5258
Tl 190.794	2.6123	ppb	2.1737	83.2	0.5712
V 292.401	0.3013	ppb	0.1856	61.6	12.3548
Zn 206.200	-0.7689	ppb	0.8739	513.7	893.1438

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mb 680-270710/1-a (Samp) 3/27/2013, 4:58:00 AM Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6321	0.0070	0.2445
Al 308.215	-7.4465u	-4.0585u	-1.5126u
As 188.980	6.2753	-4.6874u	-5.7877u
B 249.678	3.8446	3.0205	1.7385
Ba 389.178	-1.0741u	-1.1311u	0.8028
Be 313.042	-0.0220u	-0.0184u	-0.0154u
Ca 370.602	-1.201u	0.8344	4.648
Cd 226.502	-0.0788u	-0.0819u	-0.0510u
Co 228.615	0.1879	-0.0624u	0.2936
Cr 267.716	0.0898	-0.0504u	-0.1323u
Cu 324.754	-0.0683u	0.8476	-0.5950u
Fe 271.441	3.0203	7.1088	-2.9786u
K 766.491	1.0087	0.1420	0.5912
Mg 279.078	-3.9373u	0.2901	7.1265
Mn 257.610	0.0609	0.0445	0.0464
Mo 202.032	0.0061	-0.0577u	0.7657
Na 330.237	79.8804	89.3283	157.042
Ni 231.604	-0.4166u	0.7387	1.3270
Pb 220.353	0.0760	2.1996	-0.2353u
Sb 206.834	-1.6680u	3.8243	-3.8778u
Se 196.026	-3.8109u	-8.5329u	-2.9731u
Sn 189.925	-0.2220u	1.6131	-1.2633u
Sr 216.596	0.1063	0.2987	0.3522
Ti 334.941	0.1075	-0.0046u	0.0289
Tl 190.794	2.5104	-5.2585u	-1.8731u
V 292.401	-0.4750u	0.0763	-0.0850u
Zn 206.200	1.3147	0.0288	-0.2212u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2945	ppb	0.3156	107.1	-45.4848
Al 308.215	-4.3392	ppb	2.9769	68.6	240.196
As 188.980	-1.3999	ppb	6.6697	476.4	-1.2757
B 249.678	2.8679	ppb	1.0613	37.0	222.824
Ba 389.178	-0.4675	ppb	1.1004	235.4	-41.5634
Be 313.042	-0.0186	ppb	0.0033	17.7	-247.233
Ca 370.602	1.427	ppb	2.969	208.1	-1.513
Cd 226.502	-0.0706	ppb	0.0170	24.1	8.4463
Co 228.615	0.1397	ppb	0.1828	130.9	13.5051
Cr 267.716	-0.0309	ppb	0.1123	362.9	1.3067
Cu 324.754	0.0614	ppb	0.7300	1188.1	113.310
Fe 271.441	2.3835	ppb	5.0738	212.9	7.6764
K 766.491	0.5806	ppb	0.4334	74.6	235.063
Mg 279.078	1.1598	ppb	5.5829	481.4	27.7536
Mn 257.610	0.0506	ppb	0.0090	17.7	70.3896
Mo 202.032	0.2380	ppb	0.4581	192.4	10.7907
Na 330.237	108.750	ppb	42.0878	38.7	5.6020
Ni 231.604	0.5497	ppb	0.8870	161.4	3.7576
Pb 220.353	0.6801	ppb	1.3251	194.8	4.6426
Sb 206.834	-0.5738	ppb	3.9659	691.1	0.9240
Se 196.026	-5.1056	ppb	2.9975	58.7	-3.6499
Sn 189.925	0.0426	ppb	1.4564	3416.9	-1.2878
Sr 216.596	0.2524	ppb	0.1293	51.2	10.8425
Ti 334.941	0.0439	ppb	0.0576	131.0	-80.2903
Tl 190.794	-1.5404	ppb	3.8951	252.9	-2.2817
V 292.401	-0.1612	ppb	0.2834	175.8	-0.6926
Zn 206.200	0.3741	ppb	0.8241	220.3	2.9325

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Ics 680-270710/2-a (Samp) 3/27/2013, 5:03:28 AM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	24.3934	25.1969	23.0359
Al 308.215	4870.48	4856.85	4831.00
As 188.980	107.229	96.7003	96.2303
B 249.678	193.090	191.867	191.968
Ba 389.178	101.592	101.249	100.006
Be 313.042	50.8455	50.9133	50.5156
Ca 370.602	4800	4796	4763
Cd 226.502	49.2500	48.7836	49.1970
Co 228.615	50.9509	49.7715	51.1608
Cr 267.716	97.7844	97.4235	96.4632
Cu 324.754	98.2192	100.153	100.644
Fe 271.441	4989.56	4978.97	4930.91
K 766.491	4999.95	4998.05	4975.75
Mg 279.078	4903.14	4877.40	4859.54
Mn 257.610	509.688	508.895	504.966
Mo 202.032	97.1818	97.4737	97.5794
Na 330.237	4739.67	4710.25	4810.14
Ni 231.604	98.1515	98.1629	99.2913
Pb 220.353	45.3656	47.3555	52.1312
Sb 206.834	45.5416	48.2127	46.8397
Se 196.026	104.129	94.0900	102.703
Sn 189.925	202.504	194.175	200.665
Sr 216.596	99.2546	99.5309	98.4032
Ti 334.941	98.0871	98.0274	97.2944
Tl 190.794	43.4230	43.2657	38.8182
V 292.401	101.735	101.172	100.480
Zn 206.200	98.4935	98.0036	97.3949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.2087	ppb	1.0923	4.5	1635.51
Al 308.215	4852.78	ppb	20.0495	0.4	28534.8
As 188.980	100.053	ppb	6.2187	6.2	61.4715
B 249.678	192.308	ppb	0.6790	0.4	2006.45
Ba 389.178	100.949	ppb	0.8344	0.8	2484.39
Be 313.042	50.7581	ppb	0.2127	0.4	99407.3
Ca 370.602	4787	ppb	20.19	0.4	15396
Cd 226.502	49.0769	ppb	0.2553	0.5	1868.17
Co 228.615	50.6277	ppb	0.7489	1.5	606.025
Cr 267.716	97.2237	ppb	0.6829	0.7	4249.13
Cu 324.754	99.6720	ppb	1.2819	1.3	5024.71
Fe 271.441	4966.48	ppb	31.2524	0.6	8458.41
K 766.491	4991.25	ppb	13.4565	0.3	251629
Mg 279.078	4880.03	ppb	21.9179	0.4	10183.3
Mn 257.610	507.850	ppb	2.5288	0.5	117064
Mo 202.032	97.4116	ppb	0.2060	0.2	655.247
Na 330.237	4753.35	ppb	51.3312	1.1	242.321
Ni 231.604	98.5353	ppb	0.6548	0.7	260.126
Pb 220.353	48.2841	ppb	3.4771	7.2	83.0810
Sb 206.834	46.8647	ppb	1.3357	2.9	45.3482
Se 196.026	100.307	ppb	5.4314	5.4	48.3355
Sn 189.925	199.114	ppb	4.3755	2.2	153.453
Sr 216.596	99.0629	ppb	0.5878	0.6	971.014
Ti 334.941	97.8029	ppb	0.4414	0.5	25821.6
Tl 190.794	41.8356	ppb	2.6143	6.2	26.8540
V 292.401	101.129	ppb	0.6284	0.6	2823.98
Zn 206.200	97.9640	ppb	0.5593	0.6	155.258

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ics 680-270710/3-a (Samp) 3/27/2013, 5:08:55 AM Rack 3, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	207.349	207.937	206.432
Al 308.215	1940.67	1926.58	1933.35
As 188.980	205.747	205.034	217.086
B 249.678	391.586	391.715	394.744
Ba 389.178	198.822	196.864	198.136
Be 313.042	203.643	202.235	202.205
Ca 370.602	19473	19327	19332
Cd 226.502	193.373	192.372	192.490
Co 228.615	198.002	199.369	198.162
Cr 267.716	193.127	191.077	190.859
Cu 324.754	202.008	203.466	197.777
Fe 271.441	20641.1	20529.0	20589.7
K 766.491	20017.2	19954.2	19972.3
Mg 279.078	19680.9	19554.8	19579.7
Mn 257.610	2034.27	2024.11	2026.25
Mo 202.032	195.166	192.577	193.135
Na 330.237	17752.2	17647.6	17338.1
Ni 231.604	196.268	198.211	196.773
Pb 220.353	190.416	190.042	189.883
Sb 206.834	186.226	194.317	184.247
Se 196.026	192.263	194.370	201.475
Sn 189.925	199.014	201.599	189.920
Sr 216.596	207.810	205.214	205.598
Ti 334.941	195.757	195.227	194.764
Tl 190.794	45.4508	47.0720	51.5716
V 292.401	200.525	199.765	200.391
Zn 206.200	188.177	184.970	186.786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	207.239	ppb	0.7585	0.4	14515.4
Al 308.215	1933.53	ppb	7.0466	0.4	11547.2
As 188.980	209.289	ppb	6.7621	3.2	129.010
B 249.678	392.682	ppb	1.7871	0.5	3883.26
Ba 389.178	197.941	ppb	0.9934	0.5	4944.65
Be 313.042	202.694	ppb	0.8217	0.4	397635
Ca 370.602	19377	ppb	82.50	0.4	62261
Cd 226.502	192.745	ppb	0.5475	0.3	7307.29
Co 228.615	198.511	ppb	0.7472	0.4	2342.63
Cr 267.716	191.688	ppb	1.2515	0.7	8380.64
Cu 324.754	201.084	ppb	2.9553	1.5	10028.0
Fe 271.441	20586.6	ppb	56.1045	0.3	35045.7
K 766.491	19981.2	ppb	32.4568	0.2	1006715
Mg 279.078	19605.2	ppb	66.7881	0.3	40839.6
Mn 257.610	2028.21	ppb	5.3560	0.3	467349
Mo 202.032	193.626	ppb	1.3624	0.7	1292.85
Na 330.237	17579.3	ppb	215.368	1.2	898.154
Ni 231.604	197.084	ppb	1.0081	0.5	518.183
Pb 220.353	190.113	ppb	0.2736	0.1	317.457
Sb 206.834	188.263	ppb	5.3351	2.8	178.335
Se 196.026	196.036	ppb	4.8269	2.5	95.8692
Sn 189.925	196.844	ppb	6.1342	3.1	151.698
Sr 216.596	206.207	ppb	1.4013	0.7	2017.23
Ti 334.941	195.249	ppb	0.4970	0.3	51683.0
Tl 190.794	48.0314	ppb	3.1712	6.6	29.0923
V 292.401	200.227	ppb	0.4059	0.2	5587.30
Zn 206.200	186.644	ppb	1.6078	0.9	203.656

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680-88559-a-1-a (Samp) **3/27/2013, 5:14:22 AM** **Rack 3, Tube 42****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1774	-0.8391u	-0.4124u
Al 308.215	19.7090	17.4767	19.0848
As 188.980	1.4488	0.7703	0.4685
B 249.678	211.079	210.673	213.314
Ba 389.178	240.173	239.683	242.345
Be 313.042	0.0782	0.0810	0.0788
Ca 370.602	8026	7979	8045
Cd 226.502	-0.4029	-0.2037	-0.1680
Co 228.615	0.2246	-0.0406u	-0.1214u
Cr 267.716	0.0592	0.1401	0.2613
Cu 324.754	0.0016	-0.2496u	0.2850
Fe 271.441	20217.3	20109.8	20314.7
K 766.491	1196.38	1188.72	1196.32
Mg 279.078	7754.40	7719.49	7798.13
Mn 257.610	221.932	221.117	223.348
Mo 202.032	0.9169	0.9360	-0.4676u
Na 330.237	29641.4	29326.4	29148.6
Ni 231.604	3.1594	1.8112	1.8512
Pb 220.353	0.6987	0.7181	3.9272
Sb 206.834	5.0454	-3.2797u	-0.3813
Se 196.026	5.5610	7.8846	4.1172
Sn 189.925	0.9678	3.3782	1.3813
Sr 216.596	93.1414	92.7129	92.7584
Ti 334.941	0.0959	-0.0182	-0.0052
Tl 190.794	3.5330	-3.4270u	1.7059
V 292.401	-0.1843u	0.3643	0.0658
Zn 206.200	3.0008	4.4457	4.6423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3580	ppb	0.5104	142.6	-94.6652
Al 308.215	18.7568	ppb	1.1517	6.1	374.655
As 188.980	0.8958	ppb	0.5021	56.0	0.0081
B 249.678	211.689	ppb	1.4222	0.7	2175.09
Ba 389.178	240.734	ppb	1.4166	0.6	5966.12
Be 313.042	0.0793	ppb	0.0015	1.9	-56.6066
Ca 370.602	8017	ppb	33.94	0.4	24739
Cd 226.502	-0.2582	ppb	0.1266	49.0	50.6512
Co 228.615	0.0209	ppb	0.1810	867.7	11.4176
Cr 267.716	0.1535	ppb	0.1017	66.2	15.0384
Cu 324.754	0.0123	ppb	0.2674	2168.4	116.760
Fe 271.441	20213.9	ppb	102.447	0.5	34379.5
K 766.491	1193.81	ppb	4.4036	0.4	60341.2
Mg 279.078	7757.34	ppb	39.4028	0.5	16186.2
Mn 257.610	222.133	ppb	1.1289	0.5	51317.1
Mo 202.032	0.4618	ppb	0.8049	174.3	11.3513
Na 330.237	29372.1	ppb	249.582	0.8	1509.87
Ni 231.604	2.2739	ppb	0.7671	33.7	8.6830
Pb 220.353	1.7813	ppb	1.8584	104.3	6.5087
Sb 206.834	0.4615	ppb	4.2261	915.7	2.3215
Se 196.026	5.8543	ppb	1.9007	32.5	1.9109
Sn 189.925	1.9091	ppb	1.2890	67.5	0.1757
Sr 216.596	92.8709	ppb	0.2353	0.3	921.317
Ti 334.941	0.0242	ppb	0.0625	258.6	-52.4005
Tl 190.794	0.6040	ppb	3.6085	597.5	-1.7420
V 292.401	0.0819	ppb	0.2747	335.2	6.0262
Zn 206.200	4.0296	ppb	0.8954	22.2	8.6488

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680-88559-a-1-aSD^5 (Samp) 3/27/2013, 5:19:49 AM Rack 3, Tube 43
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4761u	-0.3903u	1.3145
Al 308.215	-1.4594u	1.3758	-0.2571u
As 188.980	2.1548	2.4219	-4.0012u
B 249.678	35.9262	34.5457	34.8053
Ba 389.178	47.2800	46.8166	47.8920
Be 313.042	-0.0002u	-0.0009u	0.0094
Ca 370.602	1574	1560	1564
Cd 226.502	-0.2417	-0.1259	0.0999
Co 228.615	0.5875	0.2188	0.2262
Cr 267.716	0.2369	-0.2304u	-0.3562u
Cu 324.754	-0.0165	-0.4967u	0.3020
Fe 271.441	3966.79	3921.74	3958.73
K 766.491	235.608	233.214	233.581
Mg 279.078	1540.80	1531.53	1538.06
Mn 257.610	43.4532	43.1423	43.2329
Mo 202.032	0.5635	-0.5857u	0.9714
Na 330.237	5682.73	5923.97	5815.82
Ni 231.604	-0.5301u	-0.9370u	-0.9334u
Pb 220.353	-3.7847u	-0.4275u	1.5591
Sb 206.834	-4.7231u	2.5683	-3.6123u
Se 196.026	14.2563	0.7244	2.6744
Sn 189.925	3.3042	0.7319	0.3883
Sr 216.596	17.8100	17.6305	17.7813
Ti 334.941	-0.0295u	0.0425	0.0092
Tl 190.794	-2.2036u	-0.8087u	4.6020
V 292.401	0.1078	-0.2575u	-0.0219u
Zn 206.200	-1.1693u	-1.9038u	-1.4110u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1494	ppb	1.0099	676.2	-56.3453
Al 308.215	-0.1136	ppb	1.4231	1253.1	264.773
As 188.980	0.1918	ppb	3.6337	1894.4	-0.3174
B 249.678	35.0924	ppb	0.7336	2.1	523.315
Ba 389.178	47.3296	ppb	0.5394	1.1	1148.84
Be 313.042	0.0028	ppb	0.0057	206.9	-205.520
Ca 370.602	1566	ppb	7.393	0.5	4828
Cd 226.502	-0.0892	ppb	0.1737	194.7	17.3620
Co 228.615	0.3442	ppb	0.2108	61.2	15.7757
Cr 267.716	-0.1165	ppb	0.3125	268.2	-1.3218
Cu 324.754	-0.0704	ppb	0.4021	571.3	107.956
Fe 271.441	3949.09	ppb	24.0250	0.6	6719.46
K 766.491	234.134	ppb	1.2893	0.6	11999.8
Mg 279.078	1536.80	ppb	4.7618	0.3	3226.95
Mn 257.610	43.2761	ppb	0.1599	0.4	10045.1
Mo 202.032	0.3164	ppb	0.8074	255.2	11.1301
Na 330.237	5807.51	ppb	120.834	2.1	298.556
Ni 231.604	-0.8002	ppb	0.2339	29.2	0.3084
Pb 220.353	-0.8844	ppb	2.7010	305.4	2.0684
Sb 206.834	-1.9224	ppb	3.9285	204.4	-0.2499
Se 196.026	5.8850	ppb	7.3150	124.3	1.7878
Sn 189.925	1.4748	ppb	1.5936	108.1	-0.1721
Sr 216.596	17.7406	ppb	0.0965	0.5	182.843
Ti 334.941	0.0074	ppb	0.0360	484.6	-83.3981
Tl 190.794	0.5299	ppb	3.5948	678.4	-1.0415
V 292.401	-0.0572	ppb	0.1852	323.7	2.2556
Zn 206.200	-1.4947	ppb	0.3743	25.0	0.0103

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680-88559-a-1-aPDS (Samp) **3/27/2013, 5:25:16 AM** **Rack 3, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.0849	50.3030	50.3714
Al 308.215	1975.63	1976.37	1979.76
As 188.980	2185.50	2173.86	2151.45
B 249.678	1228.58	1244.20	1247.89
Ba 389.178	2307.55	2310.01	2305.46
Be 313.042	51.4316	51.6088	51.6155
Ca 370.602	12783	12815	12813
Cd 226.502	49.5227	49.4470	49.5247
Co 228.615	515.833	519.178	516.760
Cr 267.716	196.429	196.978	198.180
Cu 324.754	254.592	255.140	253.825
Fe 271.441	20699.4	20756.4	20728.1
K 766.491	6543.69	6538.88	6525.25
Mg 279.078	12697.7	12711.9	12698.5
Mn 257.610	734.816	736.597	736.365
Mo 202.032	502.837	506.601	505.203
Na 330.237	33979.1	34000.9	33875.4
Ni 231.604	507.894	508.675	502.594
Pb 220.353	491.487	495.958	494.663
Sb 206.834	490.387	494.467	489.762
Se 196.026	2009.77	2006.82	2007.44
Sn 189.925	1034.44	1032.43	1039.23
Sr 216.596	598.092	602.560	604.599
Ti 334.941	992.682	995.895	999.716
Tl 190.794	2043.31	2043.44	2027.51
V 292.401	513.323	513.767	512.493
Zn 206.200	498.135	491.345	491.408

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5865	ppb	0.4330	0.9	3472.76
Al 308.215	1977.25	ppb	2.2028	0.1	11838.1
As 188.980	2170.27	ppb	17.3085	0.8	1342.40
B 249.678	1240.22	ppb	10.2530	0.8	11883.7
Ba 389.178	2307.67	ppb	2.2775	0.1	57020.4
Be 313.042	51.5520	ppb	0.1043	0.2	100880
Ca 370.602	12804	ppb	17.55	0.1	40695
Cd 226.502	49.4981	ppb	0.0443	0.1	1922.51
Co 228.615	517.257	ppb	1.7273	0.3	6098.18
Cr 267.716	197.196	ppb	0.8954	0.5	8616.31
Cu 324.754	254.519	ppb	0.6607	0.3	12666.5
Fe 271.441	20728.0	ppb	28.4856	0.1	35337.7
K 766.491	6535.94	ppb	9.5673	0.1	329439
Mg 279.078	12702.7	ppb	7.9814	0.1	26480.2
Mn 257.610	735.926	ppb	0.9682	0.1	169680
Mo 202.032	504.880	ppb	1.9028	0.4	3357.83
Na 330.237	33951.8	ppb	67.0675	0.2	1734.38
Ni 231.604	506.388	ppb	3.3086	0.7	1327.12
Pb 220.353	494.036	ppb	2.3003	0.5	818.142
Sb 206.834	491.539	ppb	2.5555	0.5	456.379
Se 196.026	2008.01	ppb	1.5585	0.1	986.511
Sn 189.925	1035.37	ppb	3.4980	0.3	803.477
Sr 216.596	601.750	ppb	3.3282	0.6	5855.04
Ti 334.941	996.098	ppb	3.5213	0.4	263669
Tl 190.794	2038.09	ppb	9.1607	0.4	1397.55
V 292.401	513.195	ppb	0.6470	0.1	14340.0
Zn 206.200	493.629	ppb	3.9019	0.8	773.756

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680-88559-a-1-b ms (Samp) 3/27/2013, 5:30:43 AM Rack 3, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	22.9410	23.9908	23.1129
Al 308.215	4925.92	4947.03	4928.71
As 188.980	101.740	107.018	108.364
B 249.678	434.097	435.216	436.491
Ba 389.178	347.102	345.136	346.410
Be 313.042	51.3668	51.5650	51.5587
Ca 370.602	12937	12984	12976
Cd 226.502	48.8049	49.3170	49.2466
Co 228.615	51.2401	51.1207	50.3060
Cr 267.716	97.9020	97.9985	98.1946
Cu 324.754	101.306	101.095	100.390
Fe 271.441	25508.6	25566.9	25572.9
K 766.491	6407.93	6415.77	6410.44
Mg 279.078	12844.2	12888.2	12857.5
Mn 257.610	734.656	737.104	735.999
Mo 202.032	99.3180	97.7982	99.4102
Na 330.237	34584.1	34824.4	34556.0
Ni 231.604	101.571	99.7740	98.2571
Pb 220.353	47.6375	47.0959	50.4289
Sb 206.834	49.5333	50.2534	46.3775
Se 196.026	98.6042	107.218	99.6568
Sn 189.925	201.153	201.570	201.858
Sr 216.596	193.123	193.495	194.314
Ti 334.941	97.9160	98.1514	98.3460
Tl 190.794	41.9780	50.9323	47.1740
V 292.401	101.866	102.829	102.344
Zn 206.200	99.0501	96.5337	94.8239

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.3483	ppb	0.5631	2.4	1571.66
Al 308.215	4933.89	ppb	11.4641	0.2	29007.2
As 188.980	105.707	ppb	3.5014	3.3	64.8308
B 249.678	435.268	ppb	1.1977	0.3	4280.63
Ba 389.178	346.216	ppb	0.9974	0.3	8593.68
Be 313.042	51.4969	ppb	0.1127	0.2	100856
Ca 370.602	12966	ppb	25.38	0.2	40646
Cd 226.502	49.1228	ppb	0.2776	0.6	1920.07
Co 228.615	50.8889	ppb	0.5083	1.0	608.367
Cr 267.716	98.0317	ppb	0.1491	0.2	4290.19
Cu 324.754	100.930	ppb	0.4799	0.5	5092.71
Fe 271.441	25549.5	ppb	35.5404	0.1	43462.1
K 766.491	6411.38	ppb	4.0007	0.1	323165
Mg 279.078	12863.3	ppb	22.5778	0.2	26814.8
Mn 257.610	735.920	ppb	1.2263	0.2	169692
Mo 202.032	98.8422	ppb	0.9053	0.9	663.798
Na 330.237	34654.8	ppb	147.529	0.4	1779.43
Ni 231.604	99.8672	ppb	1.6587	1.7	264.033
Pb 220.353	48.3875	ppb	1.7886	3.7	83.2973
Sb 206.834	48.7214	ppb	2.0616	4.2	47.5160
Se 196.026	101.826	ppb	4.6990	4.6	49.2579
Sn 189.925	201.527	ppb	0.3547	0.2	155.341
Sr 216.596	193.644	ppb	0.6095	0.3	1900.72
Ti 334.941	98.1378	ppb	0.2153	0.2	25944.4
Tl 190.794	46.6947	ppb	4.4963	9.6	29.2396
V 292.401	102.346	ppb	0.4815	0.5	2857.83
Zn 206.200	96.8026	ppb	2.1259	2.2	853.439

680-88559-a-1-c msd (Samp) **3/27/2013, 5:36:10 AM** **Rack 3, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.3922	23.8444	22.9432
Al 308.215	4880.51	4878.92	4870.00
As 188.980	109.536	94.8925	107.178
B 249.678	414.248	417.802	415.968
Ba 389.178	338.010	338.546	338.017
Be 313.042	50.9935	51.0583	50.9697
Ca 370.602	12697	12721	12689
Cd 226.502	48.5710	48.3875	48.3205
Co 228.615	49.1952	51.3718	49.4846
Cr 267.716	96.8264	97.1536	97.3535
Cu 324.754	99.0058	99.4211	97.5555
Fe 271.441	24911.3	24894.9	24905.9
K 766.491	6312.06	6316.41	6323.39
Mg 279.078	12605.0	12591.6	12576.1
Mn 257.610	724.373	725.056	723.956
Mo 202.032	96.7273	97.3234	97.4539
Na 330.237	34017.2	33852.5	33927.0
Ni 231.604	99.6299	99.3926	100.883
Pb 220.353	50.2164	47.3955	47.5501
Sb 206.834	46.4334	42.3513	48.3201
Se 196.026	97.0609	93.1669	93.0713
Sn 189.925	203.183	197.714	198.032
Sr 216.596	190.924	190.428	190.868
Ti 334.941	97.1510	97.3501	97.2208
Tl 190.794	40.8242	44.3282	38.5752
V 292.401	100.510	100.940	101.216
Zn 206.200	97.2920	98.3020	96.9361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.3933	ppb	0.4506	1.9	1574.96
Al 308.215	4876.48	ppb	5.6653	0.1	28672.7
As 188.980	103.869	ppb	7.8624	7.6	63.6971
B 249.678	416.006	ppb	1.7772	0.4	4099.40
Ba 389.178	338.191	ppb	0.3072	0.1	8393.75
Be 313.042	51.0072	ppb	0.0459	0.1	99894.6
Ca 370.602	12702	ppb	16.38	0.1	39831
Cd 226.502	48.4264	ppb	0.1297	0.3	1892.32
Co 228.615	50.0172	ppb	1.1820	2.4	598.169
Cr 267.716	97.1112	ppb	0.2661	0.3	4249.82
Cu 324.754	98.6608	ppb	0.9795	1.0	4980.67
Fe 271.441	24904.0	ppb	8.3865	0.0	42364.2
K 766.491	6317.29	ppb	5.7129	0.1	318425
Mg 279.078	12590.9	ppb	14.4688	0.1	26247.3
Mn 257.610	724.462	ppb	0.5551	0.1	167050
Mo 202.032	97.1682	ppb	0.3874	0.4	652.721
Na 330.237	33932.3	ppb	82.4660	0.2	1742.34
Ni 231.604	99.9686	ppb	0.8010	0.8	264.285
Pb 220.353	48.3873	ppb	1.5859	3.3	83.2992
Sb 206.834	45.7016	ppb	3.0509	6.7	44.6917
Se 196.026	94.4330	ppb	2.2763	2.4	45.6160
Sn 189.925	199.643	ppb	3.0699	1.5	153.876
Sr 216.596	190.740	ppb	0.2717	0.1	1872.23
Ti 334.941	97.2406	ppb	0.1010	0.1	25705.6
Tl 190.794	41.2426	ppb	2.8992	7.0	25.5280
V 292.401	100.889	ppb	0.3558	0.4	2817.25
Zn 206.200	97.5100	ppb	0.7986	0.7	154.549

680-88559-a-2-a (Samp) 3/27/2013, 5:41:37 AM Rack 3, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5984u	-0.8502u	-0.1485u
Al 308.215	73.3771	72.0094	69.8062
As 188.980	-3.3492u	-7.5460u	-9.6958u
B 249.678	37.8854	37.4151	35.0092
Ba 389.178	89.7377	89.5612	89.1836
Be 313.042	0.0264	0.0120	0.0185
Ca 370.602	6394	6416	6359
Cd 226.502	0.0571	-0.1837	-0.1274
Co 228.615	-0.2990u	0.2732	0.9886
Cr 267.716	29.8206	30.4197	29.7340
Cu 324.754	0.8283	0.9826	0.8767
Fe 271.441	5644.07	5650.03	5605.04
K 766.491	1178.01	1185.10	1178.20
Mg 279.078	3822.86	3837.12	3805.33
Mn 257.610	42.7514	42.7695	42.4690
Mo 202.032	-0.0179u	0.7136	1.2680
Na 330.237	23843.2	24180.4	24021.2
Ni 231.604	0.5923	0.4623	0.1063
Pb 220.353	-3.4989u	-1.0145u	1.0343
Sb 206.834	-8.2475u	4.9609	-5.6282u
Se 196.026	0.5724	10.2907	6.5799
Sn 189.925	-0.4626u	0.7847	0.6329
Sr 216.596	51.6108	52.4687	50.8547
Ti 334.941	0.2249	0.1923	0.2005
Tl 190.794	6.5367	0.8349	1.9720
V 292.401	1.4915	1.4084	1.3283
Zn 206.200	1.1830	1.0245	0.7541

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5324	ppb	0.3555	66.8	-105.812
Al 308.215	71.7309	ppb	1.8017	2.5	683.174
As 188.980	-6.8637	ppb	3.2279	47.0	-4.6601
B 249.678	36.7699	ppb	1.5428	4.2	537.566
Ba 389.178	89.4942	ppb	0.2831	0.3	2198.86
Be 313.042	0.0190	ppb	0.0072	38.1	-174.576
Ca 370.602	6390	ppb	28.91	0.5	20592
Cd 226.502	-0.0847	ppb	0.1259	148.8	21.5876
Co 228.615	0.3209	ppb	0.6452	201.0	15.5328
Cr 267.716	29.9914	ppb	0.3734	1.2	1313.73
Cu 324.754	0.8959	ppb	0.0789	8.8	156.060
Fe 271.441	5633.05	ppb	24.4351	0.4	9583.35
K 766.491	1180.44	ppb	4.0434	0.3	59667.7
Mg 279.078	3821.77	ppb	15.9256	0.4	7987.48
Mn 257.610	42.6633	ppb	0.1685	0.4	9921.24
Mo 202.032	0.6546	ppb	0.6450	98.5	13.2949
Na 330.237	24014.9	ppb	168.670	0.7	1237.76
Ni 231.604	0.3870	ppb	0.2516	65.0	3.4481
Pb 220.353	-1.1597	ppb	2.2701	195.7	1.6113
Sb 206.834	-2.9716	ppb	6.9935	235.3	-0.9197
Se 196.026	5.8143	ppb	4.9041	84.3	1.7627
Sn 189.925	0.3183	ppb	0.6805	213.8	-1.0630
Sr 216.596	51.6447	ppb	0.8075	1.6	514.168
Ti 334.941	0.2059	ppb	0.0169	8.2	-22.2892
Tl 190.794	3.1145	ppb	3.0177	96.9	0.6755
V 292.401	1.4094	ppb	0.0816	5.8	41.3529
Zn 206.200	0.9872	ppb	0.2169	22.0	3.7981

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88559-a-3-a (Samp)

3/27/2013, 5:47:04 AM

Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2546u	-0.1468u	-0.9600u
Al 308.215	63.3985	61.3796	62.8182
As 188.980	-3.3531u	-2.7613u	-0.7793u
B 249.678	35.8343	36.7106	36.8527
Ba 389.178	194.077	193.171	195.007
Be 313.042	0.2119	0.2245	0.2193
Ca 370.602	35936	35954	36177
Cd 226.502	-0.5589	-0.4710	-0.3952
Co 228.615	2.1261	1.6143	1.9879
Cr 267.716	2.7098	2.5578	2.2401
Cu 324.754	-0.2105	0.2867	0.4743
Fe 271.441	110842	110873	111598
K 766.491	3896.93	3904.27	3941.11
Mg 279.078	38750.7	38721.1	39050.5
Mn 257.610	640.838	641.645	646.151
Mo 202.032	-0.5338u	-0.2971u	-0.5785u
Na 330.237	76202.8	76205.3	76926.0
Ni 231.604	3.8986	7.6374	6.6721
Pb 220.353	0.4984	-3.5883u	0.8391
Sb 206.834	-0.6459	-5.2742u	-5.6030u
Se 196.026	9.4396	6.0163	2.9646
Sn 189.925	2.5582	4.8776	2.5025
Sr 216.596	443.783	443.944	444.137
Ti 334.941	-0.0858	-0.1354	-0.0935
Tl 190.794	0.9363u	-2.6285u	2.5617u
V 292.401	1.0473	0.6548	-0.0480u
Zn 206.200	4.3442	0.7299	2.5743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4538	ppb	0.4417	97.3	-115.511
Al 308.215	62.5321	ppb	1.0394	1.7	629.430
As 188.980	-2.2979	ppb	1.3480	58.7	-2.6543
B 249.678	36.4659	ppb	0.5516	1.5	435.769
Ba 389.178	194.085	ppb	0.9179	0.5	5037.81
Be 313.042	0.2185	ppb	0.0063	2.9	217.975
Ca 370.602	36022	ppb	134.4	0.4	109470
Cd 226.502	-0.4750	ppb	0.0819	17.3	264.510
Co 228.615	1.9094	ppb	0.2648	13.9	30.5068
Cr 267.716	2.5026	ppb	0.2397	9.6	139.465
Cu 324.754	0.1835	ppb	0.3538	192.8	151.605
Fe 271.441	111104	ppb	427.917	0.4	188948
K 766.491	3914.10	ppb	23.6780	0.6	197370
Mg 279.078	38840.7	ppb	182.254	0.5	80951.2
Mn 257.610	642.878	ppb	2.8632	0.4	148641
Mo 202.032	-0.4698	ppb	0.1512	32.2	1.0143
Na 330.237	76444.7	ppb	416.837	0.5	3912.15
Ni 231.604	6.0693	ppb	1.9409	32.0	20.4803
Pb 220.353	-0.7503	ppb	2.4637	328.4	2.4181
Sb 206.834	-3.8410	ppb	2.7719	72.2	0.2655
Se 196.026	6.1402	ppb	3.2393	52.8	2.6827
Sn 189.925	3.3128	ppb	1.3555	40.9	1.2917
Sr 216.596	443.955	ppb	0.1773	0.0	4377.66
Ti 334.941	-0.1049	ppb	0.0267	25.5	52.3454
Tl 190.794	0.2898	ppb	2.6548	916.0	-5.5755
V 292.401	0.5514	ppb	0.5549	100.6	19.2342
Zn 206.200	2.5495	ppb	1.8973	70.9	6.3250

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Cont Calib Verif (CCV) **3/27/2013, 5:52:31 AM** **Rack 3, Tube 49****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	492.055	504.305	495.369
Al 308.215	4917.29	4940.91	4914.89
As 188.980	456.301	462.014	461.963
B 249.678	2445.66	2479.35	2480.62
Ba 389.178	4891.11	4924.38	4884.07
Be 313.042	487.561	489.709	486.529
Ca 370.602	4831	4864	4826
Cd 226.502	475.200	475.179	473.820
Co 228.615	489.680	491.018	488.640
Cr 267.716	4689.72	4717.66	4671.71
Cu 324.754	4844.59	4930.14	4706.98
Fe 271.441	4901.54	4942.53	4904.19
K 766.491	10059.9	10155.7	10107.0
Mg 279.078	4820.80	4843.27	4798.60
Mn 257.610	4884.15	4916.71	4877.76
Mo 202.032	471.272	474.841	470.881
Na 330.237	7424.08	7220.46	7306.56
Ni 231.604	2425.92	2434.02	2419.10
Pb 220.353	478.787	480.445	470.445
Sb 206.834	903.876	913.460	917.026
Se 196.026	4770.38	4811.39	4770.88
Sn 189.925	4913.96	4898.84	4890.96
Sr 216.596	2371.50	2384.56	2365.37
Ti 334.941	476.528	480.689	476.242
Tl 190.794	4768.67	4815.01	4787.79
V 292.401	4875.51	4909.86	4878.57
Zn 206.200	2408.23	2424.51	2399.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.243	ppb	6.3362	1.3	34865.0	99.44863
Al 308.215	4924.36	ppb	14.3789	0.3	28916.3	98.48724
As 188.980	460.093	ppb	3.2835	0.7	284.178	92.01856
B 249.678	2468.55	ppb	19.8290	0.8	23493.6	98.74181
Ba 389.178	4899.86	ppb	21.5314	0.4	120989	97.99713
Be 313.042	487.933	ppb	1.6223	0.3	957324	97.58660
Ca 370.602	4840	ppb	20.67	0.4	15822	96.80305
Cd 226.502	474.733	ppb	0.7911	0.2	17869.5	94.94660
Co 228.615	489.779	ppb	1.1918	0.2	5775.10	97.95583
Cr 267.716	4693.03	ppb	23.1497	0.5	204858	93.86062
Cu 324.754	4827.23	ppb	112.588	2.3	237938	96.54467
Fe 271.441	4916.09	ppb	22.9396	0.5	8483.92	98.32178
K 766.491	10107.5	ppb	47.8994	0.5	509349	101.07520
Mg 279.078	4820.89	ppb	22.3356	0.5	9990.89	96.41788
Mn 257.610	4892.88	ppb	20.8887	0.4	1126997	97.85754
Mo 202.032	472.331	ppb	2.1821	0.5	3135.03	94.46619
Na 330.237	7317.03	ppb	102.215	1.4	354.278	97.56044
Ni 231.604	2426.35	ppb	7.4716	0.3	6348.11	97.05386
Pb 220.353	476.559	ppb	5.3593	1.1	790.455	95.31185
Sb 206.834	911.454	ppb	6.8007	0.7	893.878	91.14540
Se 196.026	4784.22	ppb	23.5336	0.5	2352.51	95.68432
Sn 189.925	4901.25	ppb	11.6859	0.2	3808.39	98.02505
Sr 216.596	2373.81	ppb	9.8014	0.4	23083.4	94.95242
Ti 334.941	477.820	ppb	2.4890	0.5	126427	95.56399
Tl 190.794	4790.49	ppb	23.2900	0.5	3286.14	95.80984
V 292.401	4887.98	ppb	19.0115	0.4	137096	97.75963
Zn 206.200	2410.76	ppb	12.6671	0.5	3758.09	96.43052

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Blank (CCB) 3/27/2013, 5:57:58 AM Rack 3, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4521u	-0.1589u	0.3912
Al 308.215	-7.6330u	-4.1687u	-3.3562u
As 188.980	-1.6260u	-0.9224u	-4.7160u
B 249.678	45.5772	42.2036	37.8868
Ba 389.178	0.3292	0.5836	-0.4490u
Be 313.042	-0.0146u	-0.0017u	-0.0099u
Ca 370.602	-4.823u	-2.713u	-7.739u
Cd 226.502	-0.0792u	0.1288	-0.1091u
Co 228.615	-0.3841u	-0.2888u	-0.0126u
Cr 267.716	-0.1742u	-0.1464u	0.2521
Cu 324.754	-0.3821u	-0.5285u	0.0384
Fe 271.441	-2.2836u	4.4740	3.1864
K 766.491	0.5704	0.4596	0.0461
Mg 279.078	2.2566	1.5083	-0.5588u
Mn 257.610	-0.0670u	0.0434	0.0306
Mo 202.032	0.7481	1.0117	0.4996
Na 330.237	-107.113u	211.861	-159.324u
Ni 231.604	0.4608	0.7148	0.5463
Pb 220.353	-0.4714u	-1.9788u	-1.2688u
Sb 206.834	1.8443	1.4359	7.1658
Se 196.026	-1.1570u	1.2677	-4.6518u
Sn 189.925	9.1092	1.5900	0.7052
Sr 216.596	-0.4182u	-0.4103u	-0.1681u
Ti 334.941	0.2049	0.0992	0.0490
Tl 190.794	6.4095	5.7413	7.9168
V 292.401	-0.3285u	-0.2570u	0.1921
Zn 206.200	0.3462	-0.3012u	-0.6279u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0733	ppb	0.4281	584.3	-71.3835	-0.07327
Al 308.215	-5.0526	ppb	2.2713	45.0	236.080	-5.05265
As 188.980	-2.4215	ppb	2.0180	83.3	-1.9080	-2.42148
B 249.678	41.8892	ppb	3.8548	9.2	591.175	41.88921
Ba 389.178	0.1546	ppb	0.5380	348.0	-26.1997	0.15460
Be 313.042	-0.0087	ppb	0.0065	74.7	-227.861	-0.00873
Ca 370.602	-5.092	ppb	2.523	49.6	-23.11	-5.09187
Cd 226.502	-0.0198	ppb	0.1296	654.0	10.3567	-0.01982
Co 228.615	-0.2285	ppb	0.1929	84.4	9.1689	-0.22853
Cr 267.716	-0.0228	ppb	0.2385	1044.5	1.6592	-0.02283
Cu 324.754	-0.2907	ppb	0.2943	101.2	95.9654	-0.29072
Fe 271.441	1.7923	ppb	3.5880	200.2	6.6553	1.79228
K 766.491	0.3587	ppb	0.2764	77.0	223.882	0.35869
Mg 279.078	1.0687	ppb	1.4583	136.5	27.5648	1.06867
Mn 257.610	0.0023	ppb	0.0604	2607.7	59.2714	0.00232
Mo 202.032	0.7531	ppb	0.2561	34.0	14.2090	0.75314
Na 330.237	-18.1919	ppb	200.935	1104.5	-0.9480	-18.19190
Ni 231.604	0.5740	ppb	0.1293	22.5	3.8210	0.57396
Pb 220.353	-1.2397	ppb	0.7541	60.8	1.4717	-1.23967
Sb 206.834	3.4820	ppb	3.1968	91.8	4.7035	3.48199
Se 196.026	-1.5137	ppb	2.9759	196.6	-1.8837	-1.51369
Sn 189.925	3.8015	ppb	4.6179	121.5	1.6339	3.80145
Sr 216.596	-0.3322	ppb	0.1422	42.8	5.1438	-0.33220
Ti 334.941	0.1177	ppb	0.0796	67.6	-60.7418	0.11774
Tl 190.794	6.6892	ppb	1.1144	16.7	3.3714	6.68920
V 292.401	-0.1311	ppb	0.2822	215.2	0.1018	-0.13113
Zn 206.200	-0.1943	ppb	0.4958	255.2	2.0437	-0.19431

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9485u	0.0809	-0.8173u
Al 308.215	33.1389	30.7800	31.4158
As 188.980	-1.1627u	4.9398	-2.3139u
B 249.678	45.1493	46.0308	45.0765
Ba 389.178	35.6582	34.1664	34.5275
Be 313.042	-0.0015u	0.0049	0.0051
Ca 370.602	2553	2559	2555
Cd 226.502	0.0609	0.0119	-0.2122
Co 228.615	0.9388	0.3510	0.2608
Cr 267.716	0.8017	0.4772	0.4218
Cu 324.754	0.5140	0.2870	-0.1995u
Fe 271.441	4525.30	4546.81	4552.82
K 766.491	889.638	890.154	885.848
Mg 279.078	1808.84	1812.15	1829.64
Mn 257.610	21.4972	21.6360	21.6949
Mo 202.032	-0.6200u	0.0462	0.6597
Na 330.237	14953.2	15026.0	15009.9
Ni 231.604	-0.3358u	1.0678	0.2843
Pb 220.353	-0.7622u	2.4144	0.9111
Sb 206.834	0.3337	-3.9383u	-2.4078u
Se 196.026	12.2118	3.8931	13.6211
Sn 189.925	0.6814	1.1908	0.8937
Sr 216.596	21.0630	22.2153	22.3690
Ti 334.941	0.1955	0.2284	0.2477
Tl 190.794	-2.6926u	0.2075u	0.4748
V 292.401	1.6049	1.8851	1.8723
Zn 206.200	-0.2493u	-1.1600u	0.4613

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5616	ppb	0.5603	99.8	-106.623
Al 308.215	31.7782	ppb	1.2205	3.8	450.446
As 188.980	0.4877	ppb	3.8983	799.3	-0.1319
B 249.678	45.4189	ppb	0.5312	1.2	620.238
Ba 389.178	34.7840	ppb	0.7783	2.2	840.757
Be 313.042	0.0028	ppb	0.0038	134.3	-206.343
Ca 370.602	2556	ppb	3.100	0.1	8042
Cd 226.502	-0.0464	ppb	0.1456	313.5	20.3736
Co 228.615	0.5169	ppb	0.3682	71.2	17.7939
Cr 267.716	0.5669	ppb	0.2052	36.2	28.6922
Cu 324.754	0.2005	ppb	0.3646	181.8	121.458
Fe 271.441	4541.64	ppb	14.4699	0.3	7727.24
K 766.491	888.546	ppb	2.3514	0.3	44964.3
Mg 279.078	1816.88	ppb	11.1774	0.6	3810.86
Mn 257.610	21.6094	ppb	0.1015	0.5	5058.09
Mo 202.032	0.0286	ppb	0.6400	2236.5	9.1901
Na 330.237	14996.4	ppb	38.2230	0.3	772.632
Ni 231.604	0.3388	ppb	0.7034	207.6	3.2993
Pb 220.353	0.8544	ppb	1.5891	186.0	4.9345
Sb 206.834	-2.0041	ppb	2.1645	108.0	-0.3061
Se 196.026	9.9087	ppb	5.2570	53.1	3.7644
Sn 189.925	0.9220	ppb	0.2559	27.8	-0.5983
Sr 216.596	21.8824	ppb	0.7138	3.3	223.488
Ti 334.941	0.2239	ppb	0.0264	11.8	-25.5211
Tl 190.794	-0.6701	ppb	1.7566	262.2	-1.8642
V 292.401	1.7874	ppb	0.1582	8.9	54.0207
Zn 206.200	-0.3160	ppb	0.8127	257.2	1.8512

680-88559-a-5-a (Samp) 3/27/2013, 6:08:53 AM Rack 3, Tube 52
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2810u	-0.4202u	-0.3852u
Al 308.215	6.9006	5.5893	1.3247
As 188.980	2.9996	-2.4255u	2.0206
B 249.678	34.1179	36.2319	34.2272
Ba 389.178	193.934	194.837	194.713
Be 313.042	0.0881	0.0946	0.0937
Ca 370.602	4918	4919	4952
Cd 226.502	-0.1064	-0.1584	-0.1419
Co 228.615	0.3569	0.5149	0.5491
Cr 267.716	0.4256	0.5184	0.3393
Cu 324.754	0.6348	-0.0263	0.3972
Fe 271.441	11956.3	11967.3	12027.4
K 766.491	1553.63	1544.56	1549.01
Mg 279.078	4742.08	4744.65	4781.24
Mn 257.610	74.9292	74.8856	75.3399
Mo 202.032	-0.0410u	0.1310	-0.3565u
Na 330.237	19376.5	19033.6	19147.9
Ni 231.604	0.5347	-0.0929	1.7054
Pb 220.353	-1.7204u	-0.1207u	-2.7756u
Sb 206.834	-7.6881u	-1.7257u	-1.7013u
Se 196.026	11.4098	8.7872	2.7693
Sn 189.925	-0.6659u	-0.4601u	-0.8899u
Sr 216.596	60.8235	60.6627	61.2626
Ti 334.941	0.0024	-0.0604	-0.0522
Tl 190.794	2.8710	1.4516	5.9430
V 292.401	0.5863	0.5192	1.1731
Zn 206.200	2.0558	1.3103	1.7399

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3621	ppb	0.0724	20.0	-94.1014
Al 308.215	4.6049	ppb	2.9154	63.3	292.231
As 188.980	0.8649	ppb	2.8913	334.3	0.0462
B 249.678	34.8590	ppb	1.1902	3.4	513.576
Ba 389.178	194.495	ppb	0.4896	0.3	4803.66
Be 313.042	0.0921	ppb	0.0035	3.8	-30.9680
Ca 370.602	4930	ppb	19.36	0.4	15247
Cd 226.502	-0.1356	ppb	0.0266	19.6	35.2023
Co 228.615	0.4736	ppb	0.1025	21.7	17.0213
Cr 267.716	0.4278	ppb	0.0896	20.9	24.4976
Cu 324.754	0.3352	ppb	0.3349	99.9	130.271
Fe 271.441	11983.7	ppb	38.2744	0.3	20383.2
K 766.491	1549.07	ppb	4.5386	0.3	78236.6
Mg 279.078	4755.99	ppb	21.9015	0.5	9934.36
Mn 257.610	75.0515	ppb	0.2507	0.3	17403.2
Mo 202.032	-0.0888	ppb	0.2472	278.4	8.0725
Na 330.237	19186.0	ppb	174.602	0.9	986.621
Ni 231.604	0.7158	ppb	0.9127	127.5	4.4385
Pb 220.353	-1.5389	ppb	1.3368	86.9	0.9940
Sb 206.834	-3.7050	ppb	3.4495	93.1	-1.7367
Se 196.026	7.6554	ppb	4.4300	57.9	2.7128
Sn 189.925	-0.6720	ppb	0.2150	32.0	-1.8351
Sr 216.596	60.9163	ppb	0.3105	0.5	606.715
Ti 334.941	-0.0367	ppb	0.0342	93.0	-81.4546
Tl 190.794	3.4219	ppb	2.2958	67.1	0.6310
V 292.401	0.7595	ppb	0.3597	47.4	25.1263
Zn 206.200	1.7020	ppb	0.3742	22.0	5.0080

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680-88559-a-6-a (Samp) 3/27/2013, 6:14:20 AM Rack 3, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8058	0.2551	-0.5576u
Al 308.215	1.1274	2.1700	6.3592
As 188.980	0.9179	-4.2955u	1.9278
B 249.678	4.6549	3.8773	3.5451
Ba 389.178	174.937	172.020	174.759
Be 313.042	0.0627	0.0722	0.0752
Ca 370.602	3514	3474	3518
Cd 226.502	-0.0345	-0.3377	-0.0081
Co 228.615	0.1375	-0.2732u	0.0370
Cr 267.716	7.9788	8.3208	8.4573
Cu 324.754	0.0607	0.6078	0.5357
Fe 271.441	7542.94	7456.24	7545.21
K 766.491	3205.09	3163.20	3189.43
Mg 279.078	4223.74	4183.35	4236.65
Mn 257.610	32.0747	31.7501	31.9333
Mo 202.032	0.9495	-0.2865u	0.2705
Na 330.237	14589.0	14361.9	14725.4
Ni 231.604	62.0138	63.4044	60.0776
Pb 220.353	-2.4582u	-2.2624u	-1.0370u
Sb 206.834	-3.5235u	-2.7033u	-7.0925u
Se 196.026	4.9299	6.9416	1.1009
Sn 189.925	0.6473	0.7652	-0.1710u
Sr 216.596	52.9025	53.5600	53.3757
Ti 334.941	0.0657	0.0914	-0.0043
Tl 190.794	-5.2382u	5.0318	-0.2007u
V 292.401	0.1191	-0.0831u	0.0457
Zn 206.200	2.1483	3.7998	1.2944

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1678	ppb	0.6859	408.8	-56.6539
Al 308.215	3.2189	ppb	2.7691	86.0	284.179
As 188.980	-0.4833	ppb	3.3398	691.1	-0.7549
B 249.678	4.0258	ppb	0.5696	14.1	226.713
Ba 389.178	173.905	ppb	1.6351	0.9	4287.01
Be 313.042	0.0700	ppb	0.0065	9.3	-74.2534
Ca 370.602	3502	ppb	24.51	0.7	10911
Cd 226.502	-0.1268	ppb	0.1832	144.5	24.6424
Co 228.615	-0.0329	ppb	0.2141	651.0	11.2552
Cr 267.716	8.2523	ppb	0.2465	3.0	364.893
Cu 324.754	0.4014	ppb	0.2973	74.1	132.240
Fe 271.441	7514.79	ppb	50.7228	0.7	12783.3
K 766.491	3185.91	ppb	21.1684	0.7	160689
Mg 279.078	4214.58	ppb	27.8059	0.7	8806.33
Mn 257.610	31.9194	ppb	0.1627	0.5	7454.06
Mo 202.032	0.3112	ppb	0.6190	198.9	10.9325
Na 330.237	14558.8	ppb	183.640	1.3	749.135
Ni 231.604	61.8320	ppb	1.6709	2.7	164.185
Pb 220.353	-1.9192	ppb	0.7702	40.1	0.3568
Sb 206.834	-4.4398	ppb	2.3337	52.6	-2.4426
Se 196.026	4.3241	ppb	2.9671	68.6	1.0382
Sn 189.925	0.4138	ppb	0.5099	123.2	-0.9931
Sr 216.596	53.2794	ppb	0.3392	0.6	529.591
Ti 334.941	0.0510	ppb	0.0495	97.2	-60.7209
Tl 190.794	-0.1357	ppb	5.1353	3783.9	-1.6128
V 292.401	0.0272	ppb	0.1024	376.1	4.0375
Zn 206.200	2.4141	ppb	1.2737	52.8	6.0967

680-88559-a-7-a (Samp) 3/27/2013, 6:19:47 AM Rack 3, Tube 54
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3311u	-0.5124u	-0.6714u
Al 308.215	35.1177	33.2726	33.5216
As 188.980	-0.1459u	-0.9420u	-0.7939u
B 249.678	5.0251	3.9581	4.5222
Ba 389.178	150.517	149.308	150.370
Be 313.042	0.0456	0.0321	0.0375
Ca 370.602	4911	4886	4898
Cd 226.502	-0.1084	-0.0431	-0.3787
Co 228.615	2.5552	2.0482	1.4062
Cr 267.716	0.5925	0.2695	0.7465
Cu 324.754	0.4517	0.2214	0.5142
Fe 271.441	17743.6	17662.7	17695.6
K 766.491	1288.62	1285.80	1287.87
Mg 279.078	4117.87	4101.05	4121.24
Mn 257.610	327.846	326.762	327.490
Mo 202.032	0.2421	0.1281	0.7540
Na 330.237	46185.5	45901.0	46076.9
Ni 231.604	3.2948	3.0320	2.6438
Pb 220.353	-2.7288u	-2.3355u	0.4133
Sb 206.834	-4.0670u	-4.5883u	-7.0487u
Se 196.026	5.6861	5.5782	3.5608
Sn 189.925	-0.2762u	-0.1374u	1.7701
Sr 216.596	57.2839	57.3712	57.4536
Ti 334.941	0.3295	0.3747	0.4170
Tl 190.794	-1.6278u	-2.7459u	2.0336
V 292.401	0.3170	0.4474	1.1234
Zn 206.200	0.0445	0.6087	1.7648

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5050	ppb	0.1703	33.7	-102.960
Al 308.215	33.9706	ppb	1.0012	2.9	463.260
As 188.980	-0.6273	ppb	0.4234	67.5	-0.9356
B 249.678	4.5018	ppb	0.5338	11.9	221.652
Ba 389.178	150.065	ppb	0.6598	0.4	3713.40
Be 313.042	0.0384	ppb	0.0068	17.7	-139.905
Ca 370.602	4899	ppb	12.33	0.3	14671
Cd 226.502	-0.1767	ppb	0.1780	100.7	47.4357
Co 228.615	2.0032	ppb	0.5758	28.7	34.7989
Cr 267.716	0.5362	ppb	0.2434	45.4	31.8867
Cu 324.754	0.3958	ppb	0.1542	39.0	134.922
Fe 271.441	17700.6	ppb	40.6709	0.2	30105.8
K 766.491	1287.43	ppb	1.4623	0.1	65057.1
Mg 279.078	4113.39	ppb	10.8169	0.3	8592.66
Mn 257.610	327.366	ppb	0.5525	0.2	75526.5
Mo 202.032	0.3747	ppb	0.3334	89.0	10.8879
Na 330.237	46054.5	ppb	143.527	0.3	2371.65
Ni 231.604	2.9902	ppb	0.3275	11.0	10.5046
Pb 220.353	-1.5503	ppb	1.7119	110.4	1.0276
Sb 206.834	-5.2347	ppb	1.5925	30.4	-3.0443
Se 196.026	4.9417	ppb	1.1971	24.2	1.4734
Sn 189.925	0.4521	ppb	1.1435	252.9	-0.9524
Sr 216.596	57.3696	ppb	0.0849	0.1	574.223
Ti 334.941	0.3737	ppb	0.0438	11.7	23.0104
Tl 190.794	-0.7801	ppb	2.5000	320.5	-2.7089
V 292.401	0.6293	ppb	0.4329	68.8	21.1824
Zn 206.200	0.8060	ppb	0.8769	108.8	3.6060

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680-88559-a-8-a (Samp) **3/27/2013, 6:25:14 AM** **Rack 3, Tube 55****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1695u	0.2770	-0.5728u
Al 308.215	27.7789	25.9813	26.3511
As 188.980	1.1560	0.3435	-2.7800u
B 249.678	209.783	212.724	212.938
Ba 389.178	133.751	134.855	132.625
Be 313.042	0.0452	0.0380	0.0337
Ca 370.602	7056	7092	7010
Cd 226.502	-0.3354	-0.3181	-0.2933
Co 228.615	1.4030	1.1359	1.5697
Cr 267.716	0.3680	0.1545	0.2475
Cu 324.754	0.8665	0.3487	0.5390
Fe 271.441	15920.2	15949.1	15890.9
K 766.491	1741.92	1743.58	1741.48
Mg 279.078	5388.39	5380.75	5358.94
Mn 257.610	159.831	160.113	159.276
Mo 202.032	-0.4809u	-0.1354u	-0.8383u
Na 330.237	9505.35	10092.7	9858.18
Ni 231.604	3.9798	7.5711	1.9054
Pb 220.353	-0.3063u	0.2472	-1.2455u
Sb 206.834	-3.4288u	-6.1773u	1.7078
Se 196.026	11.6686	1.2374	5.1461
Sn 189.925	3.3181	-3.3074u	0.6113
Sr 216.596	74.1052	75.2611	74.5617
Ti 334.941	-0.0692	0.0315	0.0103
Tl 190.794	-1.6159u	4.6927	1.0148u
V 292.401	0.5646	-0.0418u	0.0033
Zn 206.200	0.2393	-0.0681u	0.7234

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1551	ppb	0.4251	274.0	-79.8076
Al 308.215	26.7037	ppb	0.9493	3.6	420.851
As 188.980	-0.4268	ppb	2.0780	486.9	-0.7752
B 249.678	211.815	ppb	1.7632	0.8	2180.30
Ba 389.178	133.744	ppb	1.1150	0.8	3311.25
Be 313.042	0.0389	ppb	0.0058	14.9	-133.469
Ca 370.602	7053	ppb	41.16	0.6	21919
Cd 226.502	-0.3156	ppb	0.0211	6.7	38.1094
Co 228.615	1.3695	ppb	0.2188	16.0	27.4308
Cr 267.716	0.2567	ppb	0.1070	41.7	18.0562
Cu 324.754	0.5847	ppb	0.2619	44.8	143.701
Fe 271.441	15920.0	ppb	29.0926	0.2	27077.6
K 766.491	1742.33	ppb	1.1056	0.1	87971.8
Mg 279.078	5376.03	ppb	15.2786	0.3	11225.4
Mn 257.610	159.740	ppb	0.4261	0.3	36922.3
Mo 202.032	-0.4849	ppb	0.3514	72.5	5.2651
Na 330.237	9818.73	ppb	295.638	3.0	501.985
Ni 231.604	4.4854	ppb	2.8665	63.9	14.3785
Pb 220.353	-0.4349	ppb	0.7546	173.5	2.8355
Sb 206.834	-2.6328	ppb	4.0024	152.0	-0.6469
Se 196.026	6.0174	ppb	5.2699	87.6	1.9510
Sn 189.925	0.2073	ppb	3.3312	1606.7	-1.1540
Sr 216.596	74.6427	ppb	0.5822	0.8	742.046
Ti 334.941	-0.0091	ppb	0.0531	583.2	-70.4127
Tl 190.794	1.3639	ppb	3.1687	232.3	-1.0058
V 292.401	0.1754	ppb	0.3379	192.7	8.8911
Zn 206.200	0.2982	ppb	0.3990	173.8	2.8126

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680-88559-a-9-a (Samp) **3/27/2013, 6:30:41 AM** **Rack 3, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8553u	-1.1120u	0.4153
Al 308.215	-2.1254u	-2.3062u	-3.7718u
As 188.980	1.4853	0.5354	0.2114
B 249.678	-10.0031u	-9.5359u	-10.4727u
Ba 389.178	0.5645	0.6392	-0.2374u
Be 313.042	-0.0088u	-0.0162u	-0.0082u
Ca 370.602	39.09	42.31	36.82
Cd 226.502	-0.0721u	-0.0169u	0.1409
Co 228.615	-0.2545u	0.6591	-0.3574u
Cr 267.716	0.0454	-0.2226u	0.1378
Cu 324.754	0.0791	0.3024	0.2520
Fe 271.441	13.7917	12.5993	14.8778
K 766.491	1.3222	2.2235	2.2051
Mg 279.078	0.6422	-0.1947u	-3.4821u
Mn 257.610	-0.0308u	0.0037	0.0195
Mo 202.032	0.6672	-0.3685u	0.4436
Na 330.237	200.717	225.830	282.214
Ni 231.604	1.7089	5.9979	3.5008
Pb 220.353	-2.5491u	-1.1552u	-2.1735u
Sb 206.834	-0.2354u	-2.0111u	2.7640
Se 196.026	5.5597	-1.2548u	-3.1058u
Sn 189.925	1.7143	-2.0244u	0.7908
Sr 216.596	0.2511	0.3919	-0.0551u
Ti 334.941	-0.0428u	0.0056	-0.0561u
Tl 190.794	0.9901	0.9775	-6.1391u
V 292.401	0.0740	-0.0138u	0.0082
Zn 206.200	-0.3001u	-1.1905u	1.2043

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5173	ppb	0.8178	158.1	-102.603
Al 308.215	-2.7345	ppb	0.9029	33.0	249.517
As 188.980	0.7440	ppb	0.6620	89.0	0.0513
B 249.678	-10.0039	ppb	0.4684	4.7	101.305
Ba 389.178	0.3221	ppb	0.4860	150.9	-22.0540
Be 313.042	-0.0110	ppb	0.0045	40.3	-232.348
Ca 370.602	39.41	ppb	2.763	7.0	122.6
Cd 226.502	0.0173	ppb	0.1105	639.8	11.7799
Co 228.615	0.0157	ppb	0.5596	3558.5	12.0506
Cr 267.716	-0.0131	ppb	0.1872	1424.0	2.0869
Cu 324.754	0.2111	ppb	0.1171	55.5	120.684
Fe 271.441	13.7563	ppb	1.1396	8.3	27.0393
K 766.491	1.9169	ppb	0.5151	26.9	302.376
Mg 279.078	-1.0116	ppb	2.1801	215.5	23.2326
Mn 257.610	-0.0025	ppb	0.0257	1011.2	58.1729
Mo 202.032	0.2474	ppb	0.5450	220.2	10.8522
Na 330.237	236.254	ppb	41.7366	17.7	12.1808
Ni 231.604	3.7358	ppb	2.1541	57.7	12.0906
Pb 220.353	-1.9593	ppb	0.7212	36.8	0.2838
Sb 206.834	0.1725	ppb	2.4135	1398.9	1.6227
Se 196.026	0.3997	ppb	4.5636	1141.8	-0.9428
Sn 189.925	0.1602	ppb	1.9475	1215.4	-1.1963
Sr 216.596	0.1960	ppb	0.2286	116.6	10.2501
Ti 334.941	-0.0311	ppb	0.0325	104.5	-100.172
Tl 190.794	-1.3905	ppb	4.1124	295.8	-2.1789
V 292.401	0.0228	ppb	0.0457	200.4	4.5102
Zn 206.200	-0.0954	ppb	1.2104	1268.2	2.1980

680-88559-a-11-a (Samp) **3/27/2013, 6:36:08 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.9918u	-2.5150u	-3.3585u
Al 308.215	2372.57	2372.41	2372.92
As 188.980	10.3686	7.9873	6.1214
B 249.678	97.0882	97.9866	97.3893
Ba 389.178	11.1219	10.8862	10.4623
Be 313.042	0.4197	0.4239	0.4217
Ca 370.602	67464	67494	67434
Cd 226.502	-0.0034	0.1892	0.0547
Co 228.615	4.5951	4.9814	4.2505
Cr 267.716	1.7919	1.7672	1.7506
Cu 324.754	0.9174	1.0785	0.9072
Fe 271.441	17935.9	17907.5	17991.5
K 766.491	32591.4	32657.7	32742.2
Mg 279.078	27679.8	27626.8	27579.8
Mn 257.610	342.299	341.874	341.760
Mo 202.032	1.0815	1.2503	0.9987
Na 330.237	41465.1	41485.6	41653.6
Ni 231.604	6.0193	5.1874	3.9192
Pb 220.353	17.9771	20.2381	21.3087
Sb 206.834	-1.9457u	-3.4182u	-0.0646
Se 196.026	9.8916	5.0643	-1.8821u
Sn 189.925	-3.1498u	5.2317	0.0123
Sr 216.596	265.718	265.101	263.755
Ti 334.941	0.0364	-0.0018	0.0384
Tl 190.794	4.8085	3.5397	0.5973u
V 292.401	7.5246	8.1959	7.7238
Zn 206.200	12.7417	12.4384	13.5222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9551	ppb	0.4230	14.3	-284.653
Al 308.215	2372.63	ppb	0.2602	0.0	14081.4
As 188.980	8.1591	ppb	2.1288	26.1	5.0290
B 249.678	97.4880	ppb	0.4573	0.5	1099.24
Ba 389.178	10.8235	ppb	0.3343	3.1	341.318
Be 313.042	0.4217	ppb	0.0021	0.5	633.107
Ca 370.602	67464	ppb	29.94	0.0	220973
Cd 226.502	0.0802	ppb	0.0988	123.2	58.0189
Co 228.615	4.6090	ppb	0.3656	7.9	65.4078
Cr 267.716	1.7699	ppb	0.0208	1.2	85.7396
Cu 324.754	0.9677	ppb	0.0961	9.9	163.124
Fe 271.441	17945.0	ppb	42.7357	0.2	30521.8
K 766.491	32663.8	ppb	75.5500	0.2	1645569
Mg 279.078	27628.8	ppb	50.0324	0.2	57581.1
Mn 257.610	341.978	ppb	0.2842	0.1	79024.4
Mo 202.032	1.1102	ppb	0.1282	11.6	15.7444
Na 330.237	41534.8	ppb	103.380	0.2	2138.22
Ni 231.604	5.0420	ppb	1.0576	21.0	15.8765
Pb 220.353	19.8413	ppb	1.7009	8.6	36.3149
Sb 206.834	-1.8095	ppb	1.6809	92.9	0.1626
Se 196.026	4.3579	ppb	5.9186	135.8	1.1915
Sn 189.925	0.6981	ppb	4.2327	606.3	-0.7382
Sr 216.596	264.858	ppb	1.0038	0.4	2601.38
Ti 334.941	0.0243	ppb	0.0227	93.1	31.4724
Tl 190.794	2.9818	ppb	2.1603	72.5	-0.1454
V 292.401	7.8147	ppb	0.3448	4.4	223.375
Zn 206.200	12.9007	ppb	0.5591	4.3	22.5179

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680-88559-a-12-a (Samp) **3/27/2013, 6:41:35 AM** **Rack 3, Tube 58****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1393u	-1.1607u	-1.0375u
Al 308.215	2841.81	2827.13	2830.79
As 188.980	-2.1451u	8.9875	1.8186
B 249.678	94.6857	94.3572	94.8319
Ba 389.178	12.0527	13.1982	13.2684
Be 313.042	1.4410	1.4292	1.4271
Ca 370.602	18660	18548	18484
Cd 226.502	0.3901	0.0952	-0.0227
Co 228.615	11.3542	11.0249	11.4875
Cr 267.716	0.9330	0.6824	1.0064
Cu 324.754	1.2405	1.3013	1.2477
Fe 271.441	3844.67	3839.95	3826.40
K 766.491	21868.2	21897.5	21903.8
Mg 279.078	19915.5	19777.7	19829.9
Mn 257.610	106.114	105.631	105.506
Mo 202.032	-0.2416u	0.1030	-0.4023u
Na 330.237	46997.8	46800.0	46924.0
Ni 231.604	10.1743	8.6834	8.6619
Pb 220.353	9.6601	3.5615	4.3568
Sb 206.834	-1.9687u	5.7512	-8.0553u
Se 196.026	3.8592	7.5583	-0.2513u
Sn 189.925	-0.7690u	-1.1946u	-4.1380u
Sr 216.596	174.505	175.446	173.931
Ti 334.941	-0.2208	-0.1380	-0.1168
Tl 190.794	0.8473	2.4287	-1.7278u
V 292.401	0.0619	-0.1701u	-0.1884u
Zn 206.200	15.4206	14.0459	14.3518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1125	ppb	0.0658	5.9	-151.971
Al 308.215	2833.24	ppb	7.6406	0.3	16763.5
As 188.980	2.8870	ppb	5.6427	195.5	1.4961
B 249.678	94.6249	ppb	0.2431	0.3	1085.43
Ba 389.178	12.8398	ppb	0.6825	5.3	348.075
Be 313.042	1.4324	ppb	0.0075	0.5	2600.44
Ca 370.602	18564	ppb	88.90	0.5	60893
Cd 226.502	0.1542	ppb	0.2126	137.9	26.2392
Co 228.615	11.2889	ppb	0.2381	2.1	144.395
Cr 267.716	0.8739	ppb	0.1699	19.4	42.8424
Cu 324.754	1.2632	ppb	0.0332	2.6	173.630
Fe 271.441	3837.01	ppb	9.4808	0.2	6530.51
K 766.491	21889.9	ppb	19.0254	0.1	1102858
Mg 279.078	19841.0	ppb	69.5557	0.4	41358.0
Mn 257.610	105.750	ppb	0.3212	0.3	24535.4
Mo 202.032	-0.1803	ppb	0.2582	143.2	7.8395
Na 330.237	46907.2	ppb	99.9601	0.2	2419.72
Ni 231.604	9.1732	ppb	0.8670	9.5	26.3907
Pb 220.353	5.8595	ppb	3.3154	56.6	13.1646
Sb 206.834	-1.4243	ppb	6.9193	485.8	0.2353
Se 196.026	3.7221	ppb	3.9066	105.0	0.7390
Sn 189.925	-2.0339	ppb	1.8346	90.2	-2.8787
Sr 216.596	174.627	ppb	0.7647	0.4	1712.61
Ti 334.941	-0.1585	ppb	0.0549	34.7	-52.1644
Tl 190.794	0.5161	ppb	2.0980	406.5	-1.1063
V 292.401	-0.0989	ppb	0.1396	141.1	0.9080
Zn 206.200	14.6061	ppb	0.7218	4.9	251880

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88559-c-13-a (Samp)**3/27/2013, 6:47:02 AM****Rack 3, Tube 59****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.0463u	-3.2572u	-1.8451u
Al 308.215	3182.24	3213.34	3226.26
As 188.980	7.8759	7.8688	6.3344
B 249.678	292.031	295.530	301.702
Ba 389.178	23.3176	22.3862	21.9741
Be 313.042	1.1019	1.1074	1.1052
Ca 370.602	19045	19224	19250
Cd 226.502	0.1071	0.0500	-0.1032
Co 228.615	6.3239	6.7770	6.3827
Cr 267.716	0.1958	0.2173	0.1612
Cu 324.754	-0.2329u	0.3671	-0.0744u
Fe 271.441	3313.70	3368.19	3365.59
K 766.491	13842.2	13963.0	13954.8
Mg 279.078	14950.8	15090.0	15113.2
Mn 257.610	160.972	162.663	162.907
Mo 202.032	0.4401	0.0576	-0.1520u
Na 330.237	11797.8	11727.8	11507.0
Ni 231.604	6.8784	6.0320	6.3852
Pb 220.353	-2.9543u	-1.5514u	-3.0988u
Sb 206.834	-3.7135u	5.8578	-0.5703u
Se 196.026	0.9714	-7.3941u	8.3882
Sn 189.925	5.4866	0.1469	-0.5222u
Sr 216.596	151.724	152.561	152.896
Ti 334.941	0.0207	-0.0090	-0.1012
Tl 190.794	4.8780	2.5942	1.5597
V 292.401	12.7092	12.5213	12.7467
Zn 206.200	7.5260	6.4977	6.8331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7162	ppb	0.7617	28.0	-263.459
Al 308.215	3207.28	ppb	22.6295	0.7	18941.4
As 188.980	7.3597	ppb	0.8880	12.1	4.2742
B 249.678	296.421	ppb	4.8966	1.7	2990.78
Ba 389.178	22.5593	ppb	0.6883	3.1	574.013
Be 313.042	1.1048	ppb	0.0028	0.3	1962.04
Ca 370.602	19173	ppb	111.5	0.6	62944
Cd 226.502	0.0180	ppb	0.1088	605.1	20.0715
Co 228.615	6.4945	ppb	0.2464	3.8	88.0741
Cr 267.716	0.1915	ppb	0.0283	14.8	12.4752
Cu 324.754	0.0199	ppb	0.3109	1560.7	112.104
Fe 271.441	3349.16	ppb	30.7381	0.9	5700.25
K 766.491	13920.0	ppb	67.5019	0.5	701395
Mg 279.078	15051.3	ppb	87.8169	0.6	31378.6
Mn 257.610	162.181	ppb	1.0538	0.6	37504.4
Mo 202.032	0.1152	ppb	0.3002	260.5	9.8006
Na 330.237	11677.5	ppb	151.745	1.3	601.640
Ni 231.604	6.4319	ppb	0.4251	6.6	19.2114
Pb 220.353	-2.5349	ppb	0.8547	33.7	-0.6919
Sb 206.834	0.5247	ppb	4.8787	929.9	2.0326
Se 196.026	0.6552	ppb	7.8959	1205.2	-0.7580
Sn 189.925	1.7037	ppb	3.2931	193.3	0.0148
Sr 216.596	152.394	ppb	0.6034	0.4	1495.93
Ti 334.941	-0.0298	ppb	0.0636	213.2	-35.9302
Tl 190.794	3.0106	ppb	1.6979	56.4	0.5706
V 292.401	12.6591	ppb	0.1208	1.0	360.004
Zn 206.200	6.9523	ppb	0.5244	7.5	132200

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680-88559-a-14-a (Samp) 3/27/2013, 6:52:29 AM Rack 3, Tube 60

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates	Concentration
Ag 328.068	-0.0981u	-0.0746u -0.4217u
Al 308.215	47.4347	49.6567 53.5185
As 188.980	0.2651	-5.3349u -7.5945u
B 249.678	50.6380	50.0640 49.8385
Ba 389.178	46.9810	48.0566 46.7371
Be 313.042	0.1692	0.1617 0.1567
Ca 370.602	3344	3336 3326
Cd 226.502	-0.3163u	-0.2280u -0.0175
Co 228.615	0.9613	0.4445 0.8929
Cr 267.716	0.1474	0.1694 0.1766
Cu 324.754	0.2873	0.1304 -0.0548u
Fe 271.441	2824.95	2825.21 2811.34
K 766.491	2076.79	2072.64 2050.53
Mg 279.078	3244.04	3250.24 3227.26
Mn 257.610	19.8031	19.8608 19.8186
Mo 202.032	-0.4898u	-0.6210u -0.0361u
Na 330.237	35082.5	34477.2 34878.4
Ni 231.604	1.5339	0.7411 -0.3498u
Pb 220.353	-0.9054u	-0.7826u 1.4368
Sb 206.834	-3.9462u	0.8156 0.8890
Se 196.026	-0.9975u	5.6785 11.1152
Sn 189.925	-1.7404u	1.0262 -0.6108u
Sr 216.596	42.3400	42.4175 42.6788
Ti 334.941	-0.0558u	-0.0127 -0.0395
Tl 190.794	1.7642	-1.8598u -2.6729u
V 292.401	2.6369	2.6464 2.7076
Zn 206.200	3.6302	0.7354 2.4963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1981	ppb	0.1939	97.9	-81.9600
Al 308.215	50.2033	ppb	3.0785	6.1	557.651
As 188.980	-4.2214	ppb	4.0464	95.9	-3.0218
B 249.678	50.1802	ppb	0.4122	0.8	666.805
Ba 389.178	47.2582	ppb	0.7021	1.5	1150.12
Be 313.042	0.1625	ppb	0.0062	3.8	104.992
Ca 370.602	3335	ppb	9.009	0.3	10757
Cd 226.502	-0.1872	ppb	0.1535	82.0	10.7702
Co 228.615	0.7662	ppb	0.2807	36.6	20.7937
Cr 267.716	0.1644	ppb	0.0152	9.3	11.0662
Cu 324.754	0.1210	ppb	0.1713	141.6	117.014
Fe 271.441	2820.50	ppb	7.9336	0.3	4800.36
K 766.491	2066.66	ppb	14.1173	0.7	104309
Mg 279.078	3240.51	ppb	11.8879	0.4	6776.42
Mn 257.610	19.8275	ppb	0.0299	0.2	4650.82
Mo 202.032	-0.3823	ppb	0.3069	80.3	6.5406
Na 330.237	34812.7	ppb	307.931	0.9	1795.90
Ni 231.604	0.6417	ppb	0.9458	147.4	4.0562
Pb 220.353	-0.0838	ppb	1.3182	1573.7	3.3850
Sb 206.834	-0.7472	ppb	2.7707	370.8	0.8341
Se 196.026	5.2654	ppb	6.0669	115.2	1.4708
Sn 189.925	-0.4417	ppb	1.3910	314.9	-1.6512
Sr 216.596	42.4788	ppb	0.1775	0.4	423.576
Ti 334.941	-0.0360	ppb	0.0217	60.4	-89.9211
Tl 190.794	-0.9228	ppb	2.3623	256.0	-1.9747
V 292.401	2.6636	ppb	0.0383	1.4	78.6451
Zn 206.200	2.2873	ppb	1.4587	63.8	5.9240

Cont Calib Verif (CCV) 3/27/2013, 6:57:57 AM Rack 4, Tube 1
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.548	490.655	504.063
Al 308.215	4945.04	4941.91	4981.48
As 188.980	467.368	455.400	456.100
B 249.678	2453.70	2473.76	2508.60
Ba 389.178	4914.04	4906.10	4941.61
Be 313.042	487.391	488.408	492.313
Ca 370.602	4840	4844	4897
Cd 226.502	473.476	474.131	476.948
Co 228.615	491.694	491.121	493.801
Cr 267.716	4690.25	4701.86	4750.98
Cu 324.754	4780.23	4796.74	4902.05
Fe 271.441	4928.48	4919.44	4950.63
K 766.491	10104.7	10053.1	10119.8
Mg 279.078	4816.35	4819.51	4866.49
Mn 257.610	4907.34	4907.03	4940.45
Mo 202.032	469.406	472.260	478.694
Na 330.237	7432.56	7617.87	7142.36
Ni 231.604	2425.85	2433.82	2450.14
Pb 220.353	472.908	475.907	479.193
Sb 206.834	909.033	910.650	916.066
Se 196.026	4760.34	4787.15	4824.04
Sn 189.925	4919.92	4895.23	4969.00
Sr 216.596	2361.55	2368.10	2396.41
Ti 334.941	477.788	478.714	483.910
Tl 190.794	4793.58	4799.84	4822.02
V 292.401	4897.97	4888.90	4919.04
Zn 206.200	2398.81	2413.39	2431.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.755	ppb	7.1269	1.4	34971.4	99.75101
Al 308.215	4956.15	ppb	21.9996	0.4	29101.2	99.12290
As 188.980	459.623	ppb	6.7168	1.5	283.887	91.92458
B 249.678	2478.69	ppb	27.7780	1.1	23589.3	99.14742
Ba 389.178	4920.58	ppb	18.6383	0.4	121501	98.41168
Be 313.042	489.371	ppb	2.5986	0.5	960146	97.87418
Ca 370.602	4860	ppb	31.75	0.7	15888	97.20250
Cd 226.502	474.851	ppb	1.8447	0.4	17874.0	94.97027
Co 228.615	492.205	ppb	1.4111	0.3	5803.72	98.44105
Cr 267.716	4714.36	ppb	32.2390	0.7	205789	94.28724
Cu 324.754	4826.34	ppb	66.0849	1.4	237894	96.52682
Fe 271.441	4932.85	ppb	16.0491	0.3	8513.15	98.65704
K 766.491	10092.5	ppb	34.9397	0.3	508595	100.92548
Mg 279.078	4834.12	ppb	28.0775	0.6	10018.1	96.68231
Mn 257.610	4918.27	ppb	19.2048	0.4	1132846	98.36542
Mo 202.032	473.453	ppb	4.7575	1.0	3142.45	94.69064
Na 330.237	7397.60	ppb	239.678	3.2	358.374	98.63464
Ni 231.604	2436.60	ppb	12.3807	0.5	6374.94	97.46420
Pb 220.353	476.003	ppb	3.1438	0.7	789.537	95.20055
Sb 206.834	911.916	ppb	3.6834	0.4	894.508	91.19164
Se 196.026	4790.51	ppb	31.9836	0.7	2355.61	95.81021
Sn 189.925	4928.05	ppb	37.5494	0.8	3829.22	98.56100
Sr 216.596	2375.35	ppb	18.5239	0.8	23098.3	95.01417
Ti 334.941	480.137	ppb	3.2997	0.7	127040	96.02743
Tl 190.794	4805.15	ppb	14.9456	0.3	3296.19	96.10291
V 292.401	4901.97	ppb	15.4647	0.3	137489	98.03944
Zn 206.200	2414.56	ppb	16.3652	0.7	2763.96	96.58231

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Cont Calib Blank (CCB)

3/27/2013, 7:03:24 AM

Rack 4, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3714	-0.0074u	0.2256
Al 308.215	-3.4134u	-4.7311u	-4.4137u
As 188.980	-8.5730u	3.5188	-2.7718u
B 249.678	44.4698	40.4661	35.7485
Ba 389.178	0.4573	0.3810	-1.1351u
Be 313.042	0.0042	0.0091	-0.0013u
Ca 370.602	1.433	-0.6377u	-2.743u
Cd 226.502	0.0617	0.0326	-0.0075u
Co 228.615	0.7887	0.5580	0.5811
Cr 267.716	0.2220	0.0755	0.0337
Cu 324.754	0.5060	-0.7833u	-0.7232u
Fe 271.441	4.3964	-3.0712u	-6.4940u
K 766.491	0.4185	1.3563	0.4323
Mg 279.078	-4.7800u	0.3366	4.3890
Mn 257.610	0.0639	0.0543	0.1219
Mo 202.032	1.1918	0.7677	0.1902
Na 330.237	12.5611	-163.975u	148.841
Ni 231.604	0.0928	2.3691	-0.5108u
Pb 220.353	2.4364	0.3358	-0.4434u
Sb 206.834	5.2227	3.5091	-3.8020u
Se 196.026	-1.4497u	-1.9901u	5.8569
Sn 189.925	1.6968	-0.3458u	3.0267
Sr 216.596	0.0961	-0.4599u	0.3602
Ti 334.941	0.0730	0.1202	0.1044
Tl 190.794	-0.1321u	1.8931	1.2825
V 292.401	-0.1466u	0.0129	0.0636
Zn 206.200	-0.7580u	-0.2817u	-0.0630u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1965	ppb	0.1911	97.2	-52.3724	0.19652
Al 308.215	-4.1861	ppb	0.6877	16.4	241.129	-4.18606
As 188.980	-2.6087	ppb	6.0475	231.8	-2.0238	-2.60869
B 249.678	40.2281	ppb	4.3655	10.9	575.496	40.22814
Ba 389.178	-0.0989	ppb	0.8982	907.8	-32.4665	-0.09894
Be 313.042	0.0040	ppb	0.0052	129.9	-202.909	0.00399
Ca 370.602	-0.6493	ppb	2.088	321.5	-8.369	-0.64930
Cd 226.502	0.0289	ppb	0.0347	120.0	12.1874	0.02894
Co 228.615	0.6426	ppb	0.1270	19.8	19.4043	0.64261
Cr 267.716	0.1104	ppb	0.0989	89.6	7.4754	0.11041
Cu 324.754	-0.3335	ppb	0.7277	218.2	93.8576	-0.33348
Fe 271.441	-1.7229	ppb	5.5690	323.2	0.8086	-1.72294
K 766.491	0.7357	ppb	0.5375	73.1	242.874	0.73570
Mg 279.078	-0.0182	ppb	4.5948	25315.2	25.2991	-0.01815
Mn 257.610	0.0801	ppb	0.0366	45.7	77.1608	0.08005
Mo 202.032	0.7166	ppb	0.5028	70.2	13.9662	0.71658
Na 330.237	-0.8576	ppb	156.839	18287.2	-0.0510	-0.85764
Ni 231.604	0.6504	ppb	1.5187	233.5	4.0209	0.65038
Pb 220.353	0.7763	ppb	1.4895	191.9	4.8007	0.77626
Sb 206.834	1.6433	ppb	4.7930	291.7	2.9896	1.64328
Se 196.026	0.8057	ppb	4.3828	544.0	-0.7432	0.80571
Sn 189.925	1.4592	ppb	1.6988	116.4	-0.1867	1.45924
Sr 216.596	-0.0012	ppb	0.4186	35119.2	8.3594	-0.00119
Ti 334.941	0.0992	ppb	0.0240	24.2	-65.6555	0.09921
Tl 190.794	1.0145	ppb	1.0389	102.4	-0.5264	1.01451
V 292.401	-0.0234	ppb	0.1097	469.1	3.1116	-0.02338
Zn 206.200	-0.3676	ppb	0.3554	579.6	8.17721	-0.36757

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88559-a-15-a (Samp) 3/27/2013, 7:08:52 AM Rack 4, Tube 3

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6164u	0.3031	0.5056
Al 308.215	50.1978	51.0894	49.3740
As 188.980	1.5319	-0.5493u	1.0877
B 249.678	63.2023	62.8659	63.1411
Ba 389.178	47.8633	47.7906	48.1387
Be 313.042	0.1734	0.1799	0.1718
Ca 370.602	3373	3369	3362
Cd 226.502	0.0119	-0.1923u	-0.1233
Co 228.615	1.1793	0.9542	1.1692
Cr 267.716	0.0256	0.1240	0.3846
Cu 324.754	0.0246	-0.0798u	0.1994
Fe 271.441	2890.97	2891.81	2876.09
K 766.491	2087.04	2091.59	2083.72
Mg 279.078	3283.95	3284.15	3271.33
Mn 257.610	20.1269	20.1358	20.0176
Mo 202.032	0.3615	-0.0518u	-0.0481u
Na 330.237	35434.7	35435.7	35130.4
Ni 231.604	3.0236	1.8887	1.9041
Pb 220.353	3.3275	0.3426	-1.1177u
Sb 206.834	-2.5935u	-0.9686u	2.0451
Se 196.026	9.8877	0.0675	7.7058
Sn 189.925	2.7411	0.8395	4.2713
Sr 216.596	43.6458	43.0787	42.8711
Ti 334.941	0.0745	0.0771	0.0638
Tl 190.794	-0.6868u	-0.2163u	2.6678
V 292.401	2.9722	2.9660	2.8035
Zn 206.200	1.6311	0.2082	2.4294

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0641	ppb	0.5980	932.2	-63.5239
Al 308.215	50.2204	ppb	0.8579	1.7	557.794
As 188.980	0.6901	ppb	1.0961	158.8	0.0170
B 249.678	63.0698	ppb	0.1792	0.3	788.415
Ba 389.178	47.9309	ppb	0.1836	0.4	1166.95
Be 313.042	0.1750	ppb	0.0043	2.4	129.428
Ca 370.602	3368	ppb	5.425	0.2	10859
Cd 226.502	-0.1012	ppb	0.1038	102.6	14.1703
Co 228.615	1.1009	ppb	0.1272	11.5	24.7137
Cr 267.716	0.1781	ppb	0.1855	104.2	11.6833
Cu 324.754	0.0481	ppb	0.1411	293.3	113.451
Fe 271.441	2886.29	ppb	8.8453	0.3	4912.30
K 766.491	2087.45	ppb	3.9491	0.2	105356
Mg 279.078	3279.81	ppb	7.3429	0.2	6858.29
Mn 257.610	20.0935	ppb	0.0658	0.3	4712.49
Mo 202.032	0.0872	ppb	0.2376	272.4	9.6527
Na 330.237	35333.6	ppb	175.956	0.5	1822.76
Ni 231.604	2.2721	ppb	0.6508	28.6	8.3217
Pb 220.353	0.8508	ppb	2.2658	266.3	4.9278
Sb 206.834	-0.5057	ppb	2.3537	465.4	1.0562
Se 196.026	5.8870	ppb	5.1566	87.6	1.7769
Sn 189.925	2.6173	ppb	1.7193	65.7	0.7267
Sr 216.596	43.1985	ppb	0.4010	0.9	430.584
Ti 334.941	0.0718	ppb	0.0071	9.8	-61.2545
Tl 190.794	0.5882	ppb	1.8163	308.8	-0.9393
V 292.401	2.9139	ppb	0.0957	3.3	85.6112
Zn 206.200	1.4229	ppb	1.1251	79.1	4.5721

680-88559-c-16-a (Samp) **3/27/2013, 7:14:20 AM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1148u	-1.2293u	-0.8611u
Al 308.215	2874.49	2886.20	2890.05
As 188.980	4.2888	3.3820	9.6033
B 249.678	663.578	664.618	671.127
Ba 389.178	56.3777	56.3822	56.8960
Be 313.042	0.7835	0.7813	0.7800
Ca 370.602	16894	16988	16990
Cd 226.502	-0.1169	0.0821	-0.0326
Co 228.615	2.5238	3.8884	2.6642
Cr 267.716	0.6099	0.8390	0.4640
Cu 324.754	0.7024	-0.2433u	0.0725
Fe 271.441	8580.43	8600.19	8602.11
K 766.491	27540.1	27647.3	27741.2
Mg 279.078	13687.6	13736.1	13758.8
Mn 257.610	91.6889	91.9970	92.0103
Mo 202.032	0.4553	0.0402u	-0.4717u
Na 330.237	16491.6	16346.3	16686.9
Ni 231.604	4.1664	4.1346	5.0147
Pb 220.353	15.9811	14.6903	16.2883
Sb 206.834	2.1257	-3.4996u	3.5983
Se 196.026	8.4144	11.6439	-2.0223u
Sn 189.925	4.4945	3.0371	4.9133
Sr 216.596	121.018	123.140	122.070
Ti 334.941	0.1735	0.2145	0.1541
Tl 190.794	-6.2582u	0.8658	-1.3871u
V 292.401	32.4836	32.4321	32.6585
Zn 206.200	15.4032	14.1597	15.8246

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0684	ppb	0.1884	17.6	-146.331
Al 308.215	2883.58	ppb	8.1058	0.3	17056.1
As 188.980	5.7580	ppb	3.3608	58.4	3.2106
B 249.678	666.441	ppb	4.0912	0.6	6478.79
Ba 389.178	56.5519	ppb	0.2979	0.5	1417.59
Be 313.042	0.7816	ppb	0.0018	0.2	1324.52
Ca 370.602	16957	ppb	55.23	0.3	55196
Cd 226.502	-0.0225	ppb	0.0999	444.7	31.2941
Co 228.615	3.0255	ppb	0.7506	24.8	47.1498
Cr 267.716	0.6376	ppb	0.1890	29.6	32.7047
Cu 324.754	0.1772	ppb	0.4815	271.7	121.183
Fe 271.441	8594.24	ppb	11.9980	0.1	14619.7
K 766.491	27642.9	ppb	100.599	0.4	1392653
Mg 279.078	13727.5	ppb	36.3734	0.3	28622.8
Mn 257.610	91.8987	ppb	0.1818	0.2	21324.2
Mo 202.032	0.0079	ppb	0.4643	5865.4	8.8148
Na 330.237	16508.3	ppb	170.881	1.0	849.332
Ni 231.604	4.4385	ppb	0.4992	11.2	14.1059
Pb 220.353	15.6532	ppb	0.8480	5.4	29.3374
Sb 206.834	0.7414	ppb	3.7459	505.2	2.3465
Se 196.026	6.0120	ppb	7.1429	118.8	1.8892
Sn 189.925	4.1483	ppb	0.9848	23.7	1.9156
Sr 216.596	122.076	ppb	1.0609	0.9	1202.32
Ti 334.941	0.1807	ppb	0.0308	17.1	14.3353
Tl 190.794	-2.2598	ppb	3.6413	161.1	-3.1579
V 292.401	32.5247	ppb	0.1187	0.4	918.662
Zn 206.200	15.1292	ppb	0.8656	5.7	26.0070

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88479-e-1-d (Samp) **3/27/2013, 7:19:48 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4511u	-1.4679u	-0.4676u
Al 308.215	89.2564	86.3616	85.0858
As 188.980	10.7462	-3.2445u	-0.2826
B 249.678	55.1448	55.4538	53.2243
Ba 389.178	77.4035	77.4967	77.8938
Be 313.042	-0.0487u	-0.0407u	-0.0521u
Ca 370.602	181739	181594	180693
Cd 226.502	0.2583	0.1120	0.0209
Co 228.615	0.8043	0.1927	0.4662
Cr 267.716	0.4443	0.1725	0.6361
Cu 324.754	0.7341	0.4869	0.1849
Fe 271.441	503.547	493.357	498.509
K 766.491	606.101	607.497	609.344
Mg 279.078	90888.9	90646.2	90543.1
Mn 257.610	1599.43	1596.23	1594.91
Mo 202.032	2.8331	3.1248	1.5957
Na 330.237	28259.5	28115.6	28162.8
Ni 231.604	6.1026	4.3731	4.0843
Pb 220.353	-1.2118u	-0.8384u	-1.6197u
Sb 206.834	-3.2202u	-0.7638u	-4.0770u
Se 196.026	2.5718	-0.9063u	6.6284
Sn 189.925	-2.7387u	5.2652	2.1645
Sr 216.596	211.666	209.336	209.403
Ti 334.941	2.6411	0.4549	0.6635
Tl 190.794	7.9827	5.0049	5.8961
V 292.401	-1.7432u	-1.6424u	-1.7527u
Zn 206.200	3.8967	3.2207	3.3440

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7955	ppb	0.5823	73.2	-126.202
Al 308.215	86.9013	ppb	2.1370	2.5	771.821
As 188.980	2.4063	ppb	7.3728	306.4	2.6114
B 249.678	54.6076	ppb	1.2079	2.2	710.768
Ba 389.178	77.5980	ppb	0.2604	0.3	2139.53
Be 313.042	-0.0472	ppb	0.0059	12.5	-245.414
Ca 370.602	181342	ppb	567.0	0.3	598010
Cd 226.502	0.1304	ppb	0.1198	91.8	18.2099
Co 228.615	0.4877	ppb	0.3064	62.8	17.5714
Cr 267.716	0.4176	ppb	0.2329	55.8	27.7321
Cu 324.754	0.4686	ppb	0.2751	58.7	133.594
Fe 271.441	498.471	ppb	5.0952	1.0	851.372
K 766.491	607.647	ppb	1.6269	0.3	30814.7
Mg 279.078	90692.8	ppb	177.490	0.2	188939
Mn 257.610	1596.86	ppb	2.3261	0.1	368346
Mo 202.032	2.5178	ppb	0.8118	32.2	25.8996
Na 330.237	28179.3	ppb	73.3413	0.3	1454.19
Ni 231.604	4.8533	ppb	1.0915	22.5	15.0233
Pb 220.353	-1.2233	ppb	0.3908	31.9	1.8348
Sb 206.834	-2.6870	ppb	1.7197	64.0	-1.0617
Se 196.026	2.7647	ppb	3.7710	136.4	0.6143
Sn 189.925	1.5636	ppb	4.0356	258.1	-0.0247
Sr 216.596	210.135	ppb	1.3265	0.6	2072.30
Ti 334.941	1.2532	ppb	1.2065	96.3	624.985
Tl 190.794	6.2946	ppb	1.5284	24.3	1.4783
V 292.401	-1.7128	ppb	0.0611	3.6	-43.8733
Zn 206.200	3.4871	ppb	0.3690	10.3	7.7999

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680-88479-e-2-b (Samp) 3/27/2013, 7:25:16 AM Rack 4, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7827u	-0.5524u	-0.1729u
Al 308.215	5.6384	7.2640	4.2589
As 188.980	0.4885	-7.6789u	-4.1747u
B 249.678	53.9609	54.2272	53.4076
Ba 389.178	35.0213	35.7814	33.2645
Be 313.042	-0.0273u	-0.0215u	-0.0331u
Ca 370.602	95116	94970	94859
Cd 226.502	-0.0482u	-0.0988u	-0.1469u
Co 228.615	0.7581	0.4529	0.7261
Cr 267.716	0.1832	0.3187	0.2474
Cu 324.754	1.2101	1.1128	0.7981
Fe 271.441	212.014	213.041	212.465
K 766.491	522.570	523.400	524.642
Mg 279.078	36816.8	36747.1	36734.2
Mn 257.610	778.931	778.371	778.418
Mo 202.032	1.1648	0.4832	0.3360
Na 330.237	29303.2	29438.5	29241.1
Ni 231.604	4.7201	5.8263	5.3047
Pb 220.353	3.6125	0.1535	0.8241
Sb 206.834	0.5481	-1.3498u	-4.3226u
Se 196.026	7.3045	-1.6497u	-1.9690u
Sn 189.925	1.1708	3.1214	1.3396
Sr 216.596	116.591	116.423	116.548
Ti 334.941	-0.2706	-0.2244	-0.2260
Tl 190.794	2.3720	-0.2788u	-4.2880u
V 292.401	-0.5977u	-1.3529u	-0.9666u
Zn 206.200	3.0528	1.7841	1.9871

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5026	ppb	0.3079	61.3	-104.096
Al 308.215	5.7204	ppb	1.5042	26.3	298.858
As 188.980	-3.7884	ppb	4.0974	108.2	-1.9475
B 249.678	53.8652	ppb	0.4181	0.8	704.029
Ba 389.178	34.6891	ppb	1.2909	3.7	929.387
Be 313.042	-0.0273	ppb	0.0058	21.2	-235.106
Ca 370.602	94982	ppb	128.8	0.1	313220
Cd 226.502	-0.0980	ppb	0.0494	50.4	8.2345
Co 228.615	0.6457	ppb	0.1677	26.0	19.4326
Cr 267.716	0.2498	ppb	0.0678	27.1	17.1466
Cu 324.754	1.0403	ppb	0.2154	20.7	161.629
Fe 271.441	212.507	ppb	0.5150	0.2	365.080
K 766.491	523.537	ppb	1.0428	0.2	26577.8
Mg 279.078	36766.0	ppb	44.4197	0.1	76607.2
Mn 257.610	778.573	ppb	0.3106	0.0	179582
Mo 202.032	0.6613	ppb	0.4422	66.9	13.5915
Na 330.237	29327.6	ppb	100.924	0.3	1513.58
Ni 231.604	5.2837	ppb	0.5534	10.5	16.1428
Pb 220.353	1.5300	ppb	1.8343	119.9	6.2117
Sb 206.834	-1.7081	ppb	2.4550	143.7	-0.1342
Se 196.026	1.2286	ppb	5.2643	428.5	-0.3433
Sn 189.925	1.8773	ppb	1.0807	57.6	0.1857
Sr 216.596	116.521	ppb	0.0870	0.1	1152.31
Ti 334.941	-0.2403	ppb	0.0262	10.9	-0.6132
Tl 190.794	-0.7316	ppb	3.3530	458.3	-2.5152
V 292.401	-0.9724	ppb	0.3776	38.8	-23.4087
Zn 206.200	2.2747	ppb	0.6815	30.0	5.9042

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680-88479-e-3-b (Samp) 3/27/2013, 7:30:44 AM Rack 4, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7824u	0.2253	-0.5261u
Al 308.215	4.8706	6.3819	3.9147
As 188.980	-1.2500u	-0.7829	-2.6506u
B 249.678	53.1077	53.0309	53.6710
Ba 389.178	29.2503	29.3465	29.4847
Be 313.042	0.0007	-0.0068	-0.0050
Ca 370.602	75481	75146	74964
Cd 226.502	0.0508	0.1483	0.1626
Co 228.615	-0.0346u	-0.1058u	0.2483
Cr 267.716	0.3496	0.4352	-0.0086u
Cu 324.754	3.0685	2.6804	2.1759
Fe 271.441	27.5407	29.7759	28.1581
K 766.491	2473.82	2473.55	2467.25
Mg 279.078	14380.0	14333.1	14335.9
Mn 257.610	47.0189	46.9432	47.0299
Mo 202.032	12.4306	12.6916	12.3595
Na 330.237	2022.04	2248.82	2426.35
Ni 231.604	-0.6619u	2.9352	2.3491
Pb 220.353	-1.8305u	-0.7725u	-0.3411u
Sb 206.834	4.2669	-1.4883u	0.2859
Se 196.026	4.4460	7.8568	8.1485
Sn 189.925	-0.3249u	1.2708	-1.4826u
Sr 216.596	131.162	130.538	130.978
Ti 334.941	0.0299	0.1369	0.1342
Tl 190.794	12.5580	-5.1497u	6.4193
V 292.401	-1.0930u	-1.0082u	-0.8170u
Zn 206.200	58.1504	55.5011	54.3625

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3611	ppb	0.5237	145.0	-97.5625
Al 308.215	5.0557	ppb	1.2440	24.6	296.578
As 188.980	-1.5612	ppb	0.9719	62.3	-0.7379
B 249.678	53.2699	ppb	0.3495	0.7	698.589
Ba 389.178	29.3605	ppb	0.1178	0.4	735.101
Be 313.042	-0.0037	ppb	0.0039	106.2	-193.472
Ca 370.602	75197	ppb	262.0	0.3	247971
Cd 226.502	0.1206	ppb	0.0608	50.5	15.8586
Co 228.615	0.0360	ppb	0.1873	520.7	11.8717
Cr 267.716	0.2587	ppb	0.2354	91.0	14.1830
Cu 324.754	2.6416	ppb	0.4476	16.9	240.798
Fe 271.441	28.4916	ppb	1.1543	4.1	52.1214
K 766.491	2471.54	ppb	3.7180	0.2	124704
Mg 279.078	14349.7	ppb	26.3222	0.2	29919.1
Mn 257.610	46.9974	ppb	0.0472	0.1	10964.0
Mo 202.032	12.4939	ppb	0.1749	1.4	92.1227
Na 330.237	2232.40	ppb	202.653	9.1	114.783
Ni 231.604	1.5408	ppb	1.9300	125.3	6.3501
Pb 220.353	-0.9814	ppb	0.7663	78.1	1.8921
Sb 206.834	1.0215	ppb	2.9473	288.5	2.2582
Se 196.026	6.8171	ppb	2.0586	30.2	2.2243
Sn 189.925	-0.1789	ppb	1.3825	772.9	-1.4294
Sr 216.596	130.893	ppb	0.3209	0.2	1290.11
Ti 334.941	0.1003	ppb	0.0611	60.8	-4.1437
Tl 190.794	4.6092	ppb	8.9916	195.1	1.8906
V 292.401	-0.9728	ppb	0.1414	14.5	-25.8519
Zn 206.200	56.0047	ppb	1.9435	3.5	89.9364

680-88479-e-4-b (Samp)

3/27/2013, 7:36:12 AM

Rack 4, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4631	-0.5266u	0.2404
Al 308.215	136.147	134.760	141.079
As 188.980	-1.4549u	4.7574	-5.0665u
B 249.678	2.7549	2.4129	2.6741
Ba 389.178	12.0814	11.6946	13.4623
Be 313.042	-0.0219u	-0.0228u	-0.0121u
Ca 370.602	27162	27134	27244
Cd 226.502	0.2062	0.1409	0.3504
Co 228.615	0.0382	0.5380	0.4417
Cr 267.716	0.2852	0.1310	0.4214
Cu 324.754	30.2896	30.4220	28.3160
Fe 271.441	243.353	239.798	242.126
K 766.491	781.146	778.216	776.626
Mg 279.078	3754.84	3750.15	3762.75
Mn 257.610	10.6271	10.5896	10.5853
Mo 202.032	8.4864	7.9880	7.4283
Na 330.237	542.740	551.737	434.094
Ni 231.604	1.2015	2.4895	1.4779
Pb 220.353	-1.0768u	-2.2970u	2.1396
Sb 206.834	1.6963	-0.5170u	-1.1395u
Se 196.026	0.7468	9.3470	10.5814
Sn 189.925	0.9289	3.1750	-0.4887u
Sr 216.596	36.5540	36.3191	36.9169
Ti 334.941	3.5085	3.5299	3.5278
Tl 190.794	-4.0938u	0.5545	-4.4829u
V 292.401	0.2563	-0.6698u	0.0030u
Zn 206.200	61.5504	62.9463	62.6451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0590	ppb	0.5192	880.5	-63.7307
Al 308.215	137.329	ppb	3.3214	2.4	1066.13
As 188.980	-0.5880	ppb	4.9690	845.1	-0.5460
B 249.678	2.6139	ppb	0.1788	6.8	220.203
Ba 389.178	12.4127	ppb	0.9293	7.5	287.336
Be 313.042	-0.0189	ppb	0.0059	31.2	-239.338
Ca 370.602	27180	ppb	57.35	0.2	89606
Cd 226.502	0.2325	ppb	0.1072	46.1	20.4700
Co 228.615	0.3393	ppb	0.2652	78.2	15.6857
Cr 267.716	0.2792	ppb	0.1453	52.0	14.9511
Cu 324.754	29.6759	ppb	1.1795	4.0	1572.83
Fe 271.441	241.759	ppb	1.8061	0.7	414.785
K 766.491	778.663	ppb	2.2930	0.3	39429.2
Mg 279.078	3755.92	ppb	6.3687	0.2	7849.81
Mn 257.610	10.6007	ppb	0.0230	0.2	2522.15
Mo 202.032	7.9676	ppb	0.5294	6.6	62.0742
Na 330.237	509.524	ppb	65.4787	12.9	25.7218
Ni 231.604	1.7230	ppb	0.6781	39.4	6.8312
Pb 220.353	-0.4114	ppb	2.2919	557.1	2.8279
Sb 206.834	0.0133	ppb	1.4904	11224.2	1.3849
Se 196.026	6.8917	ppb	5.3573	77.7	2.2533
Sn 189.925	1.2051	ppb	1.8474	153.3	-0.3733
Sr 216.596	36.5967	ppb	0.3012	0.8	367.258
Ti 334.941	3.5221	ppb	0.0118	0.3	856.544
Tl 190.794	-2.6741	ppb	2.8028	104.8	-3.0817
V 292.401	-0.1368	ppb	0.4786	349.8	-1.4116
Zn 206.200	62.3806	ppb	0.7346	583.2	99.9082

680-88479-e-5-b (Samp) 3/27/2013, 7:41:40 AM Rack 4, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7308u	-0.1384u	-1.1186u
Al 308.215	53.8482	54.9846	55.8982
As 188.980	21.4823	17.7132	23.6161
B 249.678	41.7761	40.4820	41.9207
Ba 389.178	16.8986	17.3535	17.5091
Be 313.042	-0.0243u	-0.0196u	-0.0162u
Ca 370.602	42110	42253	42274
Cd 226.502	0.0185	-0.1637	-0.2315
Co 228.615	0.2598	-0.0321u	0.9485
Cr 267.716	0.1131	0.1442	0.3594
Cu 324.754	4.8667	4.7215	4.1072
Fe 271.441	3718.31	3701.74	3697.90
K 766.491	488.141	486.618	485.539
Mg 279.078	13408.5	13411.0	13429.6
Mn 257.610	1238.56	1239.21	1239.02
Mo 202.032	17.0640	17.1395	17.4838
Na 330.237	12277.2	12006.2	12305.7
Ni 231.604	2.8493	4.8501	2.1790
Pb 220.353	-1.1642u	-0.8441u	1.6693
Sb 206.834	-3.7093u	4.6126	0.5617
Se 196.026	-2.8878u	0.5807	7.9248
Sn 189.925	-1.4985u	2.8161	-1.5269u
Sr 216.596	73.3225	72.7789	73.6080
Ti 334.941	0.8214	0.8317	0.8291
Tl 190.794	2.9228	7.0560	1.7689u
V 292.401	-0.6975u	-0.8809u	-0.8780u
Zn 206.200	9.0299	8.7051	8.9546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6626	ppb	0.4936	74.5	-111.057
Al 308.215	54.9103	ppb	1.0270	1.9	587.525
As 188.980	20.9372	ppb	2.9890	14.3	12.8638
B 249.678	41.3929	ppb	0.7922	1.9	583.020
Ba 389.178	17.2537	ppb	0.3173	1.8	439.024
Be 313.042	-0.0200	ppb	0.0041	20.4	-239.896
Ca 370.602	42212	ppb	89.05	0.2	138922
Cd 226.502	-0.1255	ppb	0.1293	103.0	15.5147
Co 228.615	0.3921	ppb	0.5035	128.4	15.7843
Cr 267.716	0.2056	ppb	0.1341	65.3	17.4798
Cu 324.754	4.5651	ppb	0.4031	8.8	336.778
Fe 271.441	3705.98	ppb	10.8437	0.3	6306.06
K 766.491	486.766	ppb	1.3073	0.3	24725.5
Mg 279.078	13416.4	ppb	11.5443	0.1	27956.6
Mn 257.610	1238.93	ppb	0.3356	0.0	285487
Mo 202.032	17.2291	ppb	0.2238	1.3	123.378
Na 330.237	12196.4	ppb	165.294	1.4	628.291
Ni 231.604	3.2928	ppb	1.3897	42.2	11.0079
Pb 220.353	-0.1130	ppb	1.5518	1373.0	3.5733
Sb 206.834	0.4883	ppb	4.1614	852.2	1.7769
Se 196.026	1.8726	ppb	5.5209	294.8	0.1061
Sn 189.925	-0.0698	ppb	2.4993	3582.4	-1.3545
Sr 216.596	73.2365	ppb	0.4212	0.6	726.512
Ti 334.941	0.8274	ppb	0.0053	0.6	183.846
Tl 190.794	3.9159	ppb	2.7799	71.0	0.0887
V 292.401	-0.8188	ppb	0.1051	12.8	-22.5602
Zn 206.200	8.8965	ppb	0.1700	1.9	162.607

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

mb 680-270031/1-b (Samp) 3/27/2013, 7:47:07 AM Rack 4, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3586	0.3732	-0.5933u
Al 308.215	-6.3649u	-2.4790u	-4.0964u
As 188.980	-2.4791u	2.4116	-7.3764u
B 249.678	-11.1854u	-11.0892u	-9.9450u
Ba 389.178	1.0726	-0.4972u	1.1786
Be 313.042	-0.0056u	-0.0073u	-0.0200u
Ca 370.602	5.331	4.201	1.835
Cd 226.502	-0.0986u	0.0244	0.0523
Co 228.615	-0.3926u	0.4576	-0.3437u
Cr 267.716	0.1508	0.0114	-0.0768u
Cu 324.754	0.6309	0.2624	0.0663
Fe 271.441	-4.3721u	4.4027	4.2490
K 766.491	1.4026	1.5650	1.1338
Mg 279.078	0.1395	5.6390	-2.1866u
Mn 257.610	0.4507	0.4694	0.4312
Mo 202.032	0.1935	-0.7414u	0.3136
Na 330.237	-218.242u	100.517	188.882
Ni 231.604	-0.5078u	-0.4244u	-0.8000u
Pb 220.353	-1.2729u	1.9218	-0.3677u
Sb 206.834	-5.8298u	0.0453	1.3963
Se 196.026	7.5858	-10.0875u	8.7337
Sn 189.925	1.7506	0.9941	-0.4775u
Sr 216.596	-0.4973u	-0.0617u	0.0927
Ti 334.941	-0.0578u	0.0372	0.0008
Tl 190.794	2.4452	-7.1665u	-8.1942u
V 292.401	-0.5134u	-0.7378u	-0.2120u
Zn 206.200	-0.6154u	-1.0111u	-0.3988u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0462	ppb	0.5538	1199.6	-62.9621
Al 308.215	-4.3134	ppb	1.9520	45.3	240.331
As 188.980	-2.4813	ppb	4.8940	197.2	-1.9448
B 249.678	-10.7399	ppb	0.6901	6.4	94.3694
Ba 389.178	0.5847	ppb	0.9384	160.5	-15.5850
Be 313.042	-0.0110	ppb	0.0079	71.6	-232.176
Ca 370.602	3.789	ppb	1.784	47.1	6.211
Cd 226.502	-0.0073	ppb	0.0803	1095.3	10.8248
Co 228.615	-0.0929	ppb	0.4774	513.9	10.7744
Cr 267.716	0.0285	ppb	0.1148	403.3	3.9031
Cu 324.754	0.3199	ppb	0.2867	89.6	126.044
Fe 271.441	1.4265	ppb	5.0223	352.1	6.0409
K 766.491	1.3671	ppb	0.2178	15.9	274.681
Mg 279.078	1.1973	ppb	4.0186	335.6	27.8253
Mn 257.610	0.4504	ppb	0.0191	4.2	162.478
Mo 202.032	-0.0781	ppb	0.5775	739.6	8.6934
Na 330.237	23.7190	ppb	214.152	902.9	1.2256
Ni 231.604	-0.5774	ppb	0.1973	34.2	0.8098
Pb 220.353	0.0937	ppb	1.6466	1756.6	3.6745
Sb 206.834	-1.4628	ppb	3.8418	262.6	0.0968
Se 196.026	2.0773	ppb	10.5507	507.9	-0.1179
Sn 189.925	0.7557	ppb	1.1330	149.9	-0.7335
Sr 216.596	-0.1554	ppb	0.3060	196.9	6.8907
Ti 334.941	-0.0066	ppb	0.0480	723.5	-93.6691
Tl 190.794	-4.3052	ppb	5.8685	136.3	-4.1813
V 292.401	-0.4877	ppb	0.2638	54.1	-9.8465
Zn 206.200	-0.6751	ppb	0.3105	46.0	-1.2915

ics 680-270031/2-b (Samp) 3/27/2013, 7:52:35 AM Rack 4, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	34.3702	34.9814	34.8334
Al 308.215	4828.49	4867.91	4860.47
As 188.980	92.6873	101.264	104.581
B 249.678	182.728	186.510	188.010
Ba 389.178	99.6762	101.243	100.162
Be 313.042	50.2059	50.7184	50.6762
Ca 370.602	4729	4776	4768
Cd 226.502	48.9035	49.1885	49.2872
Co 228.615	50.8521	49.6873	50.7390
Cr 267.716	95.6097	96.0979	96.4789
Cu 324.754	99.3695	99.7018	98.5737
Fe 271.441	4926.39	4969.18	4951.28
K 766.491	5003.67	5057.03	5059.45
Mg 279.078	4855.91	4886.72	4886.55
Mn 257.610	501.981	505.801	505.184
Mo 202.032	94.8044	97.1576	96.8738
Na 330.237	4754.88	5055.71	4798.90
Ni 231.604	98.0857	98.6641	97.2722
Pb 220.353	52.1342	48.6379	46.2861
Sb 206.834	45.7824	49.3797	53.1127
Se 196.026	101.097	101.675	99.1107
Sn 189.925	201.135	198.434	201.162
Sr 216.596	96.2526	97.3565	97.3523
Ti 334.941	95.3964	96.3393	96.4217
Tl 190.794	32.6363	43.3461	43.1403
V 292.401	99.4303	100.056	99.8920
Zn 206.200	94.9282	96.7256	95.8963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.7283	ppb	0.3189	0.9	2375.64
Al 308.215	4852.29	ppb	20.9457	0.4	28531.9
As 188.980	99.5108	ppb	6.1377	6.2	61.1361
B 249.678	185.750	ppb	2.7221	1.5	1944.55
Ba 389.178	100.360	ppb	0.8018	0.8	2469.79
Be 313.042	50.5335	ppb	0.2845	0.6	98966.5
Ca 370.602	4758	ppb	24.94	0.5	15302
Cd 226.502	49.1264	ppb	0.1992	0.4	1869.99
Co 228.615	50.4261	ppb	0.6424	1.3	603.664
Cr 267.716	96.0622	ppb	0.4357	0.5	4198.41
Cu 324.754	99.2150	ppb	0.5797	0.6	5002.18
Fe 271.441	4948.95	ppb	21.4901	0.4	8428.52
K 766.491	5040.05	ppb	31.5327	0.6	254087
Mg 279.078	4876.39	ppb	17.7410	0.4	10175.7
Mn 257.610	504.322	ppb	2.0508	0.4	116252
Mo 202.032	96.2786	ppb	1.2846	1.3	647.731
Na 330.237	4869.83	ppb	162.475	3.3	248.354
Ni 231.604	98.0073	ppb	0.6993	0.7	258.745
Pb 220.353	49.0194	ppb	2.9426	6.0	84.2963
Sb 206.834	49.4249	ppb	3.6654	7.4	47.7402
Se 196.026	100.628	ppb	1.3451	1.3	48.4919
Sn 189.925	200.244	ppb	1.5675	0.8	154.330
Sr 216.596	96.9872	ppb	0.6361	0.7	950.826
Ti 334.941	96.0525	ppb	0.5696	0.6	25358.2
Tl 190.794	39.7076	ppb	6.1248	15.4	25.3963
V 292.401	99.7927	ppb	0.3244	0.3	2786.60
Zn 206.200	95.8501	ppb	0.8996	0.9	151.954

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ics 680-270031/3-b (Samp) 3/27/2013, 7:58:14 AM Rack 4, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	207.388	210.834	208.810
Al 308.215	1940.67	1922.84	1928.64
As 188.980	209.578	205.236	211.868
B 249.678	388.167	387.900	390.010
Ba 389.178	197.096	195.588	195.883
Be 313.042	202.703	201.073	201.342
Ca 370.602	19349	19192	19194
Cd 226.502	192.261	191.222	192.102
Co 228.615	200.293	196.499	197.922
Cr 267.716	191.162	188.833	189.340
Cu 324.754	196.520	197.340	199.598
Fe 271.441	22420.7	22214.3	22283.1
K 766.491	20333.6	20173.1	20278.3
Mg 279.078	19727.4	19533.6	19566.5
Mn 257.610	2026.26	2010.13	2013.02
Mo 202.032	192.280	190.997	192.192
Na 330.237	17618.4	17759.7	17699.2
Ni 231.604	196.636	195.101	195.735
Pb 220.353	193.706	191.758	192.190
Sb 206.834	186.531	183.590	185.000
Se 196.026	202.581	203.620	208.608
Sn 189.925	198.084	200.139	198.540
Sr 216.596	204.419	202.102	203.568
Ti 334.941	193.038	191.772	192.160
Tl 190.794	43.1570	48.7661	49.0237
V 292.401	199.343	198.448	198.569
Zn 206.200	184.891	185.625	185.929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	209.010	ppb	1.7318	0.8	14640.0
Al 308.215	1930.71	ppb	9.0952	0.5	11530.6
As 188.980	208.894	ppb	3.3686	1.6	128.748
B 249.678	388.692	ppb	1.1490	0.3	3844.00
Ba 389.178	196.189	ppb	0.7993	0.4	4903.90
Be 313.042	201.706	ppb	0.8737	0.4	395695
Ca 370.602	19245	ppb	90.15	0.5	61681
Cd 226.502	191.862	ppb	0.5594	0.3	7278.25
Co 228.615	198.238	ppb	1.9166	1.0	2339.37
Cr 267.716	189.778	ppb	1.2244	0.6	8297.62
Cu 324.754	197.819	ppb	1.5940	0.8	9867.60
Fe 271.441	22306.0	ppb	105.091	0.5	37969.6
K 766.491	20261.7	ppb	81.5719	0.4	1020842
Mg 279.078	19609.2	ppb	103.704	0.5	40848.4
Mn 257.610	2016.47	ppb	8.5999	0.4	464649
Mo 202.032	191.823	ppb	0.7164	0.4	1280.81
Na 330.237	17692.4	ppb	70.9020	0.4	903.500
Ni 231.604	195.824	ppb	0.7714	0.4	514.923
Pb 220.353	192.551	ppb	1.0229	0.5	321.484
Sb 206.834	185.040	ppb	1.4709	0.8	175.367
Se 196.026	204.937	ppb	3.2217	1.6	100.252
Sn 189.925	198.921	ppb	1.0789	0.5	153.312
Sr 216.596	203.363	ppb	1.1719	0.6	1990.22
Ti 334.941	192.323	ppb	0.6484	0.3	50908.4
Tl 190.794	46.9823	ppb	3.3153	7.1	28.3243
V 292.401	198.787	ppb	0.4855	0.2	5547.16
Zn 206.200	185.482	ppb	0.5339	0.3	201.841

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Verif (CCV) 3/27/2013, 8:03:43 AM Rack 4, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	496.838	492.401	497.699
Al 308.215	4924.18	4962.71	4946.41
As 188.980	462.104	460.599	469.613
B 249.678	2460.62	2488.83	2510.46
Ba 389.178	4903.54	4936.44	4920.50
Be 313.042	486.594	489.724	487.512
Ca 370.602	4833	4857	4835
Cd 226.502	473.455	476.008	474.949
Co 228.615	491.215	493.214	494.638
Cr 267.716	4662.19	4682.98	4656.37
Cu 324.754	4849.66	4789.83	4781.99
Fe 271.441	4895.42	4951.10	4933.75
K 766.491	10111.0	10198.5	10192.0
Mg 279.078	4831.96	4839.80	4834.09
Mn 257.610	4890.79	4918.27	4913.00
Mo 202.032	469.742	470.283	472.090
Na 330.237	7557.88	7271.37	7226.33
Ni 231.604	2422.41	2443.73	2427.32
Pb 220.353	477.479	472.060	470.621
Sb 206.834	910.701	915.580	915.220
Se 196.026	4809.10	4800.45	4800.43
Sn 189.925	4905.57	4952.57	4912.35
Sr 216.596	2352.26	2359.58	2346.59
Ti 334.941	475.055	477.671	475.534
Tl 190.794	4771.69	4798.92	4815.22
V 292.401	4883.88	4923.49	4920.47
Zn 206.200	2412.49	2419.45	2417.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.646	ppb	2.8433	0.6	34752.1	99.12919
Al 308.215	4944.43	ppb	19.3411	0.4	29032.9	98.88869
As 188.980	464.105	ppb	4.8288	1.0	286.661	92.82107
B 249.678	2486.64	ppb	24.9950	1.0	23664.4	99.46541
Ba 389.178	4920.16	ppb	16.4538	0.3	121491	98.40314
Be 313.042	487.943	ppb	1.6092	0.3	957343	97.58867
Ca 370.602	4841	ppb	13.17	0.3	15826	96.82695
Cd 226.502	474.804	ppb	1.2829	0.3	17872.2	94.96078
Co 228.615	493.022	ppb	1.7194	0.3	5813.28	98.60450
Cr 267.716	4667.18	ppb	13.9863	0.3	203729	93.34364
Cu 324.754	4807.16	ppb	37.0130	0.8	236949	96.14324
Fe 271.441	4926.76	ppb	28.4948	0.6	8502.45	98.53516
K 766.491	10167.2	ppb	48.7417	0.5	512354	101.67159
Mg 279.078	4835.28	ppb	4.0584	0.1	10020.7	96.70566
Mn 257.610	4907.36	ppb	14.5872	0.3	1130332	98.14713
Mo 202.032	470.705	ppb	1.2294	0.3	3124.19	94.14098
Na 330.237	7351.86	ppb	179.835	2.4	355.962	98.02479
Ni 231.604	2431.15	ppb	11.1668	0.5	6360.68	97.24616
Pb 220.353	473.387	ppb	3.6164	0.8	785.213	94.67735
Sb 206.834	913.833	ppb	2.7192	0.3	896.153	91.38335
Se 196.026	4803.33	ppb	5.0036	0.1	2361.91	96.06652
Sn 189.925	4923.50	ppb	25.4042	0.5	3825.68	98.46996
Sr 216.596	2352.81	ppb	6.5130	0.3	22878.7	94.11234
Ti 334.941	476.087	ppb	1.3925	0.3	125968	95.21732
Tl 190.794	4795.28	ppb	21.9969	0.5	3289.43	95.90555
V 292.401	4909.28	ppb	22.0514	0.4	137695	98.18558
Zn 206.200	2416.41	ppb	3.5699	0.1	2766.90	96.65633

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Blank (CCB) 3/27/2013, 8:09:10 AM Rack 4, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6595	-0.3459u	-0.1186u
Al 308.215	-4.0719u	-3.8436u	-2.8373u
As 188.980	-0.2400u	2.5429	4.3170
B 249.678	47.0814	42.4681	38.5286
Ba 389.178	0.0593	0.4419	1.3074
Be 313.042	-0.0029u	-0.0177u	0.0040
Ca 370.602	1.965	-1.075u	-1.214u
Cd 226.502	-0.0011u	0.0032	-0.2178u
Co 228.615	-1.1247u	-1.1022u	0.5430
Cr 267.716	0.0202	-0.0691u	0.1232
Cu 324.754	-0.5368u	-0.8346u	-0.3132u
Fe 271.441	2.4652	1.8553	1.9516
K 766.491	-0.1979u	0.4459	-0.0423u
Mg 279.078	1.3894	-1.7962u	-0.4700u
Mn 257.610	0.0547	0.0449	0.0228
Mo 202.032	1.0091	0.5319	0.6224
Na 330.237	248.903	-131.943u	-160.276u
Ni 231.604	0.0475	-0.1080u	0.7725
Pb 220.353	-1.1202u	-3.6276u	0.6694
Sb 206.834	4.0439	-3.3567u	6.4955
Se 196.026	6.9524	-2.0762u	-0.2777u
Sn 189.925	4.1513	2.7836	0.2771
Sr 216.596	-0.2927u	-0.1895u	0.6789
Ti 334.941	0.0946	0.1093	0.0862
Tl 190.794	-1.0356u	-2.5349u	0.1815
V 292.401	0.0661	-0.2578u	0.0262
Zn 206.200	-1.4507u	-0.9558u	0.3794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0650	ppb	0.5272	810.9	-61.6310	0.06502
Al 308.215	-3.5843	ppb	0.6569	18.3	244.608	-3.58427
As 188.980	2.2066	ppb	2.2970	104.1	0.9561	2.20664
B 249.678	42.6927	ppb	4.2808	10.0	598.758	42.69268
Ba 389.178	0.6029	ppb	0.6394	106.1	-15.1346	0.60288
Be 313.042	-0.0056	ppb	0.0111	199.0	-221.624	-0.00556
Ca 370.602	-0.1080	ppb	1.797	1663.8	-6.798	-0.10798
Cd 226.502	-0.0719	ppb	0.1264	175.7	8.4018	-0.07191
Co 228.615	-0.5613	ppb	0.9564	170.4	5.2661	-0.56131
Cr 267.716	0.0248	ppb	0.0962	388.6	3.7386	0.02477
Cu 324.754	-0.5615	ppb	0.2616	46.6	82.6170	-0.56152
Fe 271.441	2.0907	ppb	0.3279	15.7	7.1802	2.09069
K 766.491	0.0686	ppb	0.3359	490.0	209.268	0.06856
Mg 279.078	-0.2923	ppb	1.6002	547.5	24.7289	-0.29226
Mn 257.610	0.0408	ppb	0.0163	40.0	68.1215	0.04077
Mo 202.032	0.7211	ppb	0.2534	35.1	13.9964	0.72113
Na 330.237	-14.4388	ppb	228.500	1582.5	-0.7476	-14.43880
Ni 231.604	0.2373	ppb	0.4700	198.0	2.9407	0.23734
Pb 220.353	-1.3595	ppb	2.1585	158.8	1.2740	-1.35947
Sb 206.834	2.3942	ppb	5.1291	214.2	3.6908	2.39422
Se 196.026	1.5328	ppb	4.7788	311.8	-0.3857	1.53284
Sn 189.925	2.4040	ppb	1.9648	81.7	0.5477	2.40399
Sr 216.596	0.0656	ppb	0.5337	813.9	9.0297	0.06557
Ti 334.941	0.0967	ppb	0.0117	12.1	-66.3310	0.09667
Tl 190.794	-1.1297	ppb	1.3606	120.4	-1.9996	-1.12967
V 292.401	-0.0552	ppb	0.1766	320.1	2.2650	-0.05516
Zn 206.200	-0.6757	ppb	0.9457	140.1	1.2907	-0.67568

680-88313-a-1-b (Samp) 3/27/2013, 8:14:38 AM Rack 4, Tube 15
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2740u	-0.7009u	-0.4558u
Al 308.215	0.7777	-0.7171u	4.2648
As 188.980	2.6148	6.5830	9.8478
B 249.678	403.778	410.605	410.933
Ba 389.178	18.6594	18.6115	18.3718
Be 313.042	-0.0480u	-0.0453u	-0.0549u
Ca 370.602	181047	181492	181360
Cd 226.502	0.2161	-0.1093u	0.0531
Co 228.615	0.9204	0.3284	1.4393
Cr 267.716	17.2707	16.8638	17.3594
Cu 324.754	0.7828	0.5034	0.8636
Fe 271.441	246.332	255.114	244.348
K 766.491	19005.0	19000.1	18887.1
Mg 279.078	13176.2	13232.7	13216.0
Mn 257.610	1138.58	1143.11	1140.96
Mo 202.032	1.0107	1.0737	1.7639
Na 330.237	165015x	165399x	162906x
Ni 231.604	3.9586	5.1316	3.8868
Pb 220.353	-0.9902u	-0.7998u	-1.0720u
Sb 206.834	2.5646	2.2618	0.3978
Se 196.026	-0.5035	5.4512	8.3057
Sn 189.925	6.1756	9.9086	6.2411
Sr 216.596	805.299	810.283	807.971
Ti 334.941	2.4461	2.3759	2.2565
Tl 190.794	3.3868	3.0522	4.0969
V 292.401	15.4735	15.6493	15.3904
Zn 206.200	12.5003	13.5862	11.8497

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4769b	ppb	0.2143	44.9	-130.971
Al 308.215	1.4418b	ppb	2.5565	177.3	273.681
As 188.980	6.3485b	ppb	3.6222	57.1	5.0560
B 249.678	408.439b	ppb	4.0394	1.0	4051.12
Ba 389.178	18.5476b	ppb	0.1541	0.8	465.159
Be 313.042	-0.0494b	ppb	0.0050	10.1	-264.578
Ca 370.602	181300b	ppb	228.8	0.1	597878
Cd 226.502	0.0533b	ppb	0.1627	305.4	12.9205
Co 228.615	0.8960b	ppb	0.5559	62.0	22.4891
Cr 267.716	17.1646b	ppb	0.2643	1.5	759.096
Cu 324.754	0.7166b	ppb	0.1890	26.4	145.531
Fe 271.441	248.598b	ppb	5.7292	2.3	426.584
K 766.491	18964.1b	ppb	66.6708	0.4	955479
Mg 279.078	13208.3b	ppb	29.0135	0.2	27524.0
Mn 257.610	1140.88b	ppb	2.2644	0.2	262896
Mo 202.032	1.2828b	ppb	0.4179	32.6	17.6855
Na 330.237	164440xb	ppb	1342.57	0.8	8486.91
Ni 231.604	4.3257b	ppb	0.6989	16.2	13.6379
Pb 220.353	-0.9540b	ppb	0.1396	14.6	2.1852
Sb 206.834	1.7414b	ppb	1.1734	67.4	3.2416
Se 196.026	4.4178b	ppb	4.4946	101.7	1.3135
Sn 189.925	7.4418b	ppb	2.1366	28.7	4.5906
Sr 216.596	807.851b	ppb	2.4940	0.3	7895.23
Ti 334.941	2.3595b	ppb	0.0959	4.1	576.809
Tl 190.794	3.5119b	ppb	0.5335	15.2	0.0420
V 292.401	15.5044b	ppb	0.1322	0.9	437.497
Zn 206.200	12.6454b	ppb	0.8773	6.9	22.0701

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-2-b (Samp) 3/27/2013, 8:20:17 AM Rack 4, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5344u	-0.8389u	-1.9004u
Al 308.215	17.7090	20.1373	18.7331
As 188.980	0.1888	-6.8614	-6.3748
B 249.678	275.092	272.725	274.450
Ba 389.178	48.0693	47.8685	47.1420
Be 313.042	-0.0981u	-0.1071u	-0.1074u
Ca 370.602	534742	533142	537270
Cd 226.502	-0.1413u	0.0397	0.1853
Co 228.615	-0.1190u	0.4306	-0.4928u
Cr 267.716	8.5265	8.4732	8.4456
Cu 324.754	-1.8449u	-1.9911u	-2.0830u
Fe 271.441	331.156	338.806	336.105
K 766.491	67373.2x	67240.9x	67246.6x
Mg 279.078	19118.0	19127.6	19135.3
Mn 257.610	551.795	551.723	552.084
Mo 202.032	-0.1186u	-0.3280u	0.1838
Na 330.237	290971x	288978x	288828x
Ni 231.604	3.8855	1.5451	2.0104
Pb 220.353	-3.0988u	-2.2825u	-4.0366u
Sb 206.834	0.4057	0.3082	4.9320
Se 196.026	14.4538	9.5185	8.9092
Sn 189.925	-0.8005u	-5.1496u	0.9192
Sr 216.596	2178.43	2187.19	2190.73
Ti 334.941	2.1039	2.1881	2.2076
Tl 190.794	0.7526u	6.4439	0.7556u
V 292.401	23.6367	23.6227	23.4320
Zn 206.200	3.2050	2.3177	4.7321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0912b	ppb	0.7171	65.7	-238.039
Al 308.215	18.8598b	ppb	1.2191	6.5	374.844
As 188.980	-4.3491b	ppb	3.9375	90.5	1.4235
B 249.678	274.089b	ppb	1.2240	0.4	2782.89
Ba 389.178	47.6932b	ppb	0.4879	1.0	1201.34
Be 313.042	-0.1042b	ppb	0.0053	5.1	-262.653
Ca 370.602	535051b	ppb	2081	0.4	1764421
Cd 226.502	0.0279b	ppb	0.1636	586.2	11.5398
Co 228.615	-0.0604b	ppb	0.4645	769.2	11.2792
Cr 267.716	8.4818b	ppb	0.0411	0.5	379.742
Cu 324.754	-1.9730b	ppb	0.1201	6.1	12.9232
Fe 271.441	335.356b	ppb	3.8797	1.2	574.136
K 766.491	67286.9xb	ppb	74.8194	0.1	3389632
Mg 279.078	19127.0b	ppb	8.6746	0.0	39863.6
Mn 257.610	551.867b	ppb	0.1912	0.0	127274
Mo 202.032	-0.0876b	ppb	0.2573	293.7	8.5737
Na 330.237	289592xb	ppb	1196.27	0.4	14946.4
Ni 231.604	2.4803b	ppb	1.2389	49.9	8.8136
Pb 220.353	-3.1393b	ppb	0.8777	28.0	-1.5486
Sb 206.834	1.8820b	ppb	2.6419	140.4	3.3036
Se 196.026	10.9605b	ppb	3.0406	27.7	4.3870
Sn 189.925	-1.6770b	ppb	3.1279	186.5	-2.3164
Sr 216.596	2185.45b	ppb	6.3325	0.3	21348.4
Ti 334.941	2.1665b	ppb	0.0551	2.5	541.447
Tl 190.794	2.6507b	ppb	3.2850	123.9	0.0403
V 292.401	23.5638b	ppb	0.1143	0.5	663.947
Zn 206.200	3.4183b	ppb	1.2213	35.7	8736664

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680-88313-a-3-b (Samp) 3/27/2013, 8:25:45 AM Rack 4, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9107u	-1.7475u	-1.5308u
Al 308.215	19.1655	18.1866	15.0574
As 188.980	-1.0252	-1.8426	8.6780
B 249.678	6875.30	6890.15	6907.90
Ba 389.178	28.9881	26.5566	27.5475
Be 313.042	0.6486	0.6243	0.6295
Ca 370.602	397404	398267	396638
Cd 226.502	1.4264	1.3461	1.3234
Co 228.615	17.1873	17.0200	15.4504
Cr 267.716	-1.5231	-1.5682	-1.9335
Cu 324.754	2.6748	3.0642	3.3917
Fe 271.441	372.875	381.956	370.907
K 766.491	439051x	437930x	438123x
Mg 279.078	1098371x	1095225x	1094173x
Mn 257.610	657.982	657.190	656.628
Mo 202.032	4.4146	4.6199	4.1755
Na 330.237	10437833x	10454287x	10403856x
Ni 231.604	33.4670	35.4831	34.6781
Pb 220.353	1.1529	-3.9959u	5.0250
Sb 206.834	4.5207	-0.7395u	2.4057
Se 196.026	17.9838	30.3838	13.5033
Sn 189.925	2.7906	3.9882	-3.2676
Sr 216.596	4096.61	4080.36	4088.68
Ti 334.941	-12.3795	-12.5433	-12.5368
Tl 190.794	-1.2892u	-1.7318u	7.0150
V 292.401	-0.4615u	-0.3233u	0.1465u
Zn 206.200	23.2064	21.8946	23.3360

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3963b	ppb	0.4343	31.1	-358.993
Al 308.215	17.4698b	ppb	2.1458	12.3	367.926
As 188.980	1.9367b	ppb	5.8524	302.2	4.1166
B 249.678	6891.12b	ppb	16.3236	0.2	65246.7
Ba 389.178	27.6974b	ppb	1.2227	4.4	3702.14
Be 313.042	0.6341b	ppb	0.0128	2.0	-169.847
Ca 370.602	397436b	ppb	814.7	0.2	1310605
Cd 226.502	1.3653b	ppb	0.0541	4.0	17.5230
Co 228.615	16.5526b	ppb	0.9582	5.8	206.528
Cr 267.716	-1.6750b	ppb	0.2250	13.4	104.108
Cu 324.754	3.0436b	ppb	0.3589	11.8	260.537
Fe 271.441	375.246b	ppb	5.8937	1.6	644.264
K 766.491	438368xb	ppb	599.273	0.1	22082014
Mg 279.078	1095923xb	ppb	2184.57	0.2	2283133
Mn 257.610	657.267b	ppb	0.6800	0.1	157477
Mo 202.032	4.4033b	ppb	0.2224	5.1	38.4179
Na 330.237	10431993xb	ppb	25717.9	0.2	538418
Ni 231.604	34.5428b	ppb	1.0149	2.9	92.6688
Pb 220.353	0.7273b	ppb	4.5255	622.2	4.8529
Sb 206.834	2.0623b	ppb	2.6469	128.3	3.3488
Se 196.026	20.6236b	ppb	8.7444	42.4	9.1709
Sn 189.925	1.1704b	ppb	3.8898	332.3	3.2671
Sr 216.596	4088.55b	ppb	8.1262	0.2	39874.7
Ti 334.941	-12.4865b	ppb	0.0928	0.7	488.996
Tl 190.794	1.3313b	ppb	4.9272	370.1	-1.0048
V 292.401	-0.2128b	ppb	0.3187	149.8	-75.8653
Zn 206.200	22.8123b	ppb	0.7974	3.5	38.0176

680-88313-a-4-b (Samp) 3/27/2013, 8:31:24 AM Rack 4, Tube 18
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1615u	-1.4455u	-0.4134u
Al 308.215	33.2139	32.1414	29.2803
As 188.980	8.4892	-2.8103	4.6373
B 249.678	8194.09x	8216.23x	8208.83x
Ba 389.178	24.1100	22.6014	22.4133
Be 313.042	0.7630	0.7490	0.7538
Ca 370.602	429567	428031	427952
Cd 226.502	1.1889u	1.6465	1.5108
Co 228.615	8.8336	9.0474	7.3992
Cr 267.716	-2.7650	-3.1884	-3.3077
Cu 324.754	13.2826	14.0816	13.9127
Fe 271.441	316.075	309.055	302.217
K 766.491	515454x	517194x	516263x
Mg 279.078	1173443x	1171751x	1170864x
Mn 257.610	1756.21	1756.38	1751.81
Mo 202.032	2.7048	2.7088	2.8237
Na 330.237	11993132x	12034525x	12111307x
Ni 231.604	30.2425	32.9804	29.3866
Pb 220.353	-3.3496u	6.4086	-1.2260u
Sb 206.834	0.7049	-7.5026u	-0.8754u
Se 196.026	17.7782	29.2155	6.8558
Sn 189.925	0.3526	-0.5072	-1.1534
Sr 216.596	4058.23	4057.91	4054.57
Ti 334.941	-13.4349	-13.2318	-13.2162
Tl 190.794	12.5824	6.0460	5.1947
V 292.401	1.6001u	1.2259u	1.5837u
Zn 206.200	9.7357	12.6129	11.8303

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0068b	ppb	0.5332	53.0	-325.819
Al 308.215	31.5452b	ppb	2.0334	6.4	449.524
As 188.980	3.4387b	ppb	5.7443	167.0	5.3022
B 249.678	8206.38xb	ppb	11.2730	0.1	77662.7
Ba 389.178	23.0416b	ppb	0.9300	4.0	3798.90
Be 313.042	0.7553b	ppb	0.0071	0.9	-125.874
Ca 370.602	428517b	ppb	910.5	0.2	1413134
Cd 226.502	1.4487b	ppb	0.2351	16.2	12.2522
Co 228.615	8.4267b	ppb	0.8963	10.6	111.197
Cr 267.716	-3.0870b	ppb	0.2852	9.2	73.2878
Cu 324.754	13.7590b	ppb	0.4211	3.1	788.440
Fe 271.441	309.116b	ppb	6.9291	2.2	530.599
K 766.491	516304xb	ppb	870.296	0.2	26007832
Mg 279.078	1172019xb	ppb	1309.94	0.1	2441646
Mn 257.610	1754.80b	ppb	2.5908	0.1	410669
Mo 202.032	2.7458b	ppb	0.0675	2.5	27.4185
Na 330.237	12046321xb	ppb	59964.1	0.5	621737
Ni 231.604	30.8698b	ppb	1.8773	6.1	83.0618
Pb 220.353	0.6110b	ppb	5.1319	839.9	4.9015
Sb 206.834	-2.5577b	ppb	4.3547	170.3	-0.9387
Se 196.026	17.9498b	ppb	11.1808	62.3	8.1248
Sn 189.925	-0.4360b	ppb	0.7555	173.3	2.5748
Sr 216.596	4056.90b	ppb	2.0267	0.0	39569.3
Ti 334.941	-13.2943b	ppb	0.1221	0.9	478.800
Tl 190.794	7.9410b	ppb	4.0420	50.9	2.4342
V 292.401	1.4699b	ppb	0.2115	14.4	-40.3258
Zn 206.200	11.3930b	ppb	1.4876	13.1	20.1613

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-5-d (Samp) 3/27/2013, 8:36:53 AM Rack 4, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8747u	-1.2799u	-1.0076u
Al 308.215	3.8785	2.6132	0.6836
As 188.980	-1.4115	2.1350	-1.1660
B 249.678	245.919	237.851	230.620
Ba 389.178	5406.01	5406.76	5401.75
Be 313.042	-0.0228u	-0.0253u	-0.0293u
Ca 370.602	124665	124824	124474
Cd 226.502	0.0703	-0.1377u	0.1269
Co 228.615	1.2408	0.4895	0.9117
Cr 267.716	1.1650	1.2348	1.1798
Cu 324.754	-0.2875u	-0.0379u	0.1800
Fe 271.441	103.933	92.1537	88.5503
K 766.491	52342.4x	52545.7x	52619.2x
Mg 279.078	32232.0	32169.3	32101.5
Mn 257.610	621.574	622.293	621.012
Mo 202.032	0.0663	-0.3315u	0.3272
Na 330.237	342734x	340578x	341102x
Ni 231.604	2.5953	1.0755	2.0085
Pb 220.353	-3.6637u	2.1017	0.7388
Sb 206.834	2.4981	-0.2240u	-2.1800u
Se 196.026	13.3728	-1.7494u	3.2819
Sn 189.925	0.3466	3.5293	3.0833
Sr 216.596	1653.17	1660.20	1652.74
Ti 334.941	0.0034	0.0235	0.0340
Tl 190.794	3.8508	4.0909	-3.0259u
V 292.401	1.9461	2.4023	2.5621
Zn 206.200	1.9843	0.1702	-0.1173u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0541b	ppb	0.2066	19.6	-210.805
Al 308.215	2.3918b	ppb	1.6089	67.3	279.305
As 188.980	-0.1475b	ppb	1.9805	1342.9	0.5527
B 249.678	238.130b	ppb	7.6529	3.2	2443.65
Ba 389.178	5404.84b	ppb	2.6995	0.0	133513
Be 313.042	-0.0258b	ppb	0.0033	12.6	-264.665
Ca 370.602	124654b	ppb	175.1	0.1	411077
Cd 226.502	0.0198b	ppb	0.1393	702.2	10.5134
Co 228.615	0.8807b	ppb	0.3766	42.8	22.2698
Cr 267.716	1.1932b	ppb	0.0367	3.1	62.8086
Cu 324.754	-0.0485b	ppb	0.2339	482.4	107.887
Fe 271.441	94.8791b	ppb	8.0454	8.5	165.050
K 766.491	52502.4xb	ppb	143.381	0.3	2644898
Mg 279.078	32167.6b	ppb	65.2566	0.2	67029.8
Mn 257.610	621.626b	ppb	0.6423	0.1	143407
Mo 202.032	0.0207b	ppb	0.3317	1606.0	9.3399
Na 330.237	341471xb	ppb	1124.90	0.3	17624.0
Ni 231.604	1.8931b	ppb	0.7664	40.5	7.2728
Pb 220.353	-0.2744b	ppb	3.0133	1098.2	3.1992
Sb 206.834	0.0313b	ppb	2.3495	7496.1	1.5062
Se 196.026	4.9685b	ppb	7.7009	155.0	1.4558
Sn 189.925	2.3197b	ppb	1.7232	74.3	0.6466
Sr 216.596	1655.37b	ppb	4.1885	0.3	16146.5
Ti 334.941	0.0203b	ppb	0.0155	76.6	24.9086
Tl 190.794	1.6386b	ppb	4.0413	246.6	-0.7238
V 292.401	2.3035b	ppb	0.3197	13.9	66.1917
Zn 206.200	0.6791b	ppb	1.1395	567.8	3.4052

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-5-dSD^5 (Samp) 3/27/2013, 8:42:20 AM Rack 4, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6468u	0.0931u	-0.6535u
Al 308.215	-4.3684u	-3.6244u	-3.6101u
As 188.980	-1.6199u	-3.6979u	-3.0388u
B 249.678	53.9884	53.0720	50.0103
Ba 389.178	1068.02	1067.55	1065.43
Be 313.042	-0.0136u	-0.0074u	-0.0158u
Ca 370.602	23906	23915	23833
Cd 226.502	-0.2503u	-0.0539u	-0.0329u
Co 228.615	-0.2246u	0.1392	0.6796
Cr 267.716	0.0550	0.1041	-0.2202u
Cu 324.754	-0.2861u	-0.0619u	-0.3346u
Fe 271.441	21.5488	16.3428	16.9069
K 766.491	8899.83	8918.98	8927.80
Mg 279.078	6251.96	6250.58	6237.03
Mn 257.610	123.617	123.576	123.051
Mo 202.032	0.8562	-0.4284u	0.3422
Na 330.237	59641.6	60165.9	59956.8
Ni 231.604	0.3909	-0.0087u	-1.6012u
Pb 220.353	-1.6443u	-0.0656u	-1.3457u
Sb 206.834	-2.9066u	-2.4206u	-5.0093u
Se 196.026	2.2309	2.8342	-0.2073u
Sn 189.925	0.5440	1.5294	1.8211
Sr 216.596	326.019	326.114	323.925
Ti 334.941	-0.0629	-0.0188	-0.0311
Tl 190.794	4.0561	4.1167	5.3785
V 292.401	0.4015	0.4039	0.1584
Zn 206.200	-0.0783u	0.4482	-0.3994u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4024	ppb	0.4291	106.6	-108.403
Al 308.215	-3.8676	ppb	0.4337	11.2	242.893
As 188.980	-2.7856	ppb	1.0619	38.1	-1.9313
B 249.678	52.3569	ppb	2.0832	4.0	689.989
Ba 389.178	1067.00	ppb	1.3788	0.1	26333.2
Be 313.042	-0.0123	ppb	0.0043	35.2	-234.642
Ca 370.602	23885	ppb	45.23	0.2	78761
Cd 226.502	-0.1124	ppb	0.1199	106.7	6.6477
Co 228.615	0.1981	ppb	0.4550	229.7	14.2057
Cr 267.716	-0.0204	ppb	0.1748	857.7	3.2374
Cu 324.754	-0.2275	ppb	0.1455	63.9	99.0622
Fe 271.441	18.2662	ppb	2.8568	15.6	34.6853
K 766.491	8915.54	ppb	14.2968	0.2	449306
Mg 279.078	6246.52	ppb	8.2486	0.1	13036.7
Mn 257.610	123.414	ppb	0.3152	0.3	28517.6
Mo 202.032	0.2567	ppb	0.6466	251.9	10.9128
Na 330.237	59921.4	ppb	263.916	0.4	3092.66
Ni 231.604	-0.4063	ppb	1.0539	259.4	1.2575
Pb 220.353	-1.0186	ppb	0.8386	82.3	1.8641
Sb 206.834	-3.4455	ppb	1.3759	39.9	-1.7506
Se 196.026	1.6193	ppb	1.6104	99.5	-0.3130
Sn 189.925	1.2982	ppb	0.6692	51.6	-0.2822
Sr 216.596	325.353	ppb	1.2375	0.4	3180.19
Ti 334.941	-0.0376	ppb	0.0228	60.5	-79.7508
Tl 190.794	4.5171	ppb	0.7466	16.5	1.7554
V 292.401	0.3212	ppb	0.1410	43.9	12.5204
Zn 206.200	-0.0098	ppb	0.4279	4353.7	2.3320

680-88313-a-5-dPDS (Samp) 3/27/2013, 8:47:48 AM Rack 4, Tube 21

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	53.7625	53.8679	52.9322
Al 308.215	2085.09	2089.74	2089.85
As 188.980	2315.32	2309.56	2333.97
B 249.678	1238.26	1247.59	1257.74
Ba 389.178	7364.34	7359.69	7362.38
Be 313.042	52.9973	53.0257	52.8411
Ca 370.602	125973	126085	125628
Cd 226.502	50.3752	50.5751	50.5328
Co 228.615	525.819	523.069	522.867
Cr 267.716	198.966	198.713	198.246
Cu 324.754	266.088	266.275	265.338
Fe 271.441	1129.82	1120.50	1124.53
K 766.491	57431.8x	57395.2x	57358.8x
Mg 279.078	36469.8	36477.7	36494.4
Mn 257.610	1131.39	1130.36	1131.59
Mo 202.032	511.487	511.109	511.880
Na 330.237	337762x	337008x	337769x
Ni 231.604	503.930	507.875	509.253
Pb 220.353	496.283	497.033	498.292
Sb 206.834	516.135	514.256	514.026
Se 196.026	2147.27	2147.32	2140.52
Sn 189.925	1047.73	1055.13	1044.53
Sr 216.596	2115.04	2114.95	2102.20
Ti 334.941	1012.47	1012.67	1006.81
Tl 190.794	2018.44	2042.84	2022.65
V 292.401	525.357	525.197	525.554
Zn 206.200	505.562	507.095	510.867

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5209b	ppb	0.5125	1.0	3613.33
Al 308.215	2088.22b	ppb	2.7184	0.1	12485.4
As 188.980	2319.61b	ppb	12.7602	0.6	1435.98
B 249.678	1247.87b	ppb	9.7404	0.8	11974.3
Ba 389.178	7362.14b	ppb	2.3349	0.0	181859
Be 313.042	52.9547b	ppb	0.0994	0.2	103630
Ca 370.602	125896b	ppb	238.1	0.2	415300
Cd 226.502	50.4944b	ppb	0.1053	0.2	1910.68
Co 228.615	523.918b	ppb	1.6490	0.3	6177.37
Cr 267.716	198.642b	ppb	0.3653	0.2	8681.72
Cu 324.754	265.900b	ppb	0.4959	0.2	13221.7
Fe 271.441	1124.95b	ppb	4.6720	0.4	2001.61
K 766.491	57395.3xb	ppb	36.4590	0.1	2891363
Mg 279.078	36480.6b	ppb	12.5660	0.0	76006.6
Mn 257.610	1131.11b	ppb	0.6594	0.1	260775
Mo 202.032	511.492b	ppb	0.3853	0.1	3402.58
Na 330.237	337513xb	ppb	437.600	0.1	17407.4
Ni 231.604	507.019b	ppb	2.7628	0.5	1328.36
Pb 220.353	497.203b	ppb	1.0152	0.2	823.430
Sb 206.834	514.805b	ppb	1.1570	0.2	477.590
Se 196.026	2145.04b	ppb	3.9119	0.2	1053.87
Sn 189.925	1049.13b	ppb	5.4377	0.5	814.323
Sr 216.596	2110.73b	ppb	7.3864	0.3	20558.4
Ti 334.941	1010.65b	ppb	3.3259	0.3	267598
Tl 190.794	2027.97b	ppb	13.0439	0.6	1390.89
V 292.401	525.369b	ppb	0.1788	0.0	14678.4
Zn 206.200	507.841b	ppb	2.7298	0.5	795.974

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-5-e ms (Samp) 3/27/2013, 8:53:26 AM Rack 4, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.4706	35.2381	34.9672
Al 308.215	5094.45	5087.01	5095.40
As 188.980	103.780	106.456	108.725
B 249.678	379.273	379.329	381.012
Ba 389.178	5443.95	5438.02	5443.05
Be 313.042	51.5229	51.4650	51.5951
Ca 370.602	127875	127528	127936
Cd 226.502	49.1431	49.6407	49.2812
Co 228.615	50.1351	51.1956	50.8176
Cr 267.716	96.6156	96.7238	96.8332
Cu 324.754	101.737	101.910	101.683
Fe 271.441	5007.51	5028.57	5037.76
K 766.491	58028.2x	57973.0x	57809.9x
Mg 279.078	36640.2	36690.4	36813.3
Mn 257.610	1119.60	1119.71	1123.88
Mo 202.032	98.1675	97.2031	98.4758
Na 330.237	343475x	343095x	343640x
Ni 231.604	101.830	96.3674	100.597
Pb 220.353	48.8587	47.6497	46.6438
Sb 206.834	53.2194	56.6595	47.9044
Se 196.026	101.198	107.870	95.9898
Sn 189.925	199.707	194.688	199.360
Sr 216.596	1722.54	1718.41	1730.14
Ti 334.941	96.8336	96.5820	96.9478
Tl 190.794	37.7849	43.6229	41.8534
V 292.401	103.556	103.227	103.568
Zn 206.200	99.7283	97.1863	101.460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.2253b	ppb	0.2520	0.7	2340.83
Al 308.215	5092.28b	ppb	4.5955	0.1	29929.5
As 188.980	106.321b	ppb	2.4755	2.3	66.3915
B 249.678	379.871b	ppb	0.9880	0.3	3777.03
Ba 389.178	5441.67b	ppb	3.1992	0.1	134443
Be 313.042	51.5277b	ppb	0.0652	0.1	100914
Ca 370.602	127780b	ppb	220.4	0.2	421004
Cd 226.502	49.3550b	ppb	0.2569	0.5	1877.22
Co 228.615	50.7161b	ppb	0.5375	1.1	607.074
Cr 267.716	96.7242b	ppb	0.1088	0.1	4235.30
Cu 324.754	101.776b	ppb	0.1183	0.1	5128.43
Fe 271.441	5024.61b	ppb	15.5095	0.3	8557.25
K 766.491	57937.0xb	ppb	113.545	0.2	2918652
Mg 279.078	36714.6b	ppb	89.0423	0.2	76494.1
Mn 257.610	1121.07b	ppb	2.4371	0.2	258474
Mo 202.032	97.9488b	ppb	0.6639	0.7	658.805
Na 330.237	343403xb	ppb	279.240	0.1	17720.8
Ni 231.604	99.5984b	ppb	2.8652	2.9	262.907
Pb 220.353	47.7174b	ppb	1.1090	2.3	82.2706
Sb 206.834	52.5944b	ppb	4.4109	8.4	50.6930
Se 196.026	101.686b	ppb	5.9553	5.9	49.1631
Sn 189.925	197.918b	ppb	2.8033	1.4	152.686
Sr 216.596	1723.69b	ppb	5.9490	0.3	16809.5
Ti 334.941	96.7878b	ppb	0.1871	0.2	25663.3
Tl 190.794	41.0871b	ppb	2.9935	7.3	25.7237
V 292.401	103.450b	ppb	0.1936	0.2	2886.65
Zn 206.200	99.4583b	ppb	2.1498	2.1	157.594

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-5-f msd (Samp) 3/27/2013, 8:58:55 AM Rack 4, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.4925	36.2161	36.2700
Al 308.215	5151.64	5154.36	5162.62
As 188.980	115.064	107.483	113.546
B 249.678	369.381	371.074	369.789
Ba 389.178	5509.63	5511.19	5524.75
Be 313.042	52.0729	52.2223	52.2819
Ca 370.602	129432	129721	129878
Cd 226.502	49.9284	50.0979	49.9286
Co 228.615	50.0193	52.0497	51.3538
Cr 267.716	97.6260	98.1145	98.2439
Cu 324.754	103.043	103.274	103.575
Fe 271.441	5058.68	5070.52	5069.44
K 766.491	58872.8x	58683.9x	58701.8x
Mg 279.078	37178.8	37298.9	37349.7
Mn 257.610	1137.07	1140.06	1139.96
Mo 202.032	98.1670	97.7149	97.4553
Na 330.237	349107x	348427x	349457x
Ni 231.604	99.6391	100.513	98.8676
Pb 220.353	50.8039	44.2509	44.7930
Sb 206.834	50.2463	48.9290	49.3209
Se 196.026	105.631	113.905	112.494
Sn 189.925	202.323	196.608	197.282
Sr 216.596	1744.31	1757.50	1755.38
Ti 334.941	97.4098	97.7681	98.2246
Tl 190.794	40.7911	41.0138	40.8480
V 292.401	104.750	104.692	105.014
Zn 206.200	102.832	105.339	103.151

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.9929b	ppb	0.4342	1.2	2393.70
Al 308.215	5156.21b	ppb	5.7182	0.1	30301.7
As 188.980	112.031b	ppb	4.0113	3.6	69.9411
B 249.678	370.081b	ppb	0.8834	0.2	3684.58
Ba 389.178	5515.19b	ppb	8.3149	0.2	136260
Be 313.042	52.1924b	ppb	0.1076	0.2	102219
Ca 370.602	129677b	ppb	226.2	0.2	427256
Cd 226.502	49.9850b	ppb	0.0978	0.2	1900.99
Co 228.615	51.1409b	ppb	1.0318	2.0	612.106
Cr 267.716	97.9948b	ppb	0.3259	0.3	4290.93
Cu 324.754	103.297b	ppb	0.2667	0.3	5203.36
Fe 271.441	5066.21b	ppb	6.5478	0.1	8628.09
K 766.491	58752.9xb	ppb	104.253	0.2	2959748
Mg 279.078	37275.8b	ppb	87.7466	0.2	77662.8
Mn 257.610	1139.03b	ppb	1.6972	0.1	262614
Mo 202.032	97.7790b	ppb	0.3602	0.4	657.674
Na 330.237	348997xb	ppb	523.657	0.2	18009.4
Ni 231.604	99.6734b	ppb	0.8234	0.8	263.104
Pb 220.353	46.6159b	ppb	3.6370	7.8	80.4538
Sb 206.834	49.4987b	ppb	0.6764	1.4	47.8276
Se 196.026	110.676b	ppb	4.4265	4.0	53.5885
Sn 189.925	198.737b	ppb	3.1235	1.6	153.325
Sr 216.596	1752.40b	ppb	7.0853	0.4	17089.3
Ti 334.941	97.8008b	ppb	0.4084	0.4	25933.2
Tl 190.794	40.8843b	ppb	0.1157	0.3	25.5655
V 292.401	104.819b	ppb	0.1714	0.2	2925.07
Zn 206.200	103.774b	ppb	1.3649	1.3	164.339

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-6-b (Samp) 3/27/2013, 9:04:23 AM Rack 4, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8784u	-1.2278u	-1.0116u
Al 308.215	14.7937	15.0178	14.6823
As 188.980	1.8317	-3.7335u	6.6860
B 249.678	201.524	201.684	201.600
Ba 389.178	4842.15	4841.30	4842.90
Be 313.042	-0.0108u	-0.0194u	-0.0077u
Ca 370.602	114737	114916	115325
Cd 226.502	-0.0254u	-0.0757u	0.1327
Co 228.615	1.1151	0.5915	1.6818
Cr 267.716	3.0876	3.0016	2.6359
Cu 324.754	0.0407	0.3390	0.2451
Fe 271.441	173.833	170.859	179.266
K 766.491	56970.0x	56905.2x	57038.9x
Mg 279.078	41426.0	41476.7	41524.7
Mn 257.610	391.035	390.704	391.793
Mo 202.032	-0.7774u	-0.3919u	0.4838
Na 330.237	463925x	467385x	464688x
Ni 231.604	2.3762	1.9092	-0.1940u
Pb 220.353	-0.7963u	-3.2963u	-1.3992u
Sb 206.834	1.8635	2.1360	-4.3052u
Se 196.026	3.3867	15.3572	1.7824
Sn 189.925	4.8725	0.1974	1.2465
Sr 216.596	1469.43	1481.08	1485.18
Ti 334.941	14.4124	14.5193	14.4585
Tl 190.794	3.1017	1.9992	3.0063
V 292.401	10.5889	10.0025	10.2936
Zn 206.200	2.4607	2.1532	2.9520

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0393b	ppb	0.1764	17.0	-203.297
Al 308.215	14.8313b	ppb	0.1709	1.2	351.596
As 188.980	1.5947b	ppb	5.2138	326.9	1.5468
B 249.678	201.603b	ppb	0.0800	0.0	2098.77
Ba 389.178	4842.11b	ppb	0.8020	0.0	119644
Be 313.042	-0.0126b	ppb	0.0061	48.2	-258.076
Ca 370.602	114993b	ppb	301.5	0.3	379205
Cd 226.502	0.0105b	ppb	0.1087	1034.0	9.7739
Co 228.615	1.1295b	ppb	0.5453	48.3	25.5950
Cr 267.716	2.9084b	ppb	0.2399	8.2	138.800
Cu 324.754	0.2083b	ppb	0.1525	73.2	120.486
Fe 271.441	174.652b	ppb	4.2628	2.4	300.754
K 766.491	56971.3xb	ppb	66.8736	0.1	2870009
Mg 279.078	41475.8b	ppb	49.3912	0.1	86425.1
Mn 257.610	391.177b	ppb	0.5582	0.1	90382.0
Mo 202.032	-0.2285b	ppb	0.6463	282.8	7.6690
Na 330.237	465332xb	ppb	1817.72	0.4	24016.6
Ni 231.604	1.3638b	ppb	1.3692	100.4	5.8903
Pb 220.353	-1.8306b	ppb	1.3046	71.3	0.5717
Sb 206.834	-0.1019b	ppb	3.6427	3574.2	1.4007
Se 196.026	6.8421b	ppb	7.4178	108.4	2.3213
Sn 189.925	2.1055b	ppb	2.4530	116.5	0.5180
Sr 216.596	1478.56b	ppb	8.1745	0.6	14423.1
Ti 334.941	14.4634b	ppb	0.0536	0.4	3878.75
Tl 190.794	2.7024b	ppb	0.6109	22.6	0.2376
V 292.401	10.2950b	ppb	0.2932	2.8	290.187
Zn 206.200	2.5219b	ppb	0.4029	16.0	62820

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Verif (CCV) 3/27/2013, 9:09:51 AM Rack 4, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	495.916	499.850	500.502
Al 308.215	4897.22	4900.54	4910.62
As 188.980	453.872	460.208	462.470
B 249.678	2446.52	2464.75	2483.57
Ba 389.178	4890.19	4893.43	4897.27
Be 313.042	483.086	484.173	484.593
Ca 370.602	4825	4825	4830
Cd 226.502	469.089	469.808	469.959
Co 228.615	485.648	485.681	487.081
Cr 267.716	4645.70	4654.95	4658.05
Cu 324.754	4778.35	4908.09	4845.07
Fe 271.441	4875.36	4884.98	4891.97
K 766.491	10005.9	10031.6	10041.0
Mg 279.078	4781.56	4791.40	4795.38
Mn 257.610	4868.45	4884.16	4880.77
Mo 202.032	470.522	474.684	471.913
Na 330.237	7139.78	7413.78	7275.85
Ni 231.604	2411.14	2417.94	2420.98
Pb 220.353	472.963	471.905	470.925
Sb 206.834	911.148	919.793	909.275
Se 196.026	4744.87	4731.84	4771.49
Sn 189.925	4860.49	4938.11	4871.83
Sr 216.596	2344.26	2349.53	2350.19
Ti 334.941	475.790	476.298	477.552
Tl 190.794	4771.61	4762.38	4758.71
V 292.401	4850.23	4852.40	4854.19
Zn 206.200	2388.51	2394.70	2391.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.756	ppb	2.4810	0.5	34972.2	99.75124
Al 308.215	4902.79	ppb	6.9798	0.1	28791.0	98.05588
As 188.980	458.850	ppb	4.4571	1.0	283.410	91.77001
B 249.678	2464.95	ppb	18.5247	0.8	23459.7	98.59788
Ba 389.178	4893.63	ppb	3.5429	0.1	120835	97.87260
Be 313.042	483.951	ppb	0.7779	0.2	949508	96.79013
Ca 370.602	4826	ppb	2.939	0.1	15778	96.52988
Cd 226.502	469.619	ppb	0.4648	0.1	17677.2	93.92372
Co 228.615	486.137	ppb	0.8180	0.2	5732.24	97.22739
Cr 267.716	4652.90	ppb	6.4280	0.1	203106	93.05803
Cu 324.754	4843.84	ppb	64.8811	1.3	238756	96.87675
Fe 271.441	4884.10	ppb	8.3367	0.2	8428.88	97.68204
K 766.491	10026.2	ppb	18.2093	0.2	505252	100.26172
Mg 279.078	4789.45	ppb	7.1135	0.1	9925.69	95.78896
Mn 257.610	4877.79	ppb	8.2668	0.2	1123523	97.55589
Mo 202.032	472.373	ppb	2.1186	0.4	3135.36	94.47458
Na 330.237	7276.47	ppb	136.999	1.9	352.343	97.01959
Ni 231.604	2416.69	ppb	5.0374	0.2	6322.85	96.66748
Pb 220.353	471.931	ppb	1.0190	0.2	782.813	94.38619
Sb 206.834	913.405	ppb	5.6105	0.6	895.381	91.34050
Se 196.026	4749.40	ppb	20.2079	0.4	2335.39	94.98803
Sn 189.925	4890.14	ppb	41.9258	0.9	3799.76	97.80286
Sr 216.596	2348.00	ppb	3.2494	0.1	22832.2	93.91991
Ti 334.941	476.547	ppb	0.9067	0.2	126089	95.30934
Tl 190.794	4764.23	ppb	6.6437	0.1	3268.11	95.28465
V 292.401	4852.27	ppb	1.9849	0.0	136095	97.04544
Zn 206.200	2391.47	ppb	3.1044	0.1	3728.01	95.65865

Cont Calib Blank (CCB) 3/27/2013, 9:15:19 AM Rack 4, Tube 26
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4121	0.4368	-0.3467u
Al 308.215	-5.4150u	-1.8750u	-3.4265u
As 188.980	-2.8127u	0.7254	-3.7452u
B 249.678	51.3557	45.5487	41.0258
Ba 389.178	-0.3086u	0.8796	0.8604
Be 313.042	-0.0130u	-0.0027u	-0.0047u
Ca 370.602	3.061	1.627	-0.6946u
Cd 226.502	0.1175	-0.0080u	0.0620
Co 228.615	-0.0358u	0.4134	0.4579
Cr 267.716	-0.1587u	0.2352	-0.3761u
Cu 324.754	0.1673	0.5528	0.0039
Fe 271.441	1.7270	5.0371	-1.3122u
K 766.491	0.8823	2.6089	2.6694
Mg 279.078	-0.2872u	1.4879	1.9765
Mn 257.610	-0.0513u	-0.0694u	-0.0063u
Mo 202.032	1.0170	0.6980	0.9202
Na 330.237	20.6679	0.7221	-202.313u
Ni 231.604	0.8773	-0.5821u	-0.6056u
Pb 220.353	-4.6348u	0.2227	-3.3930u
Sb 206.834	0.4831	1.5481	2.4334
Se 196.026	5.7749	3.9643	2.3751
Sn 189.925	4.4965	3.2805	1.2822
Sr 216.596	-0.3308u	0.3043	-0.3806u
Ti 334.941	0.1244	0.0984	0.0691
Tl 190.794	2.2506	2.2044	-0.9853u
V 292.401	0.3214	0.0293	-0.0004u
Zn 206.200	-0.6480u	-0.1875u	-0.4540u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1674	ppb	0.4454	266.1	-54.4215	0.16738
Al 308.215	-3.5721	ppb	1.7745	49.7	244.720	-3.57215
As 188.980	-1.9442	ppb	2.3585	121.3	-1.6126	-1.94417
B 249.678	45.9767	ppb	5.1782	11.3	629.763	45.97672
Ba 389.178	0.4771	ppb	0.6805	142.6	-18.2387	0.47713
Be 313.042	-0.0068	ppb	0.0055	80.2	-224.129	-0.00681
Ca 370.602	1.331	ppb	1.895	142.4	-1.729	1.33129
Cd 226.502	0.0572	ppb	0.0629	109.9	13.2454	0.05717
Co 228.615	0.2785	ppb	0.2731	98.1	15.1193	0.27849
Cr 267.716	-0.0998	ppb	0.3099	310.3	-1.7067	-0.09985
Cu 324.754	0.2413	ppb	0.2819	116.8	122.183	0.24132
Fe 271.441	1.8173	ppb	3.1756	174.7	6.7686	1.81731
K 766.491	2.0535	ppb	1.0148	49.4	309.256	2.05353
Mg 279.078	1.0591	ppb	1.1912	112.5	27.5446	1.05905
Mn 257.610	-0.0423	ppb	0.0325	76.7	48.9855	-0.04231
Mo 202.032	0.8784	ppb	0.1635	18.6	15.0399	0.87839
Na 330.237	-60.3078	ppb	123.384	204.6	-3.1159	-60.30781
Ni 231.604	-0.1035	ppb	0.8495	821.1	2.0493	-0.10346
Pb 220.353	-2.6017	ppb	2.5236	97.0	-0.7781	-2.60172
Sb 206.834	1.4882	ppb	0.9765	65.6	2.8413	1.48821
Se 196.026	4.0381	ppb	1.7011	42.1	0.8461	4.03813
Sn 189.925	3.0197	ppb	1.6229	53.7	1.0263	3.01974
Sr 216.596	-0.1357	ppb	0.3819	281.4	7.0568	-0.13570
Ti 334.941	0.0973	ppb	0.0277	28.4	-66.1552	0.09729
Tl 190.794	1.1566	ppb	1.8550	160.4	-0.4288	1.15658
V 292.401	0.1168	ppb	0.1779	152.3	7.0412	0.11677
Zn 206.200	-0.4298	ppb	0.2312	53.8	-1.6754	-0.42980

680-88313-a-7-b (Samp) 3/27/2013, 9:20:47 AM Rack 4, Tube 27
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1773u	-0.6881u	0.1849u
Al 308.215	766.801	770.358	771.119
As 188.980	37.3569	43.0477	42.5433
B 249.678	909.418	912.315	913.914
Ba 389.178	224.171	224.960	223.605
Be 313.042	1.3584	1.3648	1.3597
Ca 370.602	67588	67753	67675
Cd 226.502	0.6476	0.6311	0.2929u
Co 228.615	0.9526	1.1798	1.2309
Cr 267.716	90.4451	91.0934	90.6354
Cu 324.754	3.2013	2.9534	3.0433
Fe 271.441	797.058	794.764	789.639
K 766.491	106429x	106818x	106725x
Mg 279.078	147728	147669	147532
Mn 257.610	253.043	253.447	253.172
Mo 202.032	2.2131	2.2271	2.3048
Na 330.237	2695086x	2668727x	2723223x
Ni 231.604	23.4932	25.6429	22.6158
Pb 220.353	1.3218	1.6610	3.6525
Sb 206.834	-0.3351	-1.3226u	-1.9460u
Se 196.026	2.8966	19.0693	10.9358
Sn 189.925	9.2459	4.9193	-2.2741u
Sr 216.596	1040.41	1043.37	1040.17
Ti 334.941	677.698	680.266	679.310
Tl 190.794	3.9946	-1.9175u	6.2500
V 292.401	363.035	363.233	362.381
Zn 206.200	17.5346	16.4849	19.2527

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2268b	ppb	0.4386	193.4	-126.780
Al 308.215	769.426b	ppb	2.3049	0.3	4739.65
As 188.980	40.9826b	ppb	3.1501	7.7	25.5120
B 249.678	911.882b	ppb	2.2793	0.2	8803.13
Ba 389.178	224.245b	ppb	0.6803	0.3	5919.07
Be 313.042	1.3610b	ppb	0.0034	0.2	2128.98
Ca 370.602	67672b	ppb	82.30	0.1	223234
Cd 226.502	0.5239b	ppb	0.2002	38.2	19.1669
Co 228.615	1.1211b	ppb	0.1481	13.2	43.8837
Cr 267.716	90.7246b	ppb	0.3332	0.4	4007.02
Cu 324.754	3.0660b	ppb	0.1255	4.1	258.082
Fe 271.441	793.820b	ppb	3.7986	0.5	1356.89
K 766.491	106657xb	ppb	203.098	0.2	5372832
Mg 279.078	147643b	ppb	100.606	0.1	307604
Mn 257.610	253.221b	ppb	0.2064	0.1	59186.8
Mo 202.032	2.2483b	ppb	0.0494	2.2	23.4686
Na 330.237	2695679xb	ppb	27252.8	1.0	139124
Ni 231.604	23.9173b	ppb	1.5575	6.5	64.8882
Pb 220.353	2.2118b	ppb	1.2592	56.9	6.8316
Sb 206.834	-1.2012b	ppb	0.8123	67.6	1.1898
Se 196.026	10.9672b	ppb	8.0864	73.7	4.3207
Sn 189.925	3.9637b	ppb	5.8191	146.8	2.6974
Sr 216.596	1041.32b	ppb	1.7845	0.2	10158.9
Ti 334.941	679.091b	ppb	1.2980	0.2	180117
Tl 190.794	2.7757b	ppb	4.2179	152.0	0.5228
V 292.401	362.883b	ppb	0.4458	0.1	10195.0
Zn 206.200	17.7574b	ppb	1.3973	7.9	20.8325

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88313-a-8-b (Samp) **3/27/2013, 9:26:26 AM** **Rack 4, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0483u	-1.4125u	-1.4130u
Al 308.215	2.5316	1.0002	3.4194
As 188.980	3.7938	2.9736	6.5947
B 249.678	414.234	411.892	415.848
Ba 389.178	19.5035	18.6287	17.7083
Be 313.042	-0.0460u	-0.0417u	-0.0530u
Ca 370.602	182924	182545	182992
Cd 226.502	-0.2470u	-0.1797u	-0.0828u
Co 228.615	-0.1390u	0.2385	0.8509
Cr 267.716	18.4954	17.9314	17.8018
Cu 324.754	0.2979	0.1376	0.7416
Fe 271.441	45.5917	55.4809	51.6631
K 766.491	19052.9	19069.2	19134.5
Mg 279.078	13372.3	13344.5	13339.5
Mn 257.610	1145.94	1145.24	1146.29
Mo 202.032	0.9957	-0.2321u	0.4108
Na 330.237	166830x	165633x	167065x
Ni 231.604	5.2729	2.2843	3.8417
Pb 220.353	-1.8166u	-1.9861u	-2.6313u
Sb 206.834	-1.6520u	2.8006	-1.7812u
Se 196.026	13.7985	-1.0671u	3.7569
Sn 189.925	7.3979	5.6074	7.7078
Sr 216.596	812.686	812.298	810.935
Ti 334.941	2.6680	2.7008	2.5880
Tl 190.794	3.7599	6.5914	-1.8263u
V 292.401	15.5195	14.6953	14.8698
Zn 206.200	10.3075	11.7981	12.5140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9257b	ppb	0.8436	91.1	-162.313
Al 308.215	2.3171b	ppb	1.2238	52.8	278.678
As 188.980	4.4540b	ppb	1.8987	42.6	3.8868
B 249.678	413.991b	ppb	1.9889	0.5	4103.72
Ba 389.178	18.6135b	ppb	0.8977	4.8	466.745
Be 313.042	-0.0469b	ppb	0.0057	12.1	-259.844
Ca 370.602	182820b	ppb	241.1	0.1	602910
Cd 226.502	-0.1698b	ppb	0.0825	48.6	4.0377
Co 228.615	0.3168b	ppb	0.4996	157.7	15.7280
Cr 267.716	18.0762b	ppb	0.3688	2.0	798.911
Cu 324.754	0.3924b	ppb	0.3129	79.7	129.478
Fe 271.441	50.9119b	ppb	4.9872	9.8	90.4523
K 766.491	19085.5b	ppb	43.2050	0.2	961597
Mg 279.078	13352.1b	ppb	17.7003	0.1	27823.5
Mn 257.610	1145.82b	ppb	0.5364	0.0	264033
Mo 202.032	0.3914b	ppb	0.6141	156.9	11.7806
Na 330.237	166510xb	ppb	767.908	0.5	8593.80
Ni 231.604	3.7996b	ppb	1.4948	39.3	12.2581
Pb 220.353	-2.1447b	ppb	0.4299	20.0	0.2206
Sb 206.834	-0.2109b	ppb	2.6088	1237.2	1.4342
Se 196.026	5.4961b	ppb	7.5839	138.0	1.8437
Sn 189.925	6.9043b	ppb	1.1339	16.4	4.1736
Sr 216.596	811.973b	ppb	0.9194	0.1	7935.35
Ti 334.941	2.6523b	ppb	0.0580	2.2	654.532
Tl 190.794	2.8417b	ppb	4.2833	150.7	-0.4162
V 292.401	15.0282b	ppb	0.4343	2.9	424.202
Zn 206.200	11.5399b	ppb	1.1257	9.8	203386

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680-88367-a-1-b (Samp) 3/27/2013, 9:31:55 AM Rack 4, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8462u	-1.0947u	-1.0073u
Al 308.215	14.5089	18.5544	14.4252
As 188.980	31.5133	20.8044	16.9152
B 249.678	1971.86	1981.32	1986.89
Ba 389.178	21.7734	23.0966	21.8980
Be 313.042	0.2168	0.2011u	0.2075
Ca 370.602	134665	134605	134342
Cd 226.502	0.4735u	0.5788	0.4855
Co 228.615	0.6407	1.6362	0.4247
Cr 267.716	2.8671	2.7546	2.5599
Cu 324.754	0.7058	0.4304	0.4361
Fe 271.441	107.422	110.911	110.878
K 766.491	169820x	170359x	170557x
Mg 279.078	168434	167946	167779
Mn 257.610	767.756	767.151	766.138
Mo 202.032	1.0280	0.5811	0.7632
Na 330.237	3561894x	3567470x	3602846x
Ni 231.604	7.7486	8.2081	7.1798
Pb 220.353	-1.4837u	-1.2666u	-1.4011u
Sb 206.834	9.5099	1.6480	1.5248
Se 196.026	16.6074	-1.9051u	8.5321
Sn 189.925	-6.6663u	2.7225	-3.4393u
Sr 216.596	568.639	569.603	566.987
Ti 334.941	-0.0206	-0.0829	0.0030
Tl 190.794	-2.6795u	-5.3114u	-3.2351u
V 292.401	7.4348	8.0771	7.4466
Zn 206.200	3.1873	4.8090	5.4963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9827b	ppb	0.1260	12.8	-159.561
Al 308.215	15.8295b	ppb	2.3602	14.9	357.631
As 188.980	23.0776b	ppb	7.5599	32.8	15.0007
B 249.678	1980.02b	ppb	7.6009	0.4	18886.9
Ba 389.178	22.2560b	ppb	0.7306	3.3	986.635
Be 313.042	0.2085b	ppb	0.0079	3.8	-207.923
Ca 370.602	134538b	ppb	171.9	0.1	443671
Cd 226.502	0.5126b	ppb	0.0576	11.2	12.2862
Co 228.615	0.9005b	ppb	0.6462	71.8	22.5887
Cr 267.716	2.7272b	ppb	0.1554	5.7	183.587
Cu 324.754	0.5241b	ppb	0.1574	30.0	136.095
Fe 271.441	109.737b	ppb	2.0048	1.8	190.428
K 766.491	170245xb	ppb	381.169	0.2	8575928
Mg 279.078	168053b	ppb	340.568	0.2	350115
Mn 257.610	767.015b	ppb	0.8178	0.1	177629
Mo 202.032	0.7908b	ppb	0.2247	28.4	14.4417
Na 330.237	3577403xb	ppb	22209.7	0.6	184638
Ni 231.604	7.7122b	ppb	0.5151	6.7	22.4920
Pb 220.353	-1.3838b	ppb	0.1095	7.9	1.3961
Sb 206.834	4.2276b	ppb	4.5750	108.2	5.4313
Se 196.026	7.7448b	ppb	9.2813	119.8	2.8580
Sn 189.925	-2.4610b	ppb	4.7702	193.8	-1.9735
Sr 216.596	568.410b	ppb	1.3232	0.2	5558.03
Ti 334.941	-0.0335b	ppb	0.0444	132.6	346.525
Tl 190.794	-3.7420b	ppb	1.3872	37.1	-4.5682
V 292.401	7.6528b	ppb	0.3675	4.8	191.238
Zn 206.200	4.4975b	ppb	1.1856	26.4	9.3687

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

680-88367-a-2-b (Samp) 3/27/2013, 9:37:33 AM Rack 4, Tube 30
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4515u	-0.2519u	-0.6617u
Al 308.215	31.3569	33.9129	33.1218
As 188.980	4.9310	19.0741	14.3585
B 249.678	101.180	97.7293	96.8999
Ba 389.178	7.8178	8.4441	8.0712
Be 313.042	-0.0173u	-0.0170u	-0.0214u
Ca 370.602	17107	17093	17134
Cd 226.502	0.0420	-0.0579u	0.1563
Co 228.615	0.1878	0.6678	-0.2529u
Cr 267.716	0.2955	0.1447	0.3566
Cu 324.754	3.5515	3.0183	3.3541
Fe 271.441	37.5111	36.0726	29.5562
K 766.491	5353.71	5365.71	5378.57
Mg 279.078	3113.96	3107.24	3097.26
Mn 257.610	4.9207	4.9348	4.9168
Mo 202.032	2.7611	1.8491	1.2040
Na 330.237	49304.6	49505.7	49459.3
Ni 231.604	1.6360	0.7600	1.6543
Pb 220.353	0.9641	-0.3866u	-1.9969u
Sb 206.834	-2.5310u	5.5267	-2.3401u
Se 196.026	9.8023	-6.1852u	-0.8436u
Sn 189.925	3.9961	1.4958	1.3950
Sr 216.596	140.277	139.411	139.761
Ti 334.941	1.1263	1.0817	1.1574
Tl 190.794	1.6267	-0.1010u	-2.4409u
V 292.401	4.5659	3.9027	4.4938
Zn 206.200	1.6330	0.4137	0.4080

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4550	ppb	0.2049	45.0	-104.409
Al 308.215	32.7972	ppb	1.3085	4.0	456.600
As 188.980	12.7878	ppb	7.2012	56.3	7.6484
B 249.678	98.6031	ppb	2.2700	2.3	1126.52
Ba 389.178	8.1110	ppb	0.3150	3.9	178.950
Be 313.042	-0.0186	ppb	0.0025	13.2	-247.843
Ca 370.602	17111	ppb	20.60	0.1	56420
Cd 226.502	0.0468	ppb	0.1072	229.1	12.6879
Co 228.615	0.2009	ppb	0.4605	229.2	14.1964
Cr 267.716	0.2656	ppb	0.1091	41.1	15.0554
Cu 324.754	3.3080	ppb	0.2696	8.1	273.294
Fe 271.441	34.3800	ppb	4.2390	12.3	62.1719
K 766.491	5366.00	ppb	12.4348	0.2	270506
Mg 279.078	3106.15	ppb	8.4004	0.3	6496.25
Mn 257.610	4.9241	ppb	0.0095	0.2	1210.11
Mo 202.032	1.9381	ppb	0.7824	40.4	22.0632
Na 330.237	49423.2	ppb	105.290	0.2	2550.81
Ni 231.604	1.3501	ppb	0.5111	37.9	5.8515
Pb 220.353	-0.4731	ppb	1.4824	313.3	2.7354
Sb 206.834	0.2186	ppb	4.5980	2103.7	1.6443
Se 196.026	0.9245	ppb	8.1391	880.4	-0.6834
Sn 189.925	2.2956	ppb	1.4735	64.2	0.4869
Sr 216.596	139.816	ppb	0.4359	0.3	1372.00
Ti 334.941	1.1218	ppb	0.0380	3.4	214.587
Tl 190.794	-0.3051	ppb	2.0414	669.2	-1.4380
V 292.401	4.3208	ppb	0.3639	8.4	124.642
Zn 206.200	0.8182	ppb	0.7057	86.2	2.6261

680-88367-a-3-b (Samp) 3/27/2013, 9:43:02 AM Rack 4, Tube 31
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6918u	-0.5376u	-0.7400u
Al 308.215	53.1623	57.7564	53.1713
As 188.980	-1.8929	7.3241	5.9158
B 249.678	609.402	612.530	614.284
Ba 389.178	154.658	156.147	154.896
Be 313.042	0.0180u	0.0221u	0.0198u
Ca 370.602	154694	154585	154448
Cd 226.502	-0.0795u	0.1891	0.0767u
Co 228.615	0.2271	0.5278	-0.7051u
Cr 267.716	0.1884	0.2687	0.6319
Cu 324.754	-0.1226u	0.4864	0.0322
Fe 271.441	606.999	609.710	600.589
K 766.491	46842.2x	46818.7x	46491.1x
Mg 279.078	65316.6	65161.1	65285.6
Mn 257.610	1558.04	1559.14	1558.73
Mo 202.032	0.5526	1.0688	0.1910
Na 330.237	1155133x	1152351x	1151747x
Ni 231.604	4.8566	6.9585	8.4332
Pb 220.353	-1.9586u	-1.4233u	-3.1436u
Sb 206.834	1.6898	-2.2564u	4.0285
Se 196.026	10.8206	-0.5667	20.8694
Sn 189.925	4.0965	2.5010	-2.2074u
Sr 216.596	2060.74	2061.12	2057.73
Ti 334.941	2.7929	2.8968	2.7699
Tl 190.794	4.1709	6.4835	10.0559
V 292.401	-0.8364u	-0.9773u	-1.1038u
Zn 206.200	3.2485	4.9051	3.4235

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6565b	ppb	0.1058	16.1	-197.499
Al 308.215	54.6967b	ppb	2.6498	4.8	584.060
As 188.980	3.7823b	ppb	4.9651	131.3	3.2295
B 249.678	612.072b	ppb	2.4727	0.4	5973.08
Ba 389.178	155.234b	ppb	0.7998	0.5	3985.22
Be 313.042	0.0200b	ppb	0.0020	10.2	-262.749
Ca 370.602	154576b	ppb	122.9	0.1	509732
Cd 226.502	0.0621b	ppb	0.1349	217.1	9.1239
Co 228.615	0.0166b	ppb	0.6429	3873.1	12.1495
Cr 267.716	0.3630b	ppb	0.2363	65.1	43.7442
Cu 324.754	0.1320b	ppb	0.3165	239.8	116.988
Fe 271.441	605.766b	ppb	4.6843	0.8	1033.80
K 766.491	46717.3xb	ppb	196.308	0.4	2353486
Mg 279.078	65254.4b	ppb	82.3010	0.1	135944
Mn 257.610	1558.64b	ppb	0.5544	0.0	359395
Mo 202.032	0.6041b	ppb	0.4411	73.0	13.1946
Na 330.237	1153077xb	ppb	1806.12	0.2	59512.6
Ni 231.604	6.7494b	ppb	1.7975	26.6	19.9842
Pb 220.353	-2.1752b	ppb	0.8804	40.5	0.2565
Sb 206.834	1.1540b	ppb	3.1766	275.3	2.5485
Se 196.026	10.3744b	ppb	10.7250	103.4	4.3469
Sn 189.925	1.4634b	ppb	3.2775	224.0	0.2667
Sr 216.596	2059.86b	ppb	1.8566	0.1	20089.8
Ti 334.941	2.8199b	ppb	0.0676	2.4	846.108
Tl 190.794	6.9034b	ppb	2.9649	42.9	1.9338
V 292.401	-0.9725b	ppb	0.1338	13.8	-32.3347
Zn 206.200	3.8590b	ppb	0.9101	23.6	8.3801

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0862u	-0.9856u	-1.3662u
Al 308.215	431.895	435.281	433.472
As 188.980	-2.4036u	3.3955	4.0125
B 249.678	1802.97	1811.79	1825.17
Ba 389.178	33.2660	33.1252	33.2216
Be 313.042	0.1745	0.1864	0.1628
Ca 370.602	81341	81156	81490
Cd 226.502	0.0883u	0.3798	0.4313
Co 228.615	0.1603	1.2413	0.9656
Cr 267.716	5.3629	5.4515	5.2977
Cu 324.754	0.7953	0.0213	0.3821
Fe 271.441	286.560	294.273	285.120
K 766.491	109146x	109411x	108367x
Mg 279.078	238508	238706	239281
Mn 257.610	180.462	180.422	180.775
Mo 202.032	1.0032	1.1848	1.0613
Na 330.237	2253397x	2287913x	2272424x
Ni 231.604	5.3527	7.0513	6.4333
Pb 220.353	0.0575	-1.0902u	0.2092
Sb 206.834	-1.6915u	5.4229	-8.1153u
Se 196.026	14.9070	6.8480	17.9971
Sn 189.925	-1.5594u	0.9156	6.3495
Sr 216.596	1367.37	1365.62	1374.88
Ti 334.941	31.1996	31.0978	31.1977
Tl 190.794	-0.9649u	-2.2861u	-5.1592u
V 292.401	18.1169	17.9146	17.7692
Zn 206.200	1.5723	2.7548	2.6854

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8126b	ppb	0.6573	80.9	-186.270
Al 308.215	433.549b	ppb	1.6948	0.4	2789.88
As 188.980	1.6681b	ppb	3.5396	212.2	1.3039
B 249.678	1813.31b	ppb	11.1767	0.6	17312.9
Ba 389.178	33.2043b	ppb	0.0720	0.2	1454.42
Be 313.042	0.1746b	ppb	0.0118	6.8	-133.359
Ca 370.602	81329b	ppb	167.4	0.2	268180
Cd 226.502	0.2998b	ppb	0.1850	61.7	13.1079
Co 228.615	0.7891b	ppb	0.5617	71.2	22.1237
Cr 267.716	5.3707b	ppb	0.0772	1.4	275.234
Cu 324.754	0.3996b	ppb	0.3873	96.9	129.916
Fe 271.441	288.651b	ppb	4.9222	1.7	494.740
K 766.491	108975xb	ppb	542.326	0.5	5489563
Mg 279.078	238832b	ppb	401.218	0.2	497576
Mn 257.610	180.553b	ppb	0.1932	0.1	42959.3
Mo 202.032	1.0831b	ppb	0.0927	8.6	16.3548
Na 330.237	2271245xb	ppb	17288.1	0.8	117224
Ni 231.604	6.2791b	ppb	0.8597	13.7	18.7481
Pb 220.353	-0.2745b	ppb	0.7105	258.8	3.0772
Sb 206.834	-1.4613b	ppb	6.7720	463.4	0.1452
Se 196.026	13.2507b	ppb	5.7561	43.4	5.4233
Sn 189.925	1.9019b	ppb	4.0456	212.7	0.9565
Sr 216.596	1369.29b	ppb	4.9198	0.4	13355.4
Ti 334.941	31.1651b	ppb	0.0583	0.2	9005.76
Tl 190.794	-2.8034b	ppb	2.1445	76.5	-3.3405
V 292.401	17.9336b	ppb	0.1746	1.0	492.400
Zn 206.200	2.3375b	ppb	0.6636	28.4	5.9839

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.6568u	-1.8214u	-1.5484u
Al 308.215	35.6931	35.5008	38.5418
As 188.980	6.3112	-10.2540u	2.6750
B 249.678	1189.92	1195.14	1200.80
Ba 389.178	293.410	292.922	294.873
Be 313.042	0.1961u	0.1896u	0.1927u
Ca 370.602	168091	168966	169135
Cd 226.502	0.3814u	0.3482u	0.5788
Co 228.615	1.0645	0.6630	0.2590
Cr 267.716	0.3812	0.4997	0.2465
Cu 324.754	-0.0546u	0.2842	-0.6288u
Fe 271.441	186.988	180.631	189.268
K 766.491	152085x	151503x	151606x
Mg 279.078	443115	446001	445936
Mn 257.610	855.940	857.474	859.335
Mo 202.032	-0.5340u	-0.9126u	-0.8383u
Na 330.237	3682452x	3735286x	3719300x
Ni 231.604	5.7185	8.1765	6.2880
Pb 220.353	2.1411	-0.3175u	0.6291
Sb 206.834	-5.2685u	-1.7474u	4.1008
Se 196.026	23.1283	18.3549	16.3395
Sn 189.925	-8.1625u	5.2461	-0.1537
Sr 216.596	2633.59	2647.72	2659.64
Ti 334.941	-1.8759	-1.7548	-1.8494
Tl 190.794	4.6588	2.2121	-5.0460u
V 292.401	9.7593	9.4827	9.8216
Zn 206.200	2.3139	2.7854	2.8082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0089b	ppb	0.5775	28.7	-326.761
Al 308.215	36.5786b	ppb	1.7029	4.7	478.243
As 188.980	-0.4226b	ppb	8.7062	2060.2	0.7424
B 249.678	1195.29b	ppb	5.4421	0.5	11479.1
Ba 389.178	293.735b	ppb	1.0153	0.3	8459.86
Be 313.042	0.1928b	ppb	0.0033	1.7	-253.070
Ca 370.602	168731b	ppb	560.8	0.3	556426
Cd 226.502	0.4361b	ppb	0.1247	28.6	12.3389
Co 228.615	0.6622b	ppb	0.4027	60.8	19.8802
Cr 267.716	0.3758b	ppb	0.1267	33.7	83.5651
Cu 324.754	-0.1331b	ppb	0.4615	346.9	103.684
Fe 271.441	185.629b	ppb	4.4760	2.4	319.512
K 766.491	151731xb	ppb	310.471	0.2	7643336
Mg 279.078	445017b	ppb	1647.97	0.4	927109
Mn 257.610	857.583b	ppb	1.7000	0.2	200026
Mo 202.032	-0.7616b	ppb	0.2006	26.3	4.1322
Na 330.237	3712346xb	ppb	27094.6	0.7	191602
Ni 231.604	6.7277b	ppb	1.2866	19.1	19.9190
Pb 220.353	0.8176b	ppb	1.2401	151.7	5.0523
Sb 206.834	-0.9717b	ppb	4.7325	487.0	0.5785
Se 196.026	19.2742b	ppb	3.4865	18.1	8.5513
Sn 189.925	-1.0234b	ppb	6.7465	659.3	-0.7967
Sr 216.596	2646.98b	ppb	13.0386	0.5	25810.6
Ti 334.941	-1.8267b	ppb	0.0636	3.5	1040.79
Tl 190.794	0.6083b	ppb	5.0472	829.7	-1.6790
V 292.401	9.6879b	ppb	0.1804	1.9	251.210
Zn 206.200	2.6358b	ppb	0.2790	10.6	6.4639

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4643u	-1.5609u	-0.2042u
Al 308.215	26.8626	30.2782	30.9958
As 188.980	54.0207	46.7794	49.9351
B 249.678	945.718	951.661	956.168
Ba 389.178	-0.3435	-0.4082	-1.4447
Be 313.042	0.1722	0.1794	0.1733
Ca 370.602	211268	211164	212016
Cd 226.502	0.3127	0.0067u	0.3670
Co 228.615	0.9794	1.5010	0.4515
Cr 267.716	33.6319	33.6470	33.4803
Cu 324.754	-0.2702u	-0.0002u	0.0099
Fe 271.441	1947.86	1945.91	1945.15
K 766.491	178787x	177744x	178118x
Mg 279.078	295321	295577	295569
Mn 257.610	372.467	372.341	372.937
Mo 202.032	-0.4405u	0.0740	-0.2812u
Na 330.237	3032521x	3028321x	3034030x
Ni 231.604	17.5381	15.5032	16.4541
Pb 220.353	0.9344	5.6350	-0.1876u
Sb 206.834	4.8572	-1.5799u	-4.3739u
Se 196.026	19.5854	4.0924	9.4210
Sn 189.925	6.1766	5.0590	-1.2937
Sr 216.596	176.259	174.314	176.668
Ti 334.941	114.270	114.528	115.053
Tl 190.794	1.1117	0.7364	6.4254
V 292.401	59.2218	58.8617	58.8370
Zn 206.200	5.4209	5.6263	3.4117

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7431b	ppb	0.7200	96.9	-129.012
Al 308.215	29.3789b	ppb	2.2085	7.5	435.470
As 188.980	50.2451b	ppb	3.6306	7.2	32.4395
B 249.678	951.182b	ppb	5.2413	0.6	9173.16
Ba 389.178	-0.7321b	ppb	0.6179	84.4	775.714
Be 313.042	0.1750b	ppb	0.0039	2.2	-186.805
Ca 370.602	211483b	ppb	465.0	0.2	697271
Cd 226.502	0.2288b	ppb	0.1943	84.9	10.8217
Co 228.615	0.9773b	ppb	0.5248	53.7	26.7652
Cr 267.716	33.5864b	ppb	0.0922	0.3	1520.50
Cu 324.754	-0.0868b	ppb	0.1589	182.9	105.993
Fe 271.441	1946.31b	ppb	1.3953	0.1	3314.18
K 766.491	178216xb	ppb	528.203	0.3	8977445
Mg 279.078	295489b	ppb	145.342	0.0	615607
Mn 257.610	372.582b	ppb	0.3139	0.1	87501.3
Mo 202.032	-0.2159b	ppb	0.2634	122.0	7.5881
Na 330.237	3031624xb	ppb	2958.62	0.1	156467
Ni 231.604	16.4985b	ppb	1.0182	6.2	45.5090
Pb 220.353	2.1272b	ppb	3.0892	145.2	7.0469
Sb 206.834	-0.3655b	ppb	4.7338	1295.1	1.4844
Se 196.026	11.0329b	ppb	7.8713	71.3	4.3897
Sn 189.925	3.3140b	ppb	4.0293	121.6	2.3623
Sr 216.596	175.747b	ppb	1.2577	0.7	1740.31
Ti 334.941	114.617b	ppb	0.3986	0.3	31281.8
Tl 190.794	2.7578b	ppb	3.1818	115.4	0.2424
V 292.401	58.9735b	ppb	0.2154	0.4	1640.92
Zn 206.200	4.8197b	ppb	1.2236	25.4	97766

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680-88367-a-7-b (Samp) 3/27/2013, 10:04:55 AM Rack 4, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7078u	-0.8867u	-0.4518u
Al 308.215	9.3941	10.6214	8.7949
As 188.980	0.4595	3.1662	-0.1013
B 249.678	1515.22	1530.08	1525.01
Ba 389.178	14.6602	12.8161	14.1822
Be 313.042	0.2246	0.2228	0.2093
Ca 370.602	544242	547270	541930
Cd 226.502	0.5478	0.0621u	0.1840u
Co 228.615	0.5623	0.1903	0.5541
Cr 267.716	0.3646	0.5842	0.4515
Cu 324.754	-1.7022u	-1.8342u	-1.8154u
Fe 271.441	926.171	936.527	929.852
K 766.491	140941x	141877x	135472x
Mg 279.078	1103291x	1108132x	1102765x
Mn 257.610	1168.14	1175.39	1167.71
Mo 202.032	-0.2029u	-1.3136u	0.1471
Na 330.237	4318355x	4332248x	4301732x
Ni 231.604	12.9787	11.3042	12.5147
Pb 220.353	-0.2065u	0.6744	5.4350
Sb 206.834	1.9503	-2.9621u	6.9217
Se 196.026	13.5739	-5.7926u	10.9785
Sn 189.925	-2.1609u	-1.2726	0.2387
Sr 216.596	4429.99	4471.08	4442.84
Ti 334.941	-14.0065	-13.9301	-13.9481
Tl 190.794	4.7420	2.1177	5.5721
V 292.401	1.4973	1.6925	1.5988
Zn 206.200	6.4335	2.4601	3.7794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6821b	ppb	0.2185	32.0	-321.608
Al 308.215	9.6035b	ppb	0.9311	9.7	321.306
As 188.980	1.1748b	ppb	1.7473	148.7	4.8766
B 249.678	1523.44b	ppb	7.5515	0.5	14576.0
Ba 389.178	13.8861b	ppb	0.9570	6.9	3381.30
Be 313.042	0.2189b	ppb	0.0084	3.8	-166.410
Ca 370.602	544481b	ppb	2678	0.5	1795481
Cd 226.502	0.2646b	ppb	0.2527	95.5	12.6171
Co 228.615	0.4356b	ppb	0.2125	48.8	17.1320
Cr 267.716	0.4668b	ppb	0.1106	23.7	99.0323
Cu 324.754	-1.7839b	ppb	0.0714	4.0	22.6400
Fe 271.441	930.850b	ppb	5.2497	0.6	1586.71
K 766.491	139430xb	ppb	3459.60	2.5	7023678
Mg 279.078	1104729xb	ppb	2958.23	0.3	2301471
Mn 257.610	1170.42b	ppb	4.3140	0.4	275738
Mo 202.032	-0.4564b	ppb	0.7626	167.1	6.1360
Na 330.237	4317445xb	ppb	15278.1	0.4	222833
Ni 231.604	12.2659b	ppb	0.8645	7.0	34.4190
Pb 220.353	1.9676b	ppb	3.0349	154.2	7.0235
Sb 206.834	1.9700b	ppb	4.9419	250.9	3.3424
Se 196.026	6.2533b	ppb	10.5125	168.1	2.2337
Sn 189.925	-1.0649b	ppb	1.2132	113.9	-0.4780
Sr 216.596	4447.97b	ppb	21.0200	0.5	43390.3
Ti 334.941	-13.9616b	ppb	0.0399	0.3	586.192
Tl 190.794	4.1440b	ppb	1.8032	43.5	0.3906
V 292.401	1.5962b	ppb	0.0976	6.1	26.6987
Zn 206.200	4.2243b	ppb	2.0237	47.9	8.9472

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680-88367-a-8-b (Samp) 3/27/2013, 10:10:23 AM Rack 4, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9178u	-0.1333u	-0.1766u
Al 308.215	-3.1147u	-6.6789u	-5.0439u
As 188.980	1.0152	-9.4546u	-1.0687u
B 249.678	17.9434	15.7783	13.5591
Ba 389.178	-0.6800u	0.0115	-0.2100u
Be 313.042	-0.0186u	-0.0065u	-0.0024u
Ca 370.602	66.15	67.68	71.10
Cd 226.502	-0.1983u	-0.0694u	0.1598
Co 228.615	0.0439	-0.0967u	-0.3107u
Cr 267.716	-0.0459u	0.0126	-0.0414u
Cu 324.754	0.1779	0.5936	-0.0841u
Fe 271.441	-2.4746u	-9.2607u	2.6802
K 766.491	16.2878	16.0777	16.3049
Mg 279.078	14.6457	18.8700	20.7146
Mn 257.610	-0.0104u	-0.0641u	-0.0082u
Mo 202.032	-0.4440u	0.2980	0.1532
Na 330.237	132.528	140.456	557.091
Ni 231.604	0.1346	-1.0840u	-1.1622u
Pb 220.353	1.5788	3.2945	0.8869
Sb 206.834	-1.8131u	1.6639	-1.0783u
Se 196.026	17.2587	-7.7834u	0.6033
Sn 189.925	-1.5798u	-0.3624u	2.5274
Sr 216.596	0.3317	-0.1782u	0.0913
Ti 334.941	-0.0002u	0.0336	-0.0152u
Tl 190.794	7.2975	6.6754	3.1040
V 292.401	-0.1340u	-0.2242u	0.0039
Zn 206.200	0.4223	-0.9716u	0.2883

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4092	ppb	0.4410	107.8	-95.0063
Al 308.215	-4.9458	ppb	1.7842	36.1	236.603
As 188.980	-3.1694	ppb	5.5420	174.9	-2.3700
B 249.678	15.7602	ppb	2.1922	13.9	344.527
Ba 389.178	-0.2929	ppb	0.3531	120.6	-37.2105
Be 313.042	-0.0092	ppb	0.0084	91.8	-228.595
Ca 370.602	68.31	ppb	2.531	3.7	219.3
Cd 226.502	-0.0360	ppb	0.1814	504.5	9.7393
Co 228.615	-0.1212	ppb	0.1786	147.3	10.4541
Cr 267.716	-0.0249	ppb	0.0325	130.8	1.5736
Cu 324.754	0.2291	ppb	0.3417	149.1	121.560
Fe 271.441	-3.0184	ppb	5.9890	198.4	-1.5628
K 766.491	16.2235	ppb	0.1265	0.8	1023.04
Mg 279.078	18.0768	ppb	3.1113	17.2	62.9972
Mn 257.610	-0.0276	ppb	0.0316	114.7	52.4694
Mo 202.032	0.0024	ppb	0.3933	16688.7	9.2268
Na 330.237	276.692	ppb	242.866	87.8	14.2775
Ni 231.604	-0.7039	ppb	0.7272	103.3	0.4790
Pb 220.353	1.9201	ppb	1.2396	64.6	6.6911
Sb 206.834	-0.4092	ppb	1.8325	447.9	1.0838
Se 196.026	3.3595	ppb	12.7466	379.4	0.5124
Sn 189.925	0.1951	ppb	2.1096	1081.5	-1.1692
Sr 216.596	0.0816	ppb	0.2551	312.5	9.2170
Ti 334.941	0.0061	ppb	0.0250	412.1	-90.2554
Tl 190.794	5.6923	ppb	2.2630	39.8	2.6869
V 292.401	-0.1181	ppb	0.1149	97.3	0.6026
Zn 206.200	-0.0870	ppb	0.7690	883.8	2.2111

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Verif (CCV) 3/27/2013, 10:15:51 AM Rack 4, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	497.545	500.275	509.699
Al 308.215	4944.56	4963.45	4987.60
As 188.980	463.971	463.975	462.091
B 249.678	2466.19	2497.59	2519.72
Ba 389.178	4923.53	4949.49	4971.02
Be 313.042	486.867	489.410	490.591
Ca 370.602	4861	4903	4918
Cd 226.502	474.252	476.621	477.364
Co 228.615	491.228	494.088	494.230
Cr 267.716	4673.85	4708.81	4721.55
Cu 324.754	4773.96	4816.22	4782.47
Fe 271.441	4931.20	4943.48	4961.56
K 766.491	10102.2	9942.52	10197.3
Mg 279.078	4840.46	4858.89	4871.51
Mn 257.610	4909.15	4938.61	4952.79
Mo 202.032	475.425	478.588	482.923
Na 330.237	7360.25	7583.07	7212.83
Ni 231.604	2431.69	2442.66	2449.46
Pb 220.353	474.281	481.832	473.084
Sb 206.834	911.620	930.018	921.855
Se 196.026	4797.94	4801.60	4803.97
Sn 189.925	4938.43	4969.15	4988.30
Sr 216.596	2358.48	2382.72	2387.44
Ti 334.941	477.674	482.587	483.648
Tl 190.794	4788.34	4838.76	4829.29
V 292.401	4886.97	4908.68	4915.68
Zn 206.200	2403.51	2421.87	2427.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.506	ppb	6.3767	1.3	35235.3	100.50123
Al 308.215	4965.20	ppb	21.5733	0.4	29154.2	99.30405
As 188.980	463.345	ppb	1.0868	0.2	286.190	92.66910
B 249.678	2494.50	ppb	26.8966	1.1	23738.6	99.78009
Ba 389.178	4948.01	ppb	23.7776	0.5	122179	98.96030
Be 313.042	488.956	ppb	1.9032	0.4	959331	97.79121
Ca 370.602	4894	ppb	29.40	0.6	15999	97.88216
Cd 226.502	476.079	ppb	1.6250	0.3	17920.2	95.21577
Co 228.615	493.182	ppb	1.6935	0.3	5815.07	98.63641
Cr 267.716	4701.41	ppb	24.6993	0.5	205224	94.02812
Cu 324.754	4790.89	ppb	22.3498	0.5	236147	95.81770
Fe 271.441	4945.42	ppb	15.2730	0.3	8534.74	98.90834
K 766.491	10080.7	ppb	128.755	1.3	507997	100.80671
Mg 279.078	4856.95	ppb	15.6160	0.3	10065.4	97.13901
Mn 257.610	4933.51	ppb	22.2628	0.5	1136357	98.67030
Mo 202.032	478.979	ppb	3.7638	0.8	3179.11	95.79573
Na 330.237	7385.38	ppb	186.396	2.5	357.698	98.47179
Ni 231.604	2441.27	ppb	8.9630	0.4	6387.14	97.65086
Pb 220.353	476.399	ppb	4.7433	1.0	790.190	95.27982
Sb 206.834	921.165	ppb	9.2185	1.0	903.081	92.11647
Se 196.026	4801.17	ppb	3.0392	0.1	2360.86	96.02347
Sn 189.925	4965.30	ppb	25.1573	0.5	3858.17	99.30592
Sr 216.596	2376.21	ppb	15.5346	0.7	23106.5	95.04847
Ti 334.941	481.303	ppb	3.1871	0.7	127349	96.26057
Tl 190.794	4818.80	ppb	26.7974	0.6	3305.56	96.37597
V 292.401	4903.78	ppb	14.9687	0.3	137539	98.07558
Zn 206.200	2417.46	ppb	12.3548	0.5	3768.51	96.69859

Cont Calib Blank (CCB) 3/27/2013, 10:21:20 AM Rack 4, Tube 38
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8513u	-0.3677u	-0.4806u
Al 308.215	-5.7666u	-6.3697u	-3.5842u
As 188.980	-0.6466u	-0.8360u	-4.2899u
B 249.678	52.9713	47.9994	43.2530
Ba 389.178	-0.0383u	0.4607	0.2146
Be 313.042	-0.0026u	-0.0051u	-0.0090u
Ca 370.602	4.663	0.3666	3.265
Cd 226.502	-0.0168u	-0.1118u	-0.2456u
Co 228.615	-0.4545u	0.4324	0.4378
Cr 267.716	0.2165	0.0249	-0.0455u
Cu 324.754	0.1455	0.0525	-0.3017u
Fe 271.441	1.3063	3.7555	-7.7402u
K 766.491	1.7015	0.9669	1.8149
Mg 279.078	2.1553	3.9729	1.1407
Mn 257.610	0.0017	-0.0600u	-0.0149u
Mo 202.032	0.4374	0.7589	-0.1970u
Na 330.237	-146.021u	2.4998	71.5900
Ni 231.604	-1.3223u	-0.2521u	-0.4416u
Pb 220.353	-0.2230u	-3.5571u	0.7326
Sb 206.834	4.9522	2.1544	3.2968
Se 196.026	7.6605	3.7602	10.6617
Sn 189.925	3.4605	0.2244	3.9467
Sr 216.596	0.3966	0.3867	0.2018
Ti 334.941	0.1746	0.1832	0.0998
Tl 190.794	2.4319	-1.8532u	2.3277
V 292.401	-0.0553u	0.3645	0.3732
Zn 206.200	-0.4644u	0.4152	-0.4401u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5665	ppb	0.2530	44.7	-106.069	-0.56654
Al 308.215	-5.2401	ppb	1.4655	28.0	234.922	-5.24015
As 188.980	-1.9242	ppb	2.0510	106.6	-1.6000	-1.92421
B 249.678	48.0746	ppb	4.8596	10.1	649.570	48.07458
Ba 389.178	0.2123	ppb	0.2495	117.5	-24.7809	0.21234
Be 313.042	-0.0056	ppb	0.0032	58.1	-221.577	-0.00556
Ca 370.602	2.765	ppb	2.191	79.3	3.334	2.76468
Cd 226.502	-0.1247	ppb	0.1149	92.2	6.3984	-0.12472
Co 228.615	0.1386	ppb	0.5136	370.6	13.4982	0.13859
Cr 267.716	0.0653	ppb	0.1356	207.5	5.5032	0.06532
Cu 324.754	-0.0346	ppb	0.2360	682.3	108.569	-0.03458
Fe 271.441	-0.8928	ppb	6.0551	678.2	2.1257	-0.89281
K 766.491	1.4945	ppb	0.4604	30.8	281.094	1.49445
Mg 279.078	2.4230	ppb	1.4349	59.2	30.3854	2.42296
Mn 257.610	-0.0244	ppb	0.0319	130.9	53.1091	-0.02440
Mo 202.032	0.3331	ppb	0.4864	146.0	11.4211	0.33310
Na 330.237	-23.9771	ppb	111.195	463.8	-1.2439	-23.97708
Ni 231.604	-0.6720	ppb	0.5711	85.0	0.5623	-0.67201
Pb 220.353	-1.0159	ppb	2.2521	221.7	1.8418	-1.01587
Sb 206.834	3.4678	ppb	1.4067	40.6	4.6964	3.46780
Se 196.026	7.3608	ppb	3.4605	47.0	2.4799	7.36081
Sn 189.925	2.5438	ppb	2.0233	79.5	0.6564	2.54385
Sr 216.596	0.3283	ppb	0.1097	33.4	11.6061	0.32835
Ti 334.941	0.1525	ppb	0.0458	30.1	-51.5224	0.15253
Tl 190.794	0.9688	ppb	2.4445	252.3	-0.5575	0.96880
V 292.401	0.2275	ppb	0.2450	107.7	10.2720	0.22747
Zn 206.200	-0.1631	ppb	0.5010	307.2	2.0923	-0.16308

680-88408-a-1-b (Samp) 3/27/2013, 10:26:49 AM Rack 4, Tube 39
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1465u	-0.8288u	-1.1871u
Al 308.215	696.384	695.169	692.606
As 188.980	37.7210	45.6461	40.6057
B 249.678	908.051	911.137	905.061
Ba 389.178	206.456	206.890	204.792
Be 313.042	1.3650	1.3577	1.3566
Ca 370.602	63090	62914	62748
Cd 226.502	0.4065	0.3236u	0.2673u
Co 228.615	1.6717	1.5252	0.8815
Cr 267.716	90.3591	90.1547	90.2075
Cu 324.754	2.2681	2.4015	2.1593
Fe 271.441	493.802	472.171	477.792
K 766.491	102827x	102515x	102571x
Mg 279.078	134884	134590	133893
Mn 257.610	227.882	227.165	226.708
Mo 202.032	3.5530	1.1116	3.8405
Na 330.237	2601816x	2650044x	2646345x
Ni 231.604	24.4444	25.7008	24.5872
Pb 220.353	-4.6169u	1.4458	0.0130u
Sb 206.834	5.0462	-7.3324u	-0.0365
Se 196.026	8.1253	18.7162	20.9493
Sn 189.925	1.2991	1.6997	7.1383
Sr 216.596	941.788	939.368	937.235
Ti 334.941	692.547	691.991	689.740
Tl 190.794	2.0967	2.7683	-6.0562u
V 292.401	372.313	370.915	370.425
Zn 206.200	6.4362	3.7001	5.5218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7208b	ppb	0.5286	73.3	-157.016
Al 308.215	694.720b	ppb	1.9287	0.3	4304.54
As 188.980	41.3243b	ppb	4.0111	9.7	25.6866
B 249.678	908.083b	ppb	3.0381	0.3	8767.56
Ba 389.178	206.046b	ppb	1.1074	0.5	5432.43
Be 313.042	1.3598b	ppb	0.0046	0.3	2132.92
Ca 370.602	62917b	ppb	170.9	0.3	207582
Cd 226.502	0.3325b	ppb	0.0700	21.1	11.3892
Co 228.615	1.3595b	ppb	0.4203	30.9	47.0208
Cr 267.716	90.2404b	ppb	0.1061	0.1	3984.64
Cu 324.754	2.2763b	ppb	0.1213	5.3	219.010
Fe 271.441	481.255b	ppb	11.2236	2.3	825.399
K 766.491	102638xb	ppb	166.440	0.2	5170344
Mg 279.078	134455b	ppb	508.909	0.4	280130
Mn 257.610	227.251b	ppb	0.5917	0.3	53131.6
Mo 202.032	2.8350b	ppb	1.4995	52.9	27.3624
Na 330.237	2632735xb	ppb	26840.1	1.0	135876
Ni 231.604	24.9108b	ppb	0.6879	2.8	67.4800
Pb 220.353	-1.0527b	ppb	3.1687	301.0	1.4284
Sb 206.834	-0.7742b	ppb	6.2222	803.7	1.5694
Se 196.026	15.9302b	ppb	6.8509	43.0	6.7527
Sn 189.925	3.3790b	ppb	3.2618	96.5	2.2201
Sr 216.596	939.464b	ppb	2.2784	0.2	9166.07
Ti 334.941	691.426b	ppb	1.4866	0.2	183331
Tl 190.794	-0.3971b	ppb	4.9125	1237.2	-1.6164
V 292.401	371.218b	ppb	0.9796	0.3	10429.9
Zn 206.200	5.2194b	ppb	1.3929	26.7	102254

680-88408-a-2-b (Samp) 3/27/2013, 10:32:17 AM Rack 4, Tube 40

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3099u	0.0547	-0.7667u
Al 308.215	-3.3953u	-4.2207u	-2.4355u
As 188.980	1.8090	0.2941	3.9474
B 249.678	11.0714	10.1995	8.2264
Ba 389.178	0.1631	0.3540	-0.1490u
Be 313.042	-0.0272u	-0.0065u	-0.0187u
Ca 370.602	38.64	33.22	37.82
Cd 226.502	0.1635	-0.0248u	0.1976
Co 228.615	0.3750	0.3457	0.4023
Cr 267.716	-0.3295u	0.0909	-0.2546u
Cu 324.754	1.1361	1.4614	0.0749
Fe 271.441	-7.4336u	-2.5822u	-3.2096u
K 766.491	2.1208	3.7530	3.6649
Mg 279.078	-3.5133u	1.0662	1.4833
Mn 257.610	-0.0669u	-0.0920u	-0.0276u
Mo 202.032	0.1210	-0.1205u	0.4064
Na 330.237	456.609	116.805	44.6365
Ni 231.604	0.4108	-1.4418u	2.1785
Pb 220.353	0.4476	-2.1597u	-3.1387u
Sb 206.834	-1.5472u	-5.7776u	-0.4479u
Se 196.026	-2.8320u	3.7599	-0.8706u
Sn 189.925	-0.8916u	3.0017	3.3451
Sr 216.596	-0.3109u	-0.1247u	0.3229
Ti 334.941	0.2822	0.1600	0.1977
Tl 190.794	3.9123	-2.6372u	-4.5437u
V 292.401	-0.0253u	-0.5834u	-0.5642u
Zn 206.200	0.2031	0.7477	0.0565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3406	ppb	0.4116	120.8	-90.1717
Al 308.215	-3.3505	ppb	0.8934	26.7	245.945
As 188.980	2.0168	ppb	1.8355	91.0	0.8391
B 249.678	9.8324	ppb	1.4576	14.8	288.572
Ba 389.178	0.1227	ppb	0.2539	207.0	-27.0039
Be 313.042	-0.0175	ppb	0.0104	59.5	-244.970
Ca 370.602	36.56	ppb	2.923	8.0	114.7
Cd 226.502	0.1121	ppb	0.1198	106.8	15.3010
Co 228.615	0.3743	ppb	0.0284	7.6	16.2682
Cr 267.716	-0.1644	ppb	0.2242	136.4	-4.5180
Cu 324.754	0.8908	ppb	0.7251	81.4	154.175
Fe 271.441	-4.4085	ppb	2.6385	59.9	-3.8883
K 766.491	3.1796	ppb	0.9180	28.9	365.978
Mg 279.078	-0.3213	ppb	2.7723	862.9	24.6685
Mn 257.610	-0.0622	ppb	0.0325	52.3	44.3952
Mo 202.032	0.1356	ppb	0.2638	194.5	10.1118
Na 330.237	206.017	ppb	219.998	106.8	10.6257
Ni 231.604	0.3825	ppb	1.8103	473.3	3.3201
Pb 220.353	-1.6169	ppb	1.8537	114.6	0.8491
Sb 206.834	-2.5909	ppb	2.8140	108.6	-0.9571
Se 196.026	0.0191	ppb	3.3849	17717.6	-1.1301
Sn 189.925	1.8184	ppb	2.3532	129.4	0.0926
Sr 216.596	-0.0376	ppb	0.3258	867.3	8.0251
Ti 334.941	0.2133	ppb	0.0626	29.3	-35.4601
Tl 190.794	-1.0895	ppb	4.4354	407.1	-1.9717
V 292.401	-0.3909	ppb	0.3168	81.0	-7.1295
Zn 206.200	0.3358	ppb	0.3642	108.5	2.8727

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

X (Samp) 3/27/2013, 10:37:46 AM Rack 4, Tube 41**Weight: 1** Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2488	0.0331	-0.0407u
Al 308.215	-3.8364u	-2.5675u	-1.4513u
As 188.980	3.3544	-2.7426u	-0.7805u
B 249.678	-3.7922u	-4.0126u	-6.1333u
Ba 389.178	-0.3048u	0.8333	0.4037
Be 313.042	-0.0128u	-0.0159u	-0.0143u
Ca 370.602	2.304	0.4831	-4.319u
Cd 226.502	0.0510	0.1688	-0.0444u
Co 228.615	0.5980	0.6604	0.0460
Cr 267.716	-0.1916u	-0.0709u	-0.2778u
Cu 324.754	-0.7814u	0.1954	-0.4184u
Fe 271.441	-3.9746u	5.2308	-1.4244u
K 766.491	1.2260	1.2781	0.5649
Mg 279.078	1.9544	1.4557	2.4032
Mn 257.610	-0.0390u	0.0065	-0.0029u
Mo 202.032	0.0815	-0.6836u	1.0518
Na 330.237	172.625	-132.784u	13.2588
Ni 231.604	1.8265	-0.9216u	-0.1955u
Pb 220.353	-1.2967u	2.6225	-2.3564u
Sb 206.834	-2.0068u	-2.8719u	3.3708
Se 196.026	3.9539	2.2815	1.9646
Sn 189.925	4.8544	2.2406	0.4912
Sr 216.596	0.7826	-0.5240u	0.2536
Ti 334.941	0.0614	0.0693	0.0003
Tl 190.794	4.4225	-3.8759u	-0.8327u
V 292.401	-0.1599u	-0.4257u	-0.3869u
Zn 206.200	-0.7835u	-1.6074u	0.3062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0804	ppb	0.1505	187.1	-60.5427
Al 308.215	-2.6184	ppb	1.1934	45.6	250.233
As 188.980	-0.0562	ppb	3.1123	5537.0	-0.4442
B 249.678	-4.6460	ppb	1.2927	27.8	151.892
Ba 389.178	0.3107	ppb	0.5747	185.0	-22.3437
Be 313.042	-0.0144	ppb	0.0016	10.9	-238.886
Ca 370.602	-0.5104	ppb	3.421	670.3	-8.132
Cd 226.502	0.0585	ppb	0.1068	182.6	13.3041
Co 228.615	0.4348	ppb	0.3382	77.8	16.9679
Cr 267.716	-0.1801	ppb	0.1039	57.7	-5.2047
Cu 324.754	-0.3348	ppb	0.4938	147.5	93.7886
Fe 271.441	-0.0561	ppb	4.7528	8472.2	3.5231
K 766.491	1.0230	ppb	0.3976	38.9	257.345
Mg 279.078	1.9378	ppb	0.4740	24.5	29.3752
Mn 257.610	-0.0118	ppb	0.0240	203.1	56.0201
Mo 202.032	0.1499	ppb	0.8697	580.1	10.2061
Na 330.237	17.7000	ppb	152.753	863.0	0.9074
Ni 231.604	0.2365	ppb	1.4241	602.1	2.9385
Pb 220.353	-0.3435	ppb	2.6227	763.4	2.9519
Sb 206.834	-0.5026	ppb	3.3823	672.9	0.9882
Se 196.026	2.7333	ppb	1.0689	39.1	0.2046
Sn 189.925	2.5287	ppb	2.1958	86.8	0.6446
Sr 216.596	0.1707	ppb	0.6572	385.0	10.0512
Ti 334.941	0.0436	ppb	0.0378	86.5	-80.3592
Tl 190.794	-0.0954	ppb	4.1981	4401.8	-1.2891
V 292.401	-0.3241	ppb	0.1436	44.3	-5.2886
Zn 206.200	-0.6949	ppb	0.9598	618.1	893.2608

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

X (Samp) 3/27/2013, 10:43:15 AM Rack 4, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2196u	-0.1053u	-0.9911u
Al 308.215	-3.0128u	-7.5101u	-4.6018u
As 188.980	-2.0204u	2.5665	-6.3983u
B 249.678	-9.3478u	-9.9285u	-9.5976u
Ba 389.178	0.2604	0.6691	0.9626
Be 313.042	-0.0088u	-0.0058u	-0.0213u
Ca 370.602	-0.4946u	2.709	-3.399u
Cd 226.502	0.0343	-0.2531u	-0.0581u
Co 228.615	-0.2390u	0.2810	-0.5267u
Cr 267.716	0.0825	-0.2504u	-0.0241u
Cu 324.754	-1.0305u	-0.4049u	-0.2107u
Fe 271.441	-6.4298u	-3.2890u	0.4168
K 766.491	0.8216	1.1258	0.6366
Mg 279.078	-2.8021u	-0.0633u	1.7548
Mn 257.610	-0.1142u	-0.0740u	-0.0891u
Mo 202.032	-0.2293u	-0.6757u	-0.4880u
Na 330.237	191.984	-40.2410u	3.2570
Ni 231.604	0.9292	0.5178	-0.7415u
Pb 220.353	2.2364	-0.7920u	-0.0460u
Sb 206.834	-0.0120u	2.1977	-8.0011u
Se 196.026	6.8357	0.8137	-2.6076u
Sn 189.925	0.2193	-1.1462u	0.8433
Sr 216.596	-0.3084u	-0.2946u	-0.1570u
Ti 334.941	0.0016	0.0678	0.0350
Tl 190.794	10.3593	-4.2709u	2.6309
V 292.401	0.0390	-0.4228u	-0.6855u
Zn 206.200	-0.9538u	-0.4053u	-1.3745u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7720	ppb	0.5886	76.2	-120.529
Al 308.215	-5.0416	ppb	2.2807	45.2	236.052
As 188.980	-1.9507	ppb	4.4828	229.8	-1.6164
B 249.678	-9.6246	ppb	0.2913	3.0	104.902
Ba 389.178	0.6307	ppb	0.3527	55.9	-14.4605
Be 313.042	-0.0120	ppb	0.0082	68.7	-234.132
Ca 370.602	-0.3949	ppb	3.055	773.5	-7.162
Cd 226.502	-0.0923	ppb	0.1467	159.0	7.6191
Co 228.615	-0.1616	ppb	0.4094	253.4	9.9776
Cr 267.716	-0.0640	ppb	0.1700	265.7	-0.1362
Cu 324.754	-0.5487	ppb	0.4284	78.1	83.2347
Fe 271.441	-3.1007	ppb	3.4272	110.5	-1.6604
K 766.491	0.8613	ppb	0.2470	28.7	249.202
Mg 279.078	-0.3702	ppb	2.2939	619.6	24.5677
Mn 257.610	-0.0924	ppb	0.0203	22.0	37.4228
Mo 202.032	-0.4643	ppb	0.2241	48.3	6.1303
Na 330.237	51.6666	ppb	123.449	238.9	2.6668
Ni 231.604	0.2352	ppb	0.8705	370.1	2.9349
Pb 220.353	0.4661	ppb	1.5778	338.5	4.2897
Sb 206.834	-1.9385	ppb	5.3654	276.8	-0.3449
Se 196.026	1.6806	ppb	4.7809	284.5	-0.3131
Sn 189.925	-0.0279	ppb	1.0175	3646.8	-1.3426
Sr 216.596	-0.2533	ppb	0.0837	33.1	5.9357
Ti 334.941	0.0348	ppb	0.0331	95.1	-82.7085
Tl 190.794	2.9064	ppb	7.3190	251.8	0.7734
V 292.401	-0.3564	ppb	0.3668	102.9	-6.0878
Zn 206.200	-0.9112	ppb	0.4860	53.3	0.9228

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

CRI (Samp) 3/27/2013, 10:48:43 AM **Rack 4, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.1991	10.2249	11.5763
Al 308.215	207.542	206.604	207.191
As 188.980	15.5524	20.4315	22.6204
B 249.678	91.0879	92.0728	93.7681
Ba 389.178	10.6856	11.6795	10.5300
Be 313.042	4.2487	4.2080	4.2251
Ca 370.602	529.1	531.3	528.6
Cd 226.502	4.9404	5.0442	5.2017
Co 228.615	10.7898	10.8473	10.7455
Cr 267.716	9.6760	10.0856	10.0449
Cu 324.754	21.6139	20.7748	21.3660
Fe 271.441	63.5086	56.1126	49.2318
K 766.491	1054.10	1044.02	1050.50
Mg 279.078	532.895	521.886	523.658
Mn 257.610	11.0645	10.9716	11.0346
Mo 202.032	10.0883	9.4977	9.8581
Na 330.237	1024.13	1131.97	1150.39
Ni 231.604	42.5304	41.1502	42.4171
Pb 220.353	7.2968	11.2614	8.1961
Sb 206.834	22.4870	20.0531	22.2141
Se 196.026	23.2238	17.6136	16.7461
Sn 189.925	53.4294	51.2990	49.3043
Sr 216.596	10.4674	10.3861	9.7873
Ti 334.941	10.1438	10.0560	10.0421
Tl 190.794	28.7344	25.8802	24.4393
V 292.401	9.9800	10.1057	10.5641
Zn 206.200	24.4302	23.5752	24.8363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6668	ppb	0.7878	7.4	683.950
Al 308.215	207.112	ppb	0.4738	0.2	1472.56
As 188.980	19.5348	ppb	3.6183	18.5	11.6808
B 249.678	92.3096	ppb	1.3557	1.5	1067.08
Ba 389.178	10.9650	ppb	0.6236	5.7	242.341
Be 313.042	4.2273	ppb	0.0205	0.5	8085.47
Ca 370.602	529.7	ppb	1.445	0.3	1738
Cd 226.502	5.0621	ppb	0.1315	2.6	201.536
Co 228.615	10.7942	ppb	0.0511	0.5	138.636
Cr 267.716	9.9355	ppb	0.2256	2.3	436.362
Cu 324.754	21.2516	ppb	0.4311	2.0	1157.62
Fe 271.441	56.2843	ppb	7.1400	12.7	101.136
K 766.491	1049.54	ppb	5.1054	0.5	53074.0
Mg 279.078	526.146	ppb	5.9112	1.1	1121.22
Mn 257.610	11.0236	ppb	0.0474	0.4	2600.69
Mo 202.032	9.8147	ppb	0.2977	3.0	74.3223
Na 330.237	1102.16	ppb	68.2018	6.2	56.5990
Ni 231.604	42.0326	ppb	0.7663	1.8	112.250
Pb 220.353	8.9181	ppb	2.0786	23.3	18.2245
Sb 206.834	21.5847	ppb	1.3334	6.2	21.6101
Se 196.026	19.1945	ppb	3.5164	18.3	8.3016
Sn 189.925	51.3442	ppb	2.0629	4.0	38.5891
Sr 216.596	10.2136	ppb	0.3714	3.6	107.013
Ti 334.941	10.0806	ppb	0.0551	0.5	2579.00
Tl 190.794	26.3513	ppb	2.1859	8.3	16.8697
V 292.401	10.2166	ppb	0.3075	3.0	288.840
Zn 206.200	24.2806	ppb	0.6437	2.7	40.2903

E03262013A.wvq. All Data Report 3/27/2013, 11:18:07 AM

Cont Calib Verif (CCV) 3/27/2013, 10:54:12 AM Rack 4, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.849	498.088	508.596
Al 308.215	4950.19	4964.99	4987.61
As 188.980	455.311	453.983	463.061
B 249.678	2455.19	2482.38	2509.74
Ba 389.178	4933.69	4947.94	4964.60
Be 313.042	487.755	488.049	491.271
Ca 370.602	4866	4891	4920
Cd 226.502	474.154	475.700	477.084
Co 228.615	489.937	493.145	493.074
Cr 267.716	4693.81	4704.87	4718.10
Cu 324.754	4813.50	4913.42	4871.27
Fe 271.441	4928.71	4938.79	4957.92
K 766.491	10091.6	10163.7	10209.1
Mg 279.078	4846.33	4855.45	4885.12
Mn 257.610	4915.83	4938.59	4947.33
Mo 202.032	475.733	477.826	479.973
Na 330.237	7378.74	7288.92	7542.83
Ni 231.604	2434.31	2451.36	2454.25
Pb 220.353	476.788	473.953	478.094
Sb 206.834	924.359	934.310	943.361
Se 196.026	4791.50	4816.21	4849.34
Sn 189.925	4961.52	4940.06	4962.86
Sr 216.596	2370.19	2375.57	2384.32
Ti 334.941	480.613	481.816	484.036
Tl 190.794	4781.33	4828.96	4862.42
V 292.401	4887.73	4902.39	4917.49
Zn 206.200	2407.78	2415.12	2426.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	503.178	ppb	5.2617	1.0	35282.7	100.63555
Al 308.215	4967.60	ppb	18.8434	0.4	29168.0	99.35196
As 188.980	457.452	ppb	4.9033	1.1	282.543	91.49035
B 249.678	2482.44	ppb	27.2718	1.1	23624.7	99.29751
Ba 389.178	4948.74	ppb	15.4738	0.3	122197	98.97486
Be 313.042	489.025	ppb	1.9506	0.4	959466	97.80499
Ca 370.602	4892	ppb	26.66	0.5	15993	97.84477
Cd 226.502	475.646	ppb	1.4661	0.3	17903.9	95.12923
Co 228.615	492.052	ppb	1.8322	0.4	5801.84	98.41039
Cr 267.716	4705.59	ppb	12.1589	0.3	205406	94.11186
Cu 324.754	4866.06	ppb	50.1644	1.0	239851	97.32128
Fe 271.441	4941.81	ppb	14.8383	0.3	8528.41	98.83615
K 766.491	10154.8	ppb	59.2548	0.6	511732	101.54824
Mg 279.078	4862.30	ppb	20.2813	0.4	10076.6	97.24599
Mn 257.610	4933.92	ppb	16.2627	0.3	1136450	98.67838
Mo 202.032	477.844	ppb	2.1202	0.4	3171.58	95.56880
Na 330.237	7403.50	ppb	128.751	1.7	358.665	98.71331
Ni 231.604	2446.64	ppb	10.7764	0.4	6401.18	97.86555
Pb 220.353	476.278	ppb	2.1168	0.4	789.993	95.25569
Sb 206.834	934.010	ppb	9.5045	1.0	915.065	93.40099
Se 196.026	4819.02	ppb	29.0223	0.6	2369.63	96.38035
Sn 189.925	4954.81	ppb	12.7960	0.3	3850.02	99.09623
Sr 216.596	2376.69	ppb	7.1295	0.3	23111.2	95.06770
Ti 334.941	482.155	ppb	1.7367	0.4	127575	96.43102
Tl 190.794	4824.24	ppb	40.7517	0.8	3309.29	96.48475
V 292.401	4902.54	ppb	14.8839	0.3	137505	98.05074
Zn 206.200	2416.58	ppb	9.6258	0.4	2767.14	96.66338

Cont Calib Blank (CCB) 3/27/2013, 10:59:41 AM Rack 4, Tube 50
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0310	-0.1955u	-0.1762u
Al 308.215	-3.7213u	-2.8554u	-3.2194u
As 188.980	-4.9692u	-0.1240u	-0.4625u
B 249.678	48.6577	43.8158	38.0747
Ba 389.178	0.3237	-0.4184u	0.4439
Be 313.042	-0.0137u	-0.0090u	-0.0108u
Ca 370.602	4.409	1.900	-1.308u
Cd 226.502	-0.0673u	-0.1046u	0.0328
Co 228.615	0.1328	0.2580	0.5543
Cr 267.716	-0.1872u	-0.0933u	0.1287
Cu 324.754	-0.6113u	-0.0500u	-0.2835u
Fe 271.441	-4.5631u	5.2239	0.3081
K 766.491	0.1589	0.1456	0.5675
Mg 279.078	-4.5810u	-1.1242u	-0.6934u
Mn 257.610	-0.0427u	-0.0427u	-0.0398u
Mo 202.032	-0.0997u	0.3289	0.7436
Na 330.237	20.3158	-107.570u	92.8319
Ni 231.604	0.9132	-1.0666u	-1.8299u
Pb 220.353	-0.4029u	-4.2432u	1.0721
Sb 206.834	-0.1836u	2.4635	1.9181
Se 196.026	6.1399	4.0518	3.7994
Sn 189.925	5.4771	0.2204	-3.2414u
Sr 216.596	0.2271	0.1582	-0.0685u
Ti 334.941	0.0798	0.0439	0.0904
Tl 190.794	1.4578	4.5857	3.2689
V 292.401	-0.4757u	0.1569	-0.0339u
Zn 206.200	-1.1853u	-0.0239u	-0.1842u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1135	ppb	0.1255	110.6	-74.2024	-0.11355
Al 308.215	-3.2654	ppb	0.4348	13.3	246.414	-3.26538
As 188.980	-1.8519	ppb	2.7050	146.1	-1.5554	-1.85190
B 249.678	43.5161	ppb	5.2979	12.2	606.531	43.51608
Ba 389.178	0.1164	ppb	0.4671	401.3	-27.1542	0.11641
Be 313.042	-0.0112	ppb	0.0024	21.4	-232.607	-0.01119
Ca 370.602	1.667	ppb	2.866	171.9	-0.9317	1.66695
Cd 226.502	-0.0464	ppb	0.0710	153.1	9.3609	-0.04639
Co 228.615	0.3150	ppb	0.2165	68.7	15.5717	0.31501
Cr 267.716	-0.0506	ppb	0.1623	320.5	0.4462	-0.05062
Cu 324.754	-0.3149	ppb	0.2820	89.5	94.7582	-0.31492
Fe 271.441	0.3229	ppb	4.8935	1515.3	4.1891	0.32294
K 766.491	0.2906	ppb	0.2398	82.5	220.455	0.29064
Mg 279.078	-2.1329	ppb	2.1311	99.9	20.8953	-2.13289
Mn 257.610	-0.0417	ppb	0.0017	4.0	49.1062	-0.04174
Mo 202.032	0.3243	ppb	0.4217	130.0	11.3628	0.32427
Na 330.237	1.8592	ppb	101.468	5457.6	0.0923	1.85919
Ni 231.604	-0.6611	ppb	1.4158	214.2	0.5910	-0.66110
Pb 220.353	-1.1913	ppb	2.7440	230.3	1.5522	-1.19131
Sb 206.834	1.3993	ppb	1.3977	99.9	2.7667	1.39931
Se 196.026	4.6637	ppb	1.2846	27.5	1.1538	4.66372
Sn 189.925	0.8187	ppb	4.3899	536.2	-0.6846	0.81870
Sr 216.596	0.1056	ppb	0.1546	146.4	9.4422	0.10561
Ti 334.941	0.0714	ppb	0.0243	34.1	-73.0295	0.07138
Tl 190.794	3.1041	ppb	1.5705	50.6	0.9089	3.10411
V 292.401	-0.1175	ppb	0.3245	276.1	0.5997	-0.11754
Zn 206.200	-0.4645	ppb	0.6294	135.5	1.6215	-0.46445

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Blank (Blk)	3/27/2013, 3:18:06 PM		Rack S, Tube 1
Label	Replicates	Concentration	
Ag 328.068	0.0747	-0.5371	0.4624
Al 308.215	-0.2996	-2.3460	2.6456
As 188.980	-1.4408	5.3188	-3.8779
B 249.678	2.1259	0.4011	-2.5270
Ba 389.178	0.9854	-0.0503	-0.9351
Be 313.042	-0.0021	0.0044	-0.0023
Ca 370.602	2.142	-0.9956	-1.147
Cd 226.502	0.0282	0.0284	-0.0566
Co 228.615	0.0377	0.7600	-0.7977
Cr 267.716	0.0819	0.0492	-0.1311
Cu 324.754	0.1628	-0.3454	0.1825
Fe 271.441	-4.3089	-1.1309	5.4398
K 766.491	0.2572	0.2560	-0.5131
Mg 279.078	-4.7187	3.5017	1.2169
Mn 257.610	0.0174	0.0051	-0.0225
Mo 202.032	0.4488	-0.0211	-0.4278
Na 330.237	103.700	-96.3695	-7.3302
Ni 231.604	0.3181	-0.3253	0.0073
Pb 220.353	1.7556	-0.0944	-1.6612
Sb 206.834	-0.8849	0.8823	0.0026
Se 196.026	-0.7113	0.9904	-0.2791
Sn 189.925	-2.0506	2.1078	-0.0573
Sr 216.596	-0.1872	-0.0902	0.2773
Ti 334.941	0.0377	0.0129	-0.0506
Tl 190.794	5.0586	0.2043	-5.2630
V 292.401	-0.2199	0.1199	0.0999
Zn 206.200	0.0849	0.2872	-0.3721

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	35.222	110.0	-32.0106
Al 308.215	0.0000	ppb	14.367	5.9	243.732
As 188.980	0.0000	ppb	2.587	124.9	2.0709
B 249.678	0.0000	ppb	21.544	6.0	358.388
Ba 389.178	0.0000	ppb	22.999	125.2	-18.3770
Be 313.042	0.0000	ppb	7.328	4.2	-172.658
Ca 370.602	0.0000	ppb	5.993	156.9	-3.820
Cd 226.502	0.0000	ppb	1.745	13.4	13.0021
Co 228.615	0.0000	ppb	8.916	65.2	13.6790
Cr 267.716	0.0000	ppb	4.794	51.0	9.4011
Cu 324.754	0.0000	ppb	14.448	13.4	107.766
Fe 271.441	0.0000	ppb	8.333	332.8	2.5035
K 766.491	0.0000	ppb	21.810	9.7	225.274
Mg 279.078	0.0000	ppb	8.642	39.6	21.8041
Mn 257.610	0.0000	ppb	4.643	6.5	71.6681
Mo 202.032	0.0000	ppb	2.832	18.5	15.2787
Na 330.237	0.0000	ppb	5.090	133.8	-3.8035
Ni 231.604	0.0000	ppb	0.761	80.1	0.9499
Pb 220.353	0.0000	ppb	2.752	111.2	2.4755
Sb 206.834	0.0000	ppb	0.844	65.5	1.2881
Se 196.026	0.0000	ppb	0.405	242.2	0.1674
Sn 189.925	0.0000	ppb	1.573	193.2	0.8139
Sr 216.596	0.0000	ppb	2.308	22.0	10.4953
Ti 334.941	0.0000	ppb	11.616	38.6	-30.0828
Tl 190.794	0.0000	ppb	3.409	1317.8	-0.2587
V 292.401	0.0000	ppb	5.245	92.0	-5.7020
Zn 206.200	0.0000	ppb	0.512	18.6	2.7606

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

HIGH STD (Std) **3/27/2013, 3:23:32 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	992.818	1002.79	1004.39
Al 308.215	10009.5	10016.7	9973.86
As 188.980	1001.86	1013.28	984.867
B 249.678	4957.29	5005.21	5037.50
Ba 389.178	10017.2	10013.1	9969.75
Be 313.042	1001.72	999.424	998.856
Ca 370.602	10022	10015	9964
Cd 226.502	1000.02	1000.92	999.067
Co 228.615	1000.04	1002.63	997.327
Cr 267.716	10035.8	10006.9	9957.38
Cu 324.754	10013.9	10011.0	9975.07
Fe 271.441	9994.12	10003.7	10002.1
K 766.491	20034.9	20032.0	19933.1
Mg 279.078	10007.6	10001.6	9990.77
Mn 257.610	10011.4	10002.8	9985.77
Mo 202.032	1001.94	1000.64	997.418
Na 330.237	14892.2	15216.5	14891.3
Ni 231.604	5012.51	5000.44	4987.04
Pb 220.353	1003.13	995.390	1001.48
Sb 206.834	5025.96	4996.51	4977.53
Se 196.026	9988.77	10038.7	9972.52
Sn 189.925	10019.2	9989.25	9991.57
Sr 216.596	5021.35	5000.86	4977.79
Ti 334.941	1004.25	1000.97	994.774
Tl 190.794	10011.6	10013.9	9974.53
V 292.401	10027.8	9998.73	9973.44
Zn 206.200	4996.81	5003.61	4999.57

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	438.290	0.6	69862.6
Al 308.215	10000.0	ppb	131.253	0.2	57498.5
As 188.980	1000.00	ppb	7.761	1.4	544.985
B 249.678	5000.00	ppb	369.634	0.8	46154.0
Ba 389.178	10000.0	ppb	628.812	0.3	239258
Be 313.042	1000.00	ppb	2934.614	0.2	1935741
Ca 370.602	10000	ppb	102.394	0.3	32275
Cd 226.502	1000.00	ppb	32.922	0.1	35611.0
Co 228.615	1000.00	ppb	30.350	0.3	11450.6
Cr 267.716	10000.0	ppb	1657.154	0.4	418054
Cu 324.754	10000.0	ppb	1044.677	0.2	482924
Fe 271.441	10000.0	ppb	8.635	0.1	16762.6
K 766.491	20000.0	ppb	2844.130	0.3	981804
Mg 279.078	10000.0	ppb	17.407	0.1	20389.5
Mn 257.610	10000.0	ppb	2961.723	0.1	2267635
Mo 202.032	1000.00	ppb	15.031	0.2	6471.39
Na 330.237	15000.0	ppb	9.520	1.3	757.908
Ni 231.604	5000.00	ppb	30.113	0.3	11819.7
Pb 220.353	1000.00	ppb	6.558	0.4	1611.29
Sb 206.834	5000.00	ppb	23.307	0.5	4776.87
Se 196.026	10000.0	ppb	15.810	0.3	4583.48
Sn 189.925	10000.0	ppb	12.592	0.2	7562.81
Sr 216.596	5000.00	ppb	205.279	0.4	47104.9
Ti 334.941	1000.00	ppb	1227.705	0.5	255002
Tl 190.794	10000.0	ppb	14.578	0.2	6600.50
V 292.401	10000.0	ppb	748.787	0.3	275053
Zn 206.200	5000.00	ppb	5.191	0.1	7589.42

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Ag 328.068 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-32.0106	0.0000	0.0000	-	-
HIGH STD		69862.6	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 69.9 x + -32.0$ **Al 308.215 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		243.732	0.0000	0.0000	-	-
HIGH STD		57498.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 5.7 x + 243.7$ **As 188.980 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.0709	0.0000	0.0000	-	-
HIGH STD		544.985	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 0.5 x + 2.1$ **B 249.678 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		358.388	0.0000	0.0000	-	-
HIGH STD		46154.0	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: $y = 9.2 x + 358.4$ **Ba 389.178 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-18.3770	0.0000	0.0000	-	-
HIGH STD		239258	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 23.9 x + -18.4$ **Be 313.042 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-172.658	0.0000	0.0000	-	-
HIGH STD		1935741	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 1935.9 x + -172.7$ **Ca 370.602 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.820	0.0000	0.0000	-	-
HIGH STD		32275	10000	10000	0.0010	0.0

Curve Type: Linear Equation: $y = 3.2 x + -3.8$

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Cd 226.502 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.0021	0.0000	0.0000	-	-
HIGH STD		35611.0	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 35.6 x + 13.0$ **Co 228.615 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.6790	0.0000	0.0000	-	-
HIGH STD		11450.6	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 11.4 x + 13.7$ **Cr 267.716 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.4011	0.0000	0.0000	-	-
HIGH STD		418054	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 41.8 x + 9.4$ **Cu 324.754 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		107.766	0.0000	0.0000	-	-
HIGH STD		482924	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 48.3 x + 107.8$ **Fe 271.441 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.5035	0.0000	0.0000	-	-
HIGH STD		16762.6	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.7 x + 2.5$ **K 766.491 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		225.274	0.0000	0.0000	-	-
HIGH STD		981804	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: $y = 49.1 x + 225.3$ **Mg 279.078 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.8041	0.0000	0.0000	-	-
HIGH STD		20389.5	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 2.0 x + 21.8$

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Mn 257.610 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		71.6681	0.0000	0.0000	-	-
HIGH STD		2267635	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 226.8 x + 71.7$ **Mo 202.032 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.2787	0.0000	0.0000	-	-
HIGH STD		6471.39	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 6.5 x + 15.3$ **Na 330.237 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.8035	0.0000	0.0000	-	-
HIGH STD		757.908	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.1 x + -3.8$ **Ni 231.604 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.9499	0.0000	0.0000	-	-
HIGH STD		11819.7	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 2.4 x + 0.9$ **Pb 220.353 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.4755	0.0000	0.0000	-	-
HIGH STD		1611.29	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.6 x + 2.5$ **Sb 206.834 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.2881	0.0000	0.0000	-	-
HIGH STD		4776.87	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.0 x + 1.3$ **Se 196.026 Calibration (ppb) 3/27/2013, 3:23:32 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.1674	0.0000	0.0000	-	-
HIGH STD		4583.48	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + 0.2$

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Sn 189.925 Calibration (ppb) 3/27/2013, 3:23:32 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.8139	0.0000	0.0000	-	-
HIGH STD		7562.81	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.8 x + 0.8$ **Sr 216.596 Calibration (ppb)** 3/27/2013, 3:23:32 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.4953	0.0000	0.0000	-	-
HIGH STD		47104.9	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 9.4 x + 10.5$ **Ti 334.941 Calibration (ppb)** 3/27/2013, 3:23:32 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-30.0828	0.0000	0.0000	-	-
HIGH STD		255002	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 255.0 x + -30.1$ **Tl 190.794 Calibration (ppb)** 3/27/2013, 3:23:32 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.2587	0.0000	0.0000	-	-
HIGH STD		6600.50	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.7 x + -0.3$ **V 292.401 Calibration (ppb)** 3/27/2013, 3:23:32 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.7020	0.0000	0.0000	-	-
HIGH STD		275053	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 27.5 x + -5.7$ **Zn 206.200 Calibration (ppb)** 3/27/2013, 3:23:32 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.7606	0.0000	0.0000	-	-
HIGH STD		7589.42	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.5 x + 2.8$ **Lab Control Sample (LCS)** 3/27/2013, 3:28:56 PM **Rack S, Tube 2****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1011.80	1012.15	1005.89
Al 308.215	10005.1	9986.25	9998.57
As 188.980	1005.05	995.237	988.548
B 249.678	5079.35	5101.33x	5141.46x
Ba 389.178	10021.2	9998.42	10008.6

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Label	Replicates Concentration		
Be 313.042	1002.35	999.541	998.621
Ca 370.602	10017	9971	9983
Cd 226.502	1001.76	998.522	1003.30
Co 228.615	1002.25	996.357	1001.40
Cr 267.716	10055.1	10003.9	9991.15
Cu 324.754	9913.06	10057.0	9944.57
Fe 271.441	9975.86	9938.98	9992.47
K 766.491	20017.7	19986.2	20040.7
Mg 279.078	10008.4	9985.35	9997.37
Mn 257.610	10019.2	9963.52	10001.7
Mo 202.032	1005.79	1001.44	1002.62
Na 330.237	14979.1	15146.3	14954.4
Ni 231.604	5018.13	4995.69	5009.12
Pb 220.353	1005.23	1005.56	1007.52
Sb 206.834	5006.58x	4990.24x	4997.53
Se 196.026	10059.3	10043.7	10004.8
Sn 189.925	10057.8	10142.5x	10041.5
Sr 216.596	5036.48	5006.76	4991.69
Ti 334.941	1006.12	1001.19	998.976
Tl 190.794	10046.2	10011.1	10027.2
V 292.401	10018.0	9972.78	10015.1
Zn 206.200	5015.83	5017.16	5015.43

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1009.95b	ppb	3.5214	0.3	70447.4	100.99461
Al 308.215	9996.64b	ppb	9.5662	0.1	57433.7	99.96637
As 188.980	996.280b	ppb	8.3023	0.8	542.715	99.62795
B 249.678	5107.38xb	ppb	31.4899	0.6	47128.3	102.14759
Ba 389.178	10009.4b	ppb	11.4213	0.1	239552	100.09403
Be 313.042	1000.17b	ppb	1.9422	0.2	1935536	100.01701
Ca 370.602	9990b	ppb	23.57	0.2	31980	99.90405
Cd 226.502	1001.19b	ppb	2.4373	0.2	35676.8	100.11918
Co 228.615	1000.00b	ppb	3.1837	0.3	11468.0	100.00007
Cr 267.716	10016.7b	ppb	33.8210	0.3	418702	100.16703
Cu 324.754	9971.54b	ppb	75.6673	0.8	481483	99.71541
Fe 271.441	9969.11b	ppb	27.3754	0.3	16954.0	99.69106
K 766.491	20014.9b	ppb	27.3478	0.1	982533	100.07430
Mg 279.078	9997.05b	ppb	11.5381	0.1	20227.6	99.97048
Mn 257.610	9994.82b	ppb	28.4936	0.3	2266543	99.94821
Mo 202.032	1003.28b	ppb	2.2467	0.2	6475.36	100.32844
Na 330.237	15026.6b	ppb	104.425	0.7	711.845	100.17740
Ni 231.604	5007.65b	ppb	11.2921	0.2	11838.0	100.15298
Pb 220.353	1006.10b	ppb	1.2377	0.1	1620.89	100.61009
Sb 206.834	4998.12xb	ppb	8.1865	0.2	4865.40	99.96236
Se 196.026	10035.9b	ppb	28.0894	0.3	4602.27	100.35926
Sn 189.925	10080.6xb	ppb	54.2444	0.5	7623.77	100.80600
Sr 216.596	5011.64b	ppb	22.7911	0.5	47113.3	100.23283
Ti 334.941	1002.10b	ppb	3.6592	0.4	255578	100.20973
Tl 190.794	10028.2b	ppb	17.5555	0.2	6612.44	100.28154
V 292.401	10002.0b	ppb	25.3113	0.3	274310	100.01960
Zn 206.200	5016.14b	ppb	0.9086	0.0	7584.23	100.32281

Initial Calib Verif (ICV)

3/27/2013, 3:37:40 PM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1013.92x	1015.77x	1016.01x
Al 308.215	952.129	957.592	959.454

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Label	Replicates Concentration		
As 188.980	971.671	956.943	964.318
B 249.678	1084.11	1090.58	1094.73
Ba 389.178	1015.60	1016.63	1015.02
Be 313.042	1020.29x	1018.40x	1018.71x
Ca 370.602	993.2	984.0	989.2
Cd 226.502	1015.60x	1020.09x	1021.28x
Co 228.615	969.108	973.844	979.025
Cr 267.716	1000.59	997.563	995.313
Cu 324.754	1008.13	1010.84	1007.20
Fe 271.441	981.762	982.973	985.400
K 766.491	10340.8	10389.4	10021.6
Mg 279.078	1023.20	1026.07	1023.05
Mn 257.610	1027.18	1026.28	1027.31
Mo 202.032	1009.65x	1010.96x	1006.57x
Na 330.237	9973.97	9803.58	9926.42
Ni 231.604	1022.47	1023.98	1023.50
Pb 220.353	1026.67	1028.92	1018.15
Sb 206.834	1005.17	994.887	999.144
Se 196.026	991.945	995.038	1007.56
Sn 189.925	5089.39	5093.94	5050.66
Sr 216.596	4993.50	4977.56	4955.64
Ti 334.941	1006.77	1004.91	999.922
Tl 190.794	1026.92	1021.23	1032.06
V 292.401	1015.77	1015.64	1015.30
Zn 206.200	1003.28	1008.34	1002.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1015.23xb	ppb	1.1442	0.1	70727.9	101.52317
Al 308.215	956.391b	ppb	3.8071	0.4	5834.89	95.63914
As 188.980	964.311b	ppb	7.3643	0.8	525.370	96.43106
B 249.678	1089.81b	ppb	5.3519	0.5	10339.1	108.98093Q
Ba 389.178	1015.75b	ppb	0.8133	0.1	24297.9	101.57472
Be 313.042	1019.13xb	ppb	1.0138	0.1	1972575	101.91296
Ca 370.602	988.8b	ppb	4.649	0.5	3326	98.87948
Cd 226.502	1018.99xb	ppb	2.9913	0.3	36289.5	101.89894
Co 228.615	973.992b	ppb	4.9602	0.5	11145.2	97.39924
Cr 267.716	997.823b	ppb	2.6490	0.3	41711.8	99.78227
Cu 324.754	1008.72b	ppb	1.8936	0.2	48827.9	100.87218
Fe 271.441	983.378b	ppb	1.8524	0.2	1808.26	98.33784
K 766.491	10250.6b	ppb	199.835	1.9	503314	102.50599
Mg 279.078	1024.11b	ppb	1.7018	0.2	2091.69	102.41095
Mn 257.610	1026.92b	ppb	0.5582	0.1	232942	102.69230
Mo 202.032	1009.06xb	ppb	2.2551	0.2	6528.13	100.90575
Na 330.237	9901.33b	ppb	87.9217	0.9	483.584	99.01325
Ni 231.604	1023.31b	ppb	0.7705	0.1	2419.84	102.33147
Pb 220.353	1024.58b	ppb	5.6792	0.6	1648.89	102.45782
Sb 206.834	999.735b	ppb	5.1695	0.5	961.054	99.97353
Se 196.026	998.181b	ppb	8.2686	0.8	457.903	99.81813
Sn 189.925	5078.00b	ppb	23.7834	0.5	3840.80	101.55997
Sr 216.596	4975.57b	ppb	19.0083	0.4	46828.1	99.51134
Ti 334.941	1003.87b	ppb	3.5403	0.4	255992	100.38670
Tl 190.794	1026.74b	ppb	5.4180	0.5	676.819	102.67368
V 292.401	1015.57b	ppb	0.2400	0.0	27684.5	101.55709
Zn 206.200	1004.64b	ppb	3.2393	0.3	1524.17	100.46378

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Initial Calib Blank (ICB) 3/27/2013, 3:43:04 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7430u	-0.7949u	-0.8902u
Al 308.215	0.5314	2.8876	-0.2619u
As 188.980	8.1718	-2.3361u	1.3531
B 249.678	31.8723	28.7412	24.4897
Ba 389.178	0.4537	-0.7224u	-0.3850u
Be 313.042	-0.0170u	-0.0224u	-0.0209u
Ca 370.602	-0.4672u	1.557	-0.0919u
Cd 226.502	-0.1414u	-0.2386u	-0.1268u
Co 228.615	-0.0137u	-0.1591u	-0.8046u
Cr 267.716	-0.0807u	-0.1163u	0.0581
Cu 324.754	0.1876	0.0075	0.6830
Fe 271.441	3.8776	-7.8522u	3.9103
K 766.491	-0.1049u	0.2081	0.7481
Mg 279.078	3.9970	3.4378	6.1832
Mn 257.610	-0.0899u	-0.0462u	-0.0520u
Mo 202.032	0.0512	0.8557	0.5685
Na 330.237	101.979	43.1169	52.7701
Ni 231.604	-0.5025u	-0.7337u	-0.2710u
Pb 220.353	-1.4029u	-0.5152u	-1.7853u
Sb 206.834	8.7443	3.6371	5.6403
Se 196.026	-12.1898u	2.1362	-1.1599u
Sn 189.925	-1.9583u	-1.1313u	-3.1999u
Sr 216.596	0.7960	-1.1690u	0.1967
Ti 334.941	0.1651	0.1427	0.0334
Tl 190.794	-1.0085u	-0.0083u	2.1669
V 292.401	-0.1417u	0.0909	-0.0446u
Zn 206.200	0.4990	-0.5928u	2.3213

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8094	ppb	0.0747	9.2	-88.5863	-0.80939
Al 308.215	1.0524	ppb	1.6381	155.7	249.813	1.05237
As 188.980	2.3963	ppb	5.3310	222.5	3.3718	2.39626
B 249.678	28.3677	ppb	3.7055	13.1	618.211	28.36770
Ba 389.178	-0.2179	ppb	0.6056	277.9	-23.5772	-0.21789
Be 313.042	-0.0201	ppb	0.0028	14.0	-211.577	-0.02007
Ca 370.602	0.3326	ppb	1.077	323.7	-2.744	0.33261
Cd 226.502	-0.1689	ppb	0.0608	36.0	6.9894	-0.16892
Co 228.615	-0.3258	ppb	0.4210	129.2	9.9415	-0.32579
Cr 267.716	-0.0463	ppb	0.0921	199.0	7.4671	-0.04630
Cu 324.754	0.2927	ppb	0.3498	119.5	121.911	0.29272
Fe 271.441	-0.0214	ppb	6.7817	31647.4	2.3927	-0.02143
K 766.491	0.2838	ppb	0.4315	152.1	239.201	0.28376
Mg 279.078	4.5393	ppb	1.4508	32.0	31.0504	4.53935
Mn 257.610	-0.0627	ppb	0.0237	37.8	57.4735	-0.06270
Mo 202.032	0.4918	ppb	0.4077	82.9	18.4538	0.49179
Na 330.237	65.9552	ppb	31.5683	47.9	-0.4622	65.95520
Ni 231.604	-0.5024	ppb	0.2314	46.1	-0.2377	-0.50243
Pb 220.353	-1.2345	ppb	0.6516	52.8	0.4890	-1.23447
Sb 206.834	6.0072	ppb	2.5733	42.8	7.0195	6.00721
Se 196.026	-3.7378	ppb	7.5029	200.7	-1.5458	-3.73785
Sn 189.925	-2.0965	ppb	1.0412	49.7	-0.7714	-2.09650
Sr 216.596	-0.0588	ppb	1.0071	1714.0	9.9229	-0.05876
Ti 334.941	0.1137	ppb	0.0705	62.0	-1.0555	0.11375
Tl 190.794	0.3834	ppb	1.6235	423.5	-0.0059	0.38337
V 292.401	-0.0318	ppb	0.1168	367.3	-6.6509	-0.03180
Zn 206.200	0.7425	ppb	1.4722	198.3	3.8874	0.74247

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CRI (CRI) **3/27/2013, 3:48:28 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	10.0089	10.4262	9.1354
Al 308.215	214.674	213.039	210.828
As 188.980	21.4287	25.9302	19.7003
B 249.678	100.883	101.615	98.6208
Ba 389.178	10.7906	9.8379	9.4057
Be 313.042	4.2238	4.2542	4.1841
Ca 370.602	532.3	530.7	521.3
Cd 226.502	5.2556	5.0980	5.0063
Co 228.615	10.0904	10.3843	10.7250
Cr 267.716	10.3579	10.3269	10.0130
Cu 324.754	20.5950	20.9082	21.3168
Fe 271.441	53.7705	61.8740	56.8586
K 766.491	1055.75	1062.11	1055.85
Mg 279.078	534.397	533.552	528.911
Mn 257.610	10.8861	11.0567	10.7898
Mo 202.032	9.5197	10.4887	9.1761
Na 330.237	1207.72	942.654	951.460
Ni 231.604	42.0544	44.0798	41.3263
Pb 220.353	9.9444	9.9977	10.2413
Sb 206.834	17.8557	22.1989	20.0099
Se 196.026	19.7252	16.4052	18.3513
Sn 189.925	51.0796	52.9600	50.3127
Sr 216.596	10.9510	9.9641	9.2808
Ti 334.941	10.3027	10.3374	10.1202
Tl 190.794	24.0651	24.9074	28.2892
V 292.401	10.6868	10.7257	10.3001
Zn 206.200	23.6233	24.8565	24.0283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.8568	ppb	0.6587	6.7	656.598	98.56843
Al 308.215	212.847	ppb	1.9303	0.9	1463.45	106.42347
As 188.980	22.3531	ppb	3.2162	14.4	14.2079	111.76531
B 249.678	100.373	ppb	1.5609	1.6	1277.67	100.37298
Ba 389.178	10.0114	ppb	0.7086	7.1	222.761	100.11402
Be 313.042	4.2207	ppb	0.0351	0.8	7996.39	105.51789
Ca 370.602	528.1	ppb	5.922	1.1	1699	105.62134
Cd 226.502	5.1200	ppb	0.1261	2.5	195.386	102.39992
Co 228.615	10.3999	ppb	0.3176	3.1	132.564	103.99879
Cr 267.716	10.2326	ppb	0.1908	1.9	437.122	102.32597
Cu 324.754	20.9400	ppb	0.3620	1.7	1118.95	104.70007
Fe 271.441	57.5010	ppb	4.0898	7.1	100.546	115.00201
K 766.491	1057.90	ppb	3.6468	0.3	52146.1	105.79039
Mg 279.078	532.287	ppb	2.9536	0.6	1105.73	106.45734
Mn 257.610	10.9109	ppb	0.1352	1.2	2548.85	109.10876
Mo 202.032	9.7282	ppb	0.6807	7.0	78.0649	97.28174
Na 330.237	1033.94	ppb	150.558	14.6	48.4303	103.39447
Ni 231.604	42.4868	ppb	1.4268	3.4	101.379	106.21703
Pb 220.353	10.0611	ppb	0.1583	1.6	18.6397	100.61118
Sb 206.834	20.0215	ppb	2.1716	10.8	20.4260	100.10751
Se 196.026	18.1605	ppb	1.6682	9.2	8.4936	90.80273
Sn 189.925	51.4508	ppb	1.3621	2.6	39.7215	102.90154
Sr 216.596	10.0653	ppb	0.8397	8.3	104.442	100.65305
Ti 334.941	10.2534	ppb	0.1167	1.1	2587.01	102.53434
Tl 190.794	25.7539	ppb	2.2357	8.7	16.7329	103.01563
V 292.401	10.5708	ppb	0.2353	2.2	282.724	105.70834
Zn 206.200	24.1694	ppb	0.6286	2.6	29.4073	120.84688R

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Interf Check A (ICSA) 3/27/2013, 3:53:54 PM Rack S, Tube 5

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4040u	-0.4785u	-0.4842u
Al 308.215	542572	542723	541634
As 188.980	-7.1789u	-0.4819	1.8931
B 249.678	-23.4655u	-26.6537u	-26.1737u
Ba 389.178	2.6441	2.5196	1.8370
Be 313.042	-0.1583u	-0.1603u	-0.1606u
Ca 370.602	506595	504449	504277
Cd 226.502	-0.2230	0.0692	0.1698
Co 228.615	-0.4286u	0.4009u	0.4378u
Cr 267.716	0.6303	0.3350	0.7865
Cu 324.754	0.7809	0.5462	-0.2345
Fe 271.441	201067	201238	201119
K 766.491	3.6344	4.0539	4.1940
Mg 279.078	555378	555017	555846
Mn 257.610	0.6327	0.5963	0.6968
Mo 202.032	0.2028u	-0.1900u	2.5388
Na 330.237	-665.132u	-146.327u	-365.130u
Ni 231.604	2.1522	3.7539	2.0262
Pb 220.353	0.3703u	6.6093	3.3541u
Sb 206.834	12.7504	-1.0350	10.3490
Se 196.026	-16.4494u	6.9275	-20.1123u
Sn 189.925	6.6496	-10.5329u	-0.7989u
Sr 216.596	2.3191	1.9988	1.0170
Ti 334.941	0.1200	0.1906	0.0491
Tl 190.794	-2.3159u	4.6937u	-0.8743u
V 292.401	-3.3453u	-3.1194u	-3.2804u
Zn 206.200	18.1688	15.8425	22.6216

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4556	ppb	0.0447	9.8	-71.0174	-0.45555
Al 308.215	542309	ppb	590.184	0.1	3105221	-
As 188.980	-1.9225	ppb	4.7045	244.7	2.9253	-1.92254
B 249.678	-25.4310	ppb	1.7190	6.8	-58.5345	-25.43095
Ba 389.178	2.3335	ppb	0.4345	18.6	1834.39	2.33355
Be 313.042	-0.1597	ppb	0.0012	0.8	-275.496	-0.15975
Ca 370.602	505107	ppb	1291	0.3	1613814	-
Cd 226.502	0.0053	ppb	0.2041	3815.7	487.185	0.00535
Co 228.615	0.1367	ppb	0.4899	358.4	8.6475	0.13669
Cr 267.716	0.5839	ppb	0.2293	39.3	79.9684	0.58391
Cu 324.754	0.3642	ppb	0.5316	146.0	183.000	0.36418
Fe 271.441	201141	ppb	87.3085	0.0	337117	-
K 766.491	3.9608	ppb	0.2912	7.4	419.663	3.96075
Mg 279.078	555414	ppb	415.525	0.1	1131149	-
Mn 257.610	0.6419	ppb	0.0509	7.9	3814.67	0.64193
Mo 202.032	0.8505	ppb	1.4752	173.4	11.7855	0.85053
Na 330.237	-392.196	ppb	260.459	66.4	-83.5548	-392.19629
Ni 231.604	2.6441	ppb	0.9632	36.4	11.1435	2.64412
Pb 220.353	3.4446	ppb	3.1205	90.6	-1.5614	3.44459
Sb 206.834	7.3548	ppb	7.3643	100.1	12.6930	7.35478
Se 196.026	-9.8781	ppb	14.6689	148.5	-3.8093	-9.87808
Sn 189.925	-1.5608	ppb	8.6166	552.1	-0.1803	-1.56076
Sr 216.596	1.7783	ppb	0.6785	38.2	143.686	1.77827
Ti 334.941	0.1199	ppb	0.0707	59.0	2332.90	0.11990
Tl 190.794	0.5012	ppb	3.7017	738.6	-6.7725	0.50118
V 292.401	-3.2484	ppb	0.1163	3.6	-92.1559	-3.24838
Zn 206.200	18.8777	ppb	3.4447	18.2	352972	18.87766

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Interf Check AB (ICSAB) 3/27/2013, 3:59:20 PM Rack S, Tube 6
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	228.834	229.810	209.443
Al 308.215	544452	544672	479368
As 188.980	120.955	115.800	95.0145
B 249.678	-37.1515u	-37.1237u	-33.7347u
Ba 389.178	533.459	533.380	463.275
Be 313.042	512.557	513.532	453.391
Ca 370.602	510252	508933	434659
Cd 226.502	1012.93	1011.14	887.079
Co 228.615	498.621	499.289	457.698
Cr 267.716	516.826	516.769	452.026
Cu 324.754	558.553	556.065	505.172
Fe 271.441	202445	202209	178426
K 766.491	3.5954	3.2256	3.0433
Mg 279.078	562321	562176	496252
Mn 257.610	511.271	510.641	447.464
Mo 202.032	1105.75	1106.53	973.753
Na 330.237	-332.238u	-303.108u	-254.891u
Ni 231.604	997.673	987.981	862.791
Pb 220.353	41.8379	47.5433	42.1120
Sb 206.834	656.891	649.692	563.338
Se 196.026	44.2192	39.3416	52.3270
Sn 189.925	1083.94	1084.50	951.461
Sr 216.596	3.6702	2.6766	1.3594
Ti 334.941	-6.1621	-6.0476	-6.5570
Tl 190.794	98.0225	110.119	95.5207
V 292.401	514.923	514.082	453.659
Zn 206.200	993.033	991.535	874.088

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	222.696	ppb	11.4875	5.2	15531.2	111.34796
Al 308.215	522831	ppb	37640.2	7.2	2993827	104.56612
As 188.980	110.590	ppb	13.7328	12.4	63.6729	110.58990
B 249.678	-36.0033	ppb	1.9647	5.5	-149.051	-
Ba 389.178	510.038	ppb	40.4980	7.9	13938.0	102.00752
Be 313.042	493.160	ppb	34.4446	7.0	954554	98.63200
Ca 370.602	484615	ppb	43268	8.9	1548254	96.92290
Cd 226.502	970.383	ppb	72.1484	7.4	35014.4	97.03828
Co 228.615	485.203	ppb	23.8220	4.9	5522.13	97.04055
Cr 267.716	495.207	ppb	37.3957	7.6	20745.4	99.04139
Cu 324.754	539.930	ppb	30.1268	5.6	26255.5	107.98601
Fe 271.441	194360	ppb	13800.0	7.1	325829	97.17999
K 766.491	3.2881	ppb	0.2813	8.6	386.649	-
Mg 279.078	540250	ppb	38102.9	7.1	1100261	108.04993
Mn 257.610	489.792	ppb	36.6586	7.5	114630	97.95836
Mo 202.032	1062.01	ppb	76.4368	7.2	6862.26	106.20133
Na 330.237	-296.746	ppb	39.0639	13.2	-83.4861	-
Ni 231.604	949.482	ppb	75.2328	7.9	2249.10	94.94818
Pb 220.353	43.8311	ppb	3.2178	7.3	62.3463	87.66211
Sb 206.834	623.307	ppb	52.0593	8.4	595.620	103.88453
Se 196.026	45.2959	ppb	6.5593	14.5	21.5719	90.59187
Sn 189.925	1039.97	ppb	76.6471	7.4	787.414	103.99652
Sr 216.596	2.5687	ppb	1.1591	45.1	99.3237	-
Ti 334.941	-6.2556	ppb	0.2672	4.3	642.829	-
Tl 190.794	101.221	ppb	7.8069	7.7	59.4979	101.22067
V 292.401	494.222	ppb	35.1304	7.1	13353.0	98.84431
Zn 206.200	952.885	ppb	68.2449	7.2	1450.87	95.28853

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Cont Calib Verif (CCV) 3/27/2013, 4:12:22 PM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.275	496.062	495.275
Al 308.215	4986.37	4990.15	4974.70
As 188.980	474.987	473.113	468.200
B 249.678	2487.88	2520.94	2531.35
Ba 389.178	4931.76	4940.30	4920.07
Be 313.042	491.146	490.786	489.649
Ca 370.602	4961	4960	4936
Cd 226.502	491.909	493.123	491.441
Co 228.615	496.021	496.903	495.011
Cr 267.716	4925.16	4920.47	4910.22
Cu 324.754	4939.88	4883.22	4865.72
Fe 271.441	4933.78	4956.97	4927.92
K 766.491	10108.7	10151.1	10067.7
Mg 279.078	4951.38	4950.60	4935.41
Mn 257.610	4942.33	4958.42	4939.19
Mo 202.032	489.994	490.579	489.327
Na 330.237	7360.00	7234.91	7284.54
Ni 231.604	2488.43	2484.67	2482.02
Pb 220.353	494.512	495.199	493.564
Sb 206.834	913.983	921.544	910.832
Se 196.026	4938.49	4923.36	4905.91
Sn 189.925	5035.90	5107.34	4991.22
Sr 216.596	2479.06	2471.80	2463.45
Ti 334.941	497.896	497.581	494.977
Tl 190.794	4975.39	4977.67	4974.25
V 292.401	4914.54	4928.76	4902.07
Zn 206.200	2457.51	2456.25	2457.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.204	ppb	4.4093	0.9	34736.1	99.64081
Al 308.215	4983.74	ppb	8.0527	0.2	28754.8	99.67483
As 188.980	472.100	ppb	3.5051	0.7	258.259	94.41999
B 249.678	2513.39	ppb	22.6972	0.9	23374.3	100.53571
Ba 389.178	4930.71	ppb	10.1559	0.2	117996	98.61423
Be 313.042	490.527	ppb	0.7815	0.2	949184	98.10537
Ca 370.602	4952	ppb	13.94	0.3	15849	99.04597
Cd 226.502	492.158	ppb	0.8685	0.2	17544.5	98.43156
Co 228.615	495.978	ppb	0.9467	0.2	5694.81	99.19563
Cr 267.716	4918.62	ppb	7.6395	0.2	205605	98.37234
Cu 324.754	4896.27	ppb	38.7642	0.8	236475	97.92546
Fe 271.441	4939.56	ppb	15.3641	0.3	8401.59	98.79113
K 766.491	10109.1	ppb	41.6973	0.4	496371	101.09134
Mg 279.078	4945.79	ppb	9.0052	0.2	10018.1	98.91590
Mn 257.610	4946.65	ppb	10.3179	0.2	1121796	98.93293
Mo 202.032	489.967	ppb	0.6263	0.1	3170.09	97.99332
Na 330.237	7293.15	ppb	62.9922	0.9	343.286	97.24200
Ni 231.604	2485.04	ppb	3.2188	0.1	5875.08	99.40157
Pb 220.353	494.425	ppb	0.8212	0.2	797.819	98.88499
Sb 206.834	915.453	ppb	5.5052	0.6	919.980	91.54529
Se 196.026	4922.59	ppb	16.3040	0.3	2257.49	98.45172
Sn 189.925	5044.82	ppb	58.5688	1.2	3815.71	100.89642
Sr 216.596	2471.44	ppb	7.8068	0.3	23238.7	98.85741
Ti 334.941	496.818	ppb	1.6018	0.3	126695	99.36360
Tl 190.794	4975.77	ppb	1.7417	0.0	3280.83	99.51541
V 292.401	4915.12	ppb	13.3543	0.3	134799	98.30240
Zn 206.200	2457.00	ppb	0.6684	0.0	3716.31	98.28016

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Cont Calib Blank (CCB) 3/27/2013, 4:17:45 PM Rack 1, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5755u	-1.2042u	-1.2628u
Al 308.215	4.0911	2.4163	0.3132
As 188.980	-4.3597u	1.2412	-3.7659u
B 249.678	33.1899	26.8797	23.5593
Ba 389.178	-0.6428u	0.2733	-0.7682u
Be 313.042	-0.0196u	-0.0240u	-0.0222u
Ca 370.602	10.49	14.31	2.228
Cd 226.502	0.0968	0.0311	-0.0005u
Co 228.615	-0.2521u	-0.5164u	-0.1466u
Cr 267.716	0.0041	-0.0689u	0.0504
Cu 324.754	0.3928	-0.6286u	0.0165
Fe 271.441	3.6845	5.2936	6.4268
K 766.491	0.1754	-0.2627u	-0.0577u
Mg 279.078	1.8641	4.3310	5.8663
Mn 257.610	0.0077	-0.0786u	0.0096
Mo 202.032	0.0566	0.3556	-0.3727u
Na 330.237	182.025	-27.8124u	-16.1764u
Ni 231.604	-0.8769u	-0.2243u	0.8518
Pb 220.353	-0.3584u	3.0653	1.5693
Sb 206.834	5.9023	-0.1904u	7.0784
Se 196.026	-0.1788u	-1.3154u	9.8331
Sn 189.925	-0.9967u	3.0743	0.9417
Sr 216.596	0.4888	-0.4832u	-0.6452u
Ti 334.941	-0.1162u	-0.0454u	-0.1723u
Tl 190.794	5.6898	7.8314	-0.1577u
V 292.401	0.2537	0.3914	0.5643
Zn 206.200	-1.1967u	-0.5688u	-0.5923u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-1.3475	ppb	0.1996	14.8	-126.188	-1.34752
Al 308.215	2.2735	ppb	1.8930	83.3	256.704	2.27351
As 188.980	-2.2948	ppb	3.0767	134.1	0.8252	-2.29480
B 249.678	27.8763	ppb	4.8920	17.5	613.711	27.87630
Ba 389.178	-0.3792	ppb	0.5686	149.9	-27.4409	-0.37925
Be 313.042	-0.0219	ppb	0.0022	10.1	-215.022	-0.02190
Ca 370.602	9.009	ppb	6.175	68.5	25.31	9.00919
Cd 226.502	0.0425	ppb	0.0496	116.8	14.5117	0.04247
Co 228.615	-0.3050	ppb	0.1905	62.5	10.1959	-0.30502
Cr 267.716	-0.0048	ppb	0.0601	1253.1	9.1964	-0.00480
Cu 324.754	-0.0731	ppb	0.5166	706.9	104.227	-0.07307
Fe 271.441	5.1350	ppb	1.3780	26.8	11.0571	5.13498
K 766.491	-0.0483	ppb	0.2192	453.8	222.904	-0.04830
Mg 279.078	4.0205	ppb	2.0191	50.2	29.9924	4.02048
Mn 257.610	-0.0204	ppb	0.0504	246.7	67.0589	-0.02043
Mo 202.032	0.0132	ppb	0.3661	2775.6	15.3632	0.01319
Na 330.237	46.0122	ppb	117.934	256.3	-1.4601	46.01221
Ni 231.604	-0.0831	ppb	0.8730	1050.4	0.7534	-0.08311
Pb 220.353	1.4254	ppb	1.7164	120.4	4.7692	1.42537
Sb 206.834	4.2635	ppb	3.9017	91.5	5.3628	4.26346
Se 196.026	2.7797	ppb	6.1349	220.7	1.4414	2.77967
Sn 189.925	1.0064	ppb	2.0362	202.3	1.5750	1.00643
Sr 216.596	-0.2132	ppb	0.6133	287.7	8.4922	-0.21319
Ti 334.941	-0.1113	ppb	0.0636	57.1	-58.4524	-0.11132
Tl 190.794	4.4545	ppb	4.1353	92.8	2.6818	4.45448
V 292.401	0.4031	ppb	0.1556	38.6	5.4467	0.40312
Zn 206.200	-0.7860	ppb	0.3559	45.3	89.5684	-0.78597

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mb 680-270772/1-b (Samp) **3/27/2013, 4:23:09 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4044u	-0.3389u	-0.6266u
Al 308.215	1.9257	-0.4415u	4.3161
As 188.980	-2.2624u	1.0567	-5.5765u
B 249.678	-10.9670u	-10.8052u	-12.4196u
Ba 389.178	-0.6223u	0.0344	-0.9344u
Be 313.042	-0.0320u	-0.0323u	-0.0240u
Ca 370.602	8.021	5.605	8.248
Cd 226.502	0.0325	-0.1119u	0.0212
Co 228.615	0.5866	0.3022	-0.8810u
Cr 267.716	-0.1255u	-0.3400u	-0.1427u
Cu 324.754	0.1721	0.6671	0.1566
Fe 271.441	6.1072	7.8006	0.5950
K 766.491	1.2930	1.6375	0.5344
Mg 279.078	5.4200	3.5384	1.3927
Mn 257.610	0.0561	0.0786	0.0389
Mo 202.032	-0.8940u	-0.8321u	-1.1571u
Na 330.237	261.626	59.1548	80.2926
Ni 231.604	-0.0943u	1.2737	1.1168
Pb 220.353	1.6046	-0.0970u	-2.8526u
Sb 206.834	3.2674	1.8220	0.8237
Se 196.026	-4.9862u	0.8107	3.2903
Sn 189.925	-1.2037u	-0.1425u	-1.4088u
Sr 216.596	-0.4697u	-0.4669u	-0.1864u
Ti 334.941	-0.1894u	-0.2073u	-0.1451u
Tl 190.794	-2.2182u	1.3951	-0.1321u
V 292.401	0.6299	-0.0021	0.0210
Zn 206.200	2.7255	2.5984	1.6373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4566	ppb	0.1508	33.0	-63.9034
Al 308.215	1.9334	ppb	2.3788	123.0	254.689
As 188.980	-2.2608	ppb	3.3166	146.7	0.8438
B 249.678	-11.3972	ppb	0.8890	7.8	254.000
Ba 389.178	-0.5074	ppb	0.4945	97.5	-30.5142
Be 313.042	-0.0295	ppb	0.0047	16.0	-229.560
Ca 370.602	7.291	ppb	1.465	20.1	19.78
Cd 226.502	-0.0194	ppb	0.0803	413.8	12.3081
Co 228.615	0.0026	ppb	0.7783	29862.6	13.7318
Cr 267.716	-0.2028	ppb	0.1192	58.8	0.9252
Cu 324.754	0.3319	ppb	0.2904	87.5	123.769
Fe 271.441	4.8343	ppb	3.7677	77.9	10.5895
K 766.491	1.1550	ppb	0.5644	48.9	281.958
Mg 279.078	3.4504	ppb	2.0151	58.4	28.8301
Mn 257.610	0.0579	ppb	0.0199	34.4	84.8129
Mo 202.032	-0.9610	ppb	0.1726	18.0	9.0738
Na 330.237	133.691	ppb	111.298	83.2	2.9709
Ni 231.604	0.7654	ppb	0.7486	97.8	2.7590
Pb 220.353	-0.4484	ppb	2.2492	501.7	1.7553
Sb 206.834	1.9711	ppb	1.2287	62.3	3.1784
Se 196.026	-0.2951	ppb	4.2476	1439.5	0.0321
Sn 189.925	-0.9183	ppb	0.6797	74.0	0.1195
Sr 216.596	-0.3743	ppb	0.1628	43.5	6.9738
Ti 334.941	-0.1806	ppb	0.0320	17.7	-76.1347
Tl 190.794	-0.3184	ppb	1.8138	569.7	-0.4686
V 292.401	0.2163	ppb	0.3584	165.7	0.4203
Zn 206.200	2.3204	ppb	0.5950	25.6	6.2823

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ics 680-270772/2-b (Samp) 3/27/2013, 4:28:34 PM Rack 1, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.6181	9.5626	10.5068
Al 308.215	4834.60	4832.24	4824.30
As 188.980	103.796	97.7709	103.594
B 249.678	178.809	179.501	181.831
Ba 389.178	99.0608	100.319	99.5522
Be 313.042	50.3404	50.2226	50.1531
Ca 370.602	4823	4803	4802
Cd 226.502	50.5893	50.6498	50.5891
Co 228.615	49.8963	51.0252	50.3524
Cr 267.716	100.173	99.4565	100.199
Cu 324.754	100.596	97.9291	98.0428
Fe 271.441	4935.93	4934.23	4922.29
K 766.491	4975.97	4972.71	4969.58
Mg 279.078	4941.30	4933.62	4917.87
Mn 257.610	506.795	505.556	504.661
Mo 202.032	98.3667	98.4466	98.7440
Na 330.237	4738.57	4953.73	4674.74
Ni 231.604	100.414	101.565	99.0135
Pb 220.353	48.6425	48.5454	51.5140
Sb 206.834	49.4046	53.3834	43.2472
Se 196.026	98.0211	85.6817	99.6753
Sn 189.925	201.113	196.284	194.424
Sr 216.596	100.229	101.012	101.742
Ti 334.941	99.4175	99.0416	99.1894
Tl 190.794	37.9587	37.6613	37.2082
V 292.401	100.402	100.445	100.533
Zn 206.200	99.6731	99.3553	96.3235

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2291	ppb	0.5799	5.7	681.427
Al 308.215	4830.38	ppb	5.3951	0.1	27911.1
As 188.980	101.720	ppb	3.4216	3.4	57.2645
B 249.678	180.047	ppb	1.5832	0.9	2002.95
Ba 389.178	99.6440	ppb	0.6341	0.6	2387.18
Be 313.042	50.2387	ppb	0.0947	0.2	97066.7
Ca 370.602	4809	ppb	11.92	0.2	15146
Cd 226.502	50.6094	ppb	0.0350	0.1	1826.09
Co 228.615	50.4246	ppb	0.5679	1.1	589.681
Cr 267.716	99.9428	ppb	0.4214	0.4	4189.40
Cu 324.754	98.8560	ppb	1.5080	1.5	4883.75
Fe 271.441	4930.81	ppb	7.4332	0.2	8275.24
K 766.491	4972.75	ppb	3.1948	0.1	244283
Mg 279.078	4930.93	ppb	11.9455	0.2	10056.6
Mn 257.610	505.671	ppb	1.0717	0.2	114776
Mo 202.032	98.5191	ppb	0.1988	0.2	650.941
Na 330.237	4789.01	ppb	146.176	3.1	236.445
Ni 231.604	100.331	ppb	1.2778	1.3	238.202
Pb 220.353	49.5673	ppb	1.6866	3.4	82.0464
Sb 206.834	48.6784	ppb	5.1070	10.5	47.9588
Se 196.026	94.4594	ppb	7.6465	8.1	43.5905
Sn 189.925	197.274	ppb	3.4526	1.8	149.996
Sr 216.596	100.994	ppb	0.7566	0.7	959.330
Ti 334.941	99.2162	ppb	0.1894	0.2	25293.9
Tl 190.794	37.6094	ppb	0.3779	1.0	23.9316
V 292.401	100.460	ppb	0.0666	0.1	2733.68
Zn 206.200	98.4507	ppb	1.8490	1.9	151.883

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icsd 680-270772/3-b (Samp) 3/27/2013, 4:33:59 PM Rack 1, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.3406	10.0973	9.4986
Al 308.215	4870.60	4843.86	4876.32
As 188.980	104.698	97.0984	99.4124
B 249.678	179.372	180.140	183.725
Ba 389.178	100.628	100.078	99.5687
Be 313.042	50.6576	50.3695	50.7282
Ca 370.602	4857	4824	4842
Cd 226.502	50.6228	50.6996	51.1895
Co 228.615	50.0560	50.4521	50.3250
Cr 267.716	101.202	100.942	100.989
Cu 324.754	99.8806	100.932	97.0665
Fe 271.441	4973.01	4946.25	4978.13
K 766.491	4982.11	4964.48	5001.35
Mg 279.078	4956.72	4938.74	4978.98
Mn 257.610	510.595	508.290	511.591
Mo 202.032	99.3489	98.5777	99.8816
Na 330.237	4783.29	4796.38	4814.25
Ni 231.604	102.341	99.1222	100.047
Pb 220.353	52.4248	52.8654	50.7252
Sb 206.834	45.6639	45.5851	48.5821
Se 196.026	93.8074	95.0491	105.981
Sn 189.925	202.411	195.597	199.455
Sr 216.596	102.835	101.843	102.080
Ti 334.941	100.363	99.9055	100.562
Tl 190.794	41.5284	42.4422	35.9980
V 292.401	101.397	101.066	101.892
Zn 206.200	101.525	99.4796	100.636

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9788	ppb	0.4333	4.3	663.919
Al 308.215	4863.59	ppb	17.3251	0.4	28101.3
As 188.980	100.403	ppb	3.8954	3.9	56.5493
B 249.678	181.079	ppb	2.3237	1.3	2012.38
Ba 389.178	100.092	ppb	0.5297	0.5	2398.00
Be 313.042	50.5851	ppb	0.1900	0.4	97737.3
Ca 370.602	4841	ppb	16.67	0.3	15245
Cd 226.502	50.8373	ppb	0.3074	0.6	1834.28
Co 228.615	50.2777	ppb	0.2022	0.4	588.020
Cr 267.716	101.044	ppb	0.1384	0.1	4235.46
Cu 324.754	99.2929	ppb	1.9985	2.0	4904.85
Fe 271.441	4965.80	ppb	17.1232	0.3	8333.87
K 766.491	4982.64	ppb	18.4396	0.4	244768
Mg 279.078	4958.15	ppb	20.1598	0.4	10112.0
Mn 257.610	510.159	ppb	1.6933	0.3	115794
Mo 202.032	99.2694	ppb	0.6556	0.7	655.782
Na 330.237	4797.97	ppb	15.5386	0.3	236.867
Ni 231.604	100.503	ppb	1.6574	1.6	238.610
Pb 220.353	52.0051	ppb	1.1302	2.2	85.9681
Sb 206.834	46.6103	ppb	1.7080	3.7	45.9960
Se 196.026	98.2793	ppb	6.6990	6.8	45.3424
Sn 189.925	199.155	ppb	3.4170	1.7	151.418
Sr 216.596	102.252	ppb	0.5179	0.5	971.191
Ti 334.941	100.277	ppb	0.3369	0.3	25564.6
Tl 190.794	39.9896	ppb	3.4868	8.7	25.4974
V 292.401	101.452	ppb	0.4158	0.4	2760.86
Zn 206.200	100.547	ppb	1.0257	1.0	155.061

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ics 680-270772/4-b (Samp) 3/27/2013, 4:39:23 PM Rack 1, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	202.369	201.997	202.556
Al 308.215	1913.88	1918.50	1910.37
As 188.980	193.073	212.439	209.127
B 249.678	374.593	378.741	380.102
Ba 389.178	192.560	194.284	192.857
Be 313.042	199.433	200.175	199.313
Ca 370.602	19260	19368	19291
Cd 226.502	196.052	196.512	195.702
Co 228.615	195.179	194.455	195.751
Cr 267.716	195.995	197.091	196.127
Cu 324.754	196.990	196.801	197.377
Fe 271.441	20307.5	20339.8	20249.8
K 766.491	19421.5	19498.9	19427.4
Mg 279.078	19632.1	19716.9	19621.3
Mn 257.610	2008.04	2016.83	2005.11
Mo 202.032	196.682	197.258	194.230
Na 330.237	17327.1	17082.8	17328.9
Ni 231.604	195.401	195.190	194.818
Pb 220.353	197.111	196.850	192.077
Sb 206.834	190.789	191.446	191.950
Se 196.026	197.742	199.186	191.051
Sn 189.925	202.247	204.944	191.784
Sr 216.596	211.083	210.652	210.663
Ti 334.941	197.337	198.670	197.713
Tl 190.794	55.3658	39.5284	47.5710
V 292.401	197.342	197.421	196.470
Zn 206.200	183.772	184.546	183.298

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	202.307	ppb	0.2846	0.1	14108.8
Al 308.215	1914.25	ppb	4.0808	0.2	11226.0
As 188.980	204.880	ppb	10.3579	5.1	113.217
B 249.678	377.812	ppb	2.8696	0.8	3800.25
Ba 389.178	193.234	ppb	0.9219	0.5	4689.70
Be 313.042	199.640	ppb	0.4672	0.2	386278
Ca 370.602	19307	ppb	55.79	0.3	60732
Cd 226.502	196.089	ppb	0.4063	0.2	7040.74
Co 228.615	195.128	ppb	0.6497	0.3	2243.75
Cr 267.716	196.404	ppb	0.5986	0.3	8229.07
Cu 324.754	197.056	ppb	0.2935	0.1	9631.07
Fe 271.441	20299.0	ppb	45.5612	0.2	34055.5
K 766.491	19449.3	ppb	43.0750	0.2	954775
Mg 279.078	19656.8	ppb	52.3319	0.3	40030.0
Mn 257.610	2009.99	ppb	6.0992	0.3	456014
Mo 202.032	196.057	ppb	1.6083	0.8	1279.81
Na 330.237	17246.3	ppb	141.590	0.8	863.091
Ni 231.604	195.137	ppb	0.2951	0.2	462.586
Pb 220.353	195.346	ppb	2.8339	1.5	316.721
Sb 206.834	191.395	ppb	0.5824	0.3	185.366
Se 196.026	195.993	ppb	4.3406	2.2	90.5135
Sn 189.925	199.658	ppb	6.9516	3.5	151.808
Sr 216.596	210.799	ppb	0.2461	0.1	1995.88
Ti 334.941	197.907	ppb	0.6876	0.3	50524.3
Tl 190.794	47.4884	ppb	7.9191	16.7	28.5276
V 292.401	197.078	ppb	0.5274	0.3	5367.89
Zn 206.200	183.872	ppb	0.6299	0.3	281.319

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icsd 680-270772/5-b (Samp) 3/27/2013, 4:44:49 PM Rack 1, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	202.814	205.928	208.252
Al 308.215	1945.31	1937.51	1944.34
As 188.980	214.613	213.762	207.214
B 249.678	385.152	386.155	389.855
Ba 389.178	196.173	196.040	195.725
Be 313.042	202.772	201.729	202.877
Ca 370.602	19644	19550	19668
Cd 226.502	199.111	198.054	197.998
Co 228.615	200.228	196.640	200.851
Cr 267.716	199.562	199.160	199.586
Cu 324.754	197.838	197.441	201.820
Fe 271.441	20661.9	20519.8	20650.1
K 766.491	19806.5	19673.3	19782.7
Mg 279.078	19990.7	19878.4	19981.0
Mn 257.610	2041.76	2030.32	2042.58
Mo 202.032	199.164	196.573	199.433
Na 330.237	17710.8	17498.7	17973.7
Ni 231.604	200.543	198.018	196.041
Pb 220.353	197.828	199.027	200.502
Sb 206.834	202.736	199.986	189.528
Se 196.026	179.082	195.353	194.403
Sn 189.925	196.334	198.725	195.580
Sr 216.596	213.940	212.683	214.459
Ti 334.941	200.557	200.165	201.248
Tl 190.794	43.2469	47.8191	46.8764
V 292.401	200.938	198.284	200.358
Zn 206.200	183.321	184.141	186.225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	205.665	ppb	2.7281	1.3	14343.4
Al 308.215	1942.38	ppb	4.2524	0.2	11387.3
As 188.980	211.863	ppb	4.0483	1.9	117.008
B 249.678	387.054	ppb	2.4771	0.6	3884.62
Ba 389.178	195.979	ppb	0.2301	0.1	4756.65
Be 313.042	202.459	ppb	0.6345	0.3	391735
Ca 370.602	19620	ppb	62.20	0.3	61721
Cd 226.502	198.388	ppb	0.6273	0.3	7123.29
Co 228.615	199.239	ppb	2.2726	1.1	2290.77
Cr 267.716	199.436	ppb	0.2393	0.1	8355.95
Cu 324.754	199.033	ppb	2.4216	1.2	9726.64
Fe 271.441	20610.6	ppb	78.8812	0.4	34578.2
K 766.491	19754.2	ppb	71.0664	0.4	969739
Mg 279.078	19950.0	ppb	62.2470	0.3	40626.8
Mn 257.610	2038.22	ppb	6.8533	0.3	462417
Mo 202.032	198.390	ppb	1.5793	0.8	1294.85
Na 330.237	17727.7	ppb	237.981	1.3	887.420
Ni 231.604	198.201	ppb	2.2563	1.1	469.835
Pb 220.353	199.119	ppb	1.3390	0.7	322.791
Sb 206.834	197.417	ppb	6.9688	3.5	191.147
Se 196.026	189.613	ppb	9.1321	4.8	87.5965
Sn 189.925	196.880	ppb	1.6420	0.8	149.707
Sr 216.596	213.694	ppb	0.9129	0.4	2023.15
Ti 334.941	200.656	ppb	0.5483	0.3	51226.8
Tl 190.794	45.9808	ppb	2.4141	5.3	27.4962
V 292.401	199.860	ppb	1.3952	0.7	5443.86
Zn 206.200	184.562	ppb	1.4972	0.8	282.359

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680-88519-c-3-j (Samp) 3/27/2013, 4:50:25 PM Rack 1, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.0964u	-1.1858u	-1.9085u
Al 308.215	9307.02	9327.05	9334.49
As 188.980	-6.7015u	0.2053	-1.9641u
B 249.678	515.836	520.361	525.073
Ba 389.178	75.2893	74.0306	74.4961
Be 313.042	0.1587	0.1663	0.1738
Ca 370.602	114817	115284	115269
Cd 226.502	-0.1572	-0.1541	-0.0728
Co 228.615	1.1400	1.8734	1.0647
Cr 267.716	10.8462	10.9649	10.9201
Cu 324.754	6.5036	6.4950	6.3848
Fe 271.441	5280.31	5295.04	5259.37
K 766.491	12017.5	12003.0	11990.4
Mg 279.078	12022.7	12048.2	12062.7
Mn 257.610	844.461	846.221	845.762
Mo 202.032	0.0629	0.7214	0.8607
Na 330.237	19919.5	19753.6	19467.7
Ni 231.604	12.9630	15.8408	14.9874
Pb 220.353	6.5600	6.3869	9.9611
Sb 206.834	-4.2888u	2.9072	-1.7839u
Se 196.026	4.7323	0.9728	-1.7436u
Sn 189.925	-2.5388u	-0.2707u	2.9187
Sr 216.596	460.663	464.128	464.391
Ti 334.941	155.436	156.807	158.606
Tl 190.794	4.3704	1.6243	3.9726
V 292.401	12.1406	12.1810	11.8646
Zn 206.200	21.8909	21.9367	22.2200

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7302	ppb	0.4808	27.8	-168.942
Al 308.215	9322.85	ppb	14.2103	0.2	53621.4
As 188.980	-2.8201	ppb	3.5321	125.2	1.3387
B 249.678	520.423	ppb	4.6187	0.9	5120.21
Ba 389.178	74.6053	ppb	0.6364	0.9	1807.10
Be 313.042	0.1662	ppb	0.0076	4.5	186.336
Ca 370.602	115123	ppb	265.5	0.2	371221
Cd 226.502	-0.1280	ppb	0.0479	37.4	20.7194
Co 228.615	1.3594	ppb	0.4468	32.9	33.0883
Cr 267.716	10.9104	ppb	0.0600	0.5	470.322
Cu 324.754	6.4611	ppb	0.0663	1.0	421.129
Fe 271.441	5278.24	ppb	17.9280	0.3	8849.23
K 766.491	12003.6	ppb	13.5879	0.1	589350
Mg 279.078	12044.5	ppb	20.2662	0.2	24538.9
Mn 257.610	845.481	ppb	0.9132	0.1	191872
Mo 202.032	0.5483	ppb	0.4261	77.7	18.5631
Na 330.237	19713.6	ppb	228.544	1.2	994.345
Ni 231.604	14.5971	ppb	1.4780	10.1	35.5554
Pb 220.353	7.6360	ppb	2.0155	26.4	14.6896
Sb 206.834	-1.0552	ppb	3.6529	346.2	0.4885
Se 196.026	1.3205	ppb	3.2519	246.3	0.9808
Sn 189.925	0.0364	ppb	2.7417	7533.0	0.8913
Sr 216.596	463.060	ppb	2.0807	0.4	4383.80
Ti 334.941	156.950	ppb	1.5898	1.0	40046.2
Tl 190.794	3.3224	ppb	1.4840	44.7	0.9411
V 292.401	12.0620	ppb	0.1722	1.4	327.672
Zn 206.200	22.0159	ppb	0.1782	0.8	37.0412

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88519-d-4-1 (Samp) 3/27/2013, 4:55:51 PM Rack 1, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0733u	-0.3161u	-0.6409u
Al 308.215	10205.3	10226.4	10230.2
As 188.980	3.1737	-0.6256u	-7.4184u
B 249.678	186.946	186.511	186.519
Ba 389.178	62.5008	62.6857	63.7213
Be 313.042	0.0550	0.0692	0.0666
Ca 370.602	37384	37372	37529
Cd 226.502	-0.4817	-0.1287	-0.1075
Co 228.615	1.9804	1.7443	1.5441
Cr 267.716	13.4075	12.9211	13.0931
Cu 324.754	5.3721	6.1491	5.0972
Fe 271.441	8685.50	8703.59	8695.21
K 766.491	9972.44	9930.28	9915.04
Mg 279.078	7465.10	7476.23	7494.06
Mn 257.610	349.526	349.638	349.856
Mo 202.032	-0.7980u	-0.8190u	-0.6772u
Na 330.237	10304.1	10456.4	10257.4
Ni 231.604	11.1586	10.8970	11.2881
Pb 220.353	4.3564	6.2765	5.2388
Sb 206.834	0.8877	0.7309	1.8097
Se 196.026	-0.5945u	7.0779	-3.9593u
Sn 189.925	1.2640	-4.9969u	-1.6557u
Sr 216.596	226.294	226.264	228.650
Ti 334.941	156.300	156.184	156.624
Tl 190.794	3.2444	5.0814	2.4982
V 292.401	22.8854	22.6335	23.1441
Zn 206.200	10.5207	13.3329	12.8609

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6768	ppb	0.3799	56.1	-87.3385
Al 308.215	10220.6	ppb	13.3656	0.1	58761.1
As 188.980	-1.6234	ppb	5.3661	330.5	1.3879
B 249.678	186.659	ppb	0.2484	0.1	2060.09
Ba 389.178	62.9692	ppb	0.6578	1.0	1521.32
Be 313.042	0.0636	ppb	0.0076	11.9	-38.2936
Ca 370.602	37428	ppb	87.43	0.2	120134
Cd 226.502	-0.2393	ppb	0.2102	87.8	24.6839
Co 228.615	1.7563	ppb	0.2184	12.4	37.5740
Cr 267.716	13.1406	ppb	0.2466	1.9	562.160
Cu 324.754	5.5395	ppb	0.5456	9.8	377.456
Fe 271.441	8694.77	ppb	9.0551	0.1	14575.4
K 766.491	9939.25	ppb	29.7342	0.3	488033
Mg 279.078	7478.46	ppb	14.6062	0.2	15246.9
Mn 257.610	349.674	ppb	0.1681	0.0	79427.2
Mo 202.032	-0.7648	ppb	0.0766	10.0	9.9148
Na 330.237	10339.3	ppb	104.058	1.0	517.374
Ni 231.604	11.1146	ppb	0.1992	1.8	27.3878
Pb 220.353	5.2906	ppb	0.9611	18.2	10.7987
Sb 206.834	1.1428	ppb	0.5829	51.0	2.7055
Se 196.026	0.8413	ppb	5.6570	672.4	0.6568
Sn 189.925	-1.7962	ppb	3.1328	174.4	-0.5270
Sr 216.596	227.069	ppb	1.3686	0.6	2155.51
Ti 334.941	156.369	ppb	0.2277	0.1	39880.5
Tl 190.794	3.6080	ppb	1.3295	36.8	1.4980
V 292.401	22.8877	ppb	0.2553	1.1	625.646
Zn 206.200	12.2382	ppb	1.5060	12.3	21.5839

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88519-d-4-ISD^5 (Samp) 3/27/2013, 5:01:17 PM Rack 1, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4328u	-0.5391u	-0.9279u
Al 308.215	2170.84	2174.87	2169.17
As 188.980	-9.6345u	-6.3778u	-2.5960u
B 249.678	21.2615	19.5809	20.9435
Ba 389.178	13.0975	12.3351	12.5381
Be 313.042	-0.0227u	-0.0274u	-0.0179u
Ca 370.602	8062	8054	8017
Cd 226.502	-0.0414	-0.0426	-0.0117
Co 228.615	0.9831	-0.5156u	0.6894
Cr 267.716	2.8020	2.6615	2.6798
Cu 324.754	1.4299	1.0723	0.7724
Fe 271.441	1879.49	1888.22	1888.01
K 766.491	2070.56	2076.81	2063.66
Mg 279.078	1621.46	1624.61	1618.73
Mn 257.610	74.6869	75.0442	74.7659
Mo 202.032	-0.2553u	-0.9851u	-1.4500u
Na 330.237	2221.53	2231.80	2421.38
Ni 231.604	3.5139	3.1707	3.0701
Pb 220.353	-0.3535u	2.1758	0.5172
Sb 206.834	-5.1020u	-5.0796u	1.6813
Se 196.026	2.3684	-13.1231u	-1.8566u
Sn 189.925	-1.1867u	-1.4284u	-4.3855u
Sr 216.596	49.4271	47.9916	48.1889
Ti 334.941	32.9964	33.5424	33.0120
Tl 190.794	-0.4302u	1.2238	-1.4691u
V 292.401	4.9291	5.2087	5.0863
Zn 206.200	1.2078	1.2919	3.1286

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6333	ppb	0.2607	41.2	-78.0024
Al 308.215	2171.63	ppb	2.9299	0.1	12677.1
As 188.980	-6.2028	ppb	3.5225	56.8	-1.2540
B 249.678	20.5953	ppb	0.8928	4.3	545.310
Ba 389.178	12.6569	ppb	0.3949	3.1	291.616
Be 313.042	-0.0227	ppb	0.0047	20.9	-214.109
Ca 370.602	8044	ppb	24.02	0.3	25816
Cd 226.502	-0.0319	ppb	0.0175	54.8	16.2307
Co 228.615	0.3856	ppb	0.7942	206.0	18.9130
Cr 267.716	2.7145	ppb	0.0764	2.8	123.612
Cu 324.754	1.0915	ppb	0.3292	30.2	160.936
Fe 271.441	1885.24	ppb	4.9813	0.3	3162.25
K 766.491	2070.34	ppb	6.5784	0.3	101836
Mg 279.078	1621.60	ppb	2.9421	0.2	3323.18
Mn 257.610	74.8323	ppb	0.1877	0.3	17054.4
Mo 202.032	-0.8968	ppb	0.6022	67.2	9.3965
Na 330.237	2291.57	ppb	112.533	4.9	111.738
Ni 231.604	3.2516	ppb	0.2327	7.2	8.6716
Pb 220.353	0.7798	ppb	1.2849	164.8	3.6909
Sb 206.834	-2.8334	ppb	3.9099	138.0	-1.3421
Se 196.026	-4.2038	ppb	8.0081	190.5	-1.7371
Sn 189.925	-2.3336	ppb	1.7812	76.3	-0.9470
Sr 216.596	48.5359	ppb	0.7781	1.6	469.002
Ti 334.941	33.1836	ppb	0.3108	0.9	8439.60
Tl 190.794	-0.2252	ppb	1.3581	603.2	-0.5415
V 292.401	5.0747	ppb	0.1401	2.8	134.365
Zn 206.200	1.8761	ppb	1.0855	57.8	5.6620

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88519-d-4-IPDS (Samp) 3/27/2013, 5:06:44 PM Rack 1, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.9705	49.9289	48.6757
Al 308.215	12034.0	11994.9	12057.3
As 188.980	2157.66	2171.86	2178.74
B 249.678	1223.48	1228.98	1242.12
Ba 389.178	2118.88	2112.01	2117.53
Be 313.042	50.9883	50.8998	50.9710
Ca 370.602	41752	41689	41727
Cd 226.502	50.6935	50.4630	50.6018
Co 228.615	513.057	513.710	514.045
Cr 267.716	216.220	215.542	215.774
Cu 324.754	260.184	259.118	257.375
Fe 271.441	9469.22	9476.46	9491.94
K 766.491	14711.6	14688.8	14715.7
Mg 279.078	12478.7	12465.8	12484.3
Mn 257.610	856.298	855.285	857.114
Mo 202.032	511.059	511.694	513.074
Na 330.237	15221.9	15195.8	15438.7
Ni 231.604	516.617	515.963	518.459
Pb 220.353	511.396	506.205	509.608
Sb 206.834	499.615	509.785	511.673
Se 196.026	2043.17	2055.13	2045.38
Sn 189.925	1042.33	1037.11	1041.42
Sr 216.596	739.476	737.787	737.234
Ti 334.941	1173.00	1173.73	1170.73
Tl 190.794	2073.74	2097.60	2094.37
V 292.401	530.564	530.328	531.512
Zn 206.200	510.212	507.307	507.451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8584	ppb	1.1490	2.3	3428.50
Al 308.215	12028.7	ppb	31.4869	0.3	69171.8
As 188.980	2169.42	ppb	10.7492	0.5	1179.98
B 249.678	1231.53	ppb	9.5785	0.8	11629.4
Ba 389.178	2116.14	ppb	3.6391	0.2	50667.4
Be 313.042	50.9530	ppb	0.0469	0.1	98377.9
Ca 370.602	41723	ppb	31.80	0.1	134135
Cd 226.502	50.5861	ppb	0.1161	0.2	1835.95
Co 228.615	513.604	ppb	0.5024	0.1	5900.47
Cr 267.716	215.845	ppb	0.3444	0.2	9035.32
Cu 324.754	258.892	ppb	1.4185	0.5	12618.7
Fe 271.441	9479.21	ppb	11.6040	0.1	15972.8
K 766.491	14705.4	ppb	14.4995	0.1	721948
Mg 279.078	12476.3	ppb	9.4949	0.1	25418.0
Mn 257.610	856.232	ppb	0.9161	0.1	194323
Mo 202.032	511.942	ppb	1.0301	0.2	3319.12
Na 330.237	15285.5	ppb	133.304	0.9	756.906
Ni 231.604	517.013	ppb	1.2943	0.3	1223.22
Pb 220.353	509.070	ppb	2.6371	0.5	820.009
Sb 206.834	507.024	ppb	6.4855	1.3	481.722
Se 196.026	2047.89	ppb	6.3613	0.3	939.003
Sn 189.925	1040.28	ppb	2.7895	0.3	787.497
Sr 216.596	738.165	ppb	1.1683	0.2	6946.49
Ti 334.941	1172.49	ppb	1.5655	0.1	299043
Tl 190.794	2088.57	ppb	12.9470	0.6	1377.41
V 292.401	530.801	ppb	0.6267	0.1	14499.4
Zn 206.200	508.323	ppb	1.6371	0.3	773.742

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

mb 680-270763/1-a (Samp) **3/27/2013, 5:12:10 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5121u	-0.9555u	-0.3649u
Al 308.215	5.5651	3.1778	0.3881
As 188.980	-7.3553u	-4.4157u	-3.8953u
B 249.678	-0.1022u	-1.5530u	-6.1580u
Ba 389.178	-0.9050u	-0.5589u	-0.8095u
Be 313.042	-0.0421u	-0.0311u	-0.0377u
Ca 370.602	2.734	2.560	2.373
Cd 226.502	-0.1933u	-0.0888u	-0.1033u
Co 228.615	0.0645	0.2784	-0.1317u
Cr 267.716	-0.2749u	-0.2067u	-0.0574u
Cu 324.754	-0.0826u	0.0062	-0.0200u
Fe 271.441	-1.1447u	1.2648	-3.8387u
K 766.491	-0.1202u	-0.0150u	0.0026
Mg 279.078	-0.2368u	1.8473	-2.1849u
Mn 257.610	-0.1651u	-0.1196u	-0.1081u
Mo 202.032	0.2592	-1.1587u	-0.4818u
Na 330.237	381.941	241.043	200.870
Ni 231.604	1.2732	1.1241	0.6114
Pb 220.353	1.6100	3.8955	-0.5536u
Sb 206.834	-1.0759u	0.3339	-6.1791u
Se 196.026	-0.7244u	-2.3008u	-2.1356u
Sn 189.925	-1.7744u	-0.7561u	-0.4948u
Sr 216.596	0.1994	-0.4123u	-0.4699u
Ti 334.941	0.1626	0.0281	0.0188
Tl 190.794	7.1313	0.6074	1.9049
V 292.401	-0.0670u	0.1233	-0.1037u
Zn 206.200	1.5299	1.3338	1.5954

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6108	ppb	0.3074	50.3	-74.7064
Al 308.215	3.0437	ppb	2.5911	85.1	261.111
As 188.980	-5.2221	ppb	1.8657	35.7	-0.7641
B 249.678	-2.6044	ppb	3.1618	121.4	334.534
Ba 389.178	-0.7578	ppb	0.1787	23.6	-36.5111
Be 313.042	-0.0370	ppb	0.0055	15.0	-244.158
Ca 370.602	2.556	ppb	0.1804	7.1	4.422
Cd 226.502	-0.1284	ppb	0.0566	44.1	8.4292
Co 228.615	0.0704	ppb	0.2051	291.3	14.4966
Cr 267.716	-0.1797	ppb	0.1112	61.9	1.8939
Cu 324.754	-0.0321	ppb	0.0456	142.0	106.205
Fe 271.441	-1.2395	ppb	2.5530	206.0	0.3862
K 766.491	-0.0442	ppb	0.0664	150.1	223.104
Mg 279.078	-0.1915	ppb	2.0165	1053.1	21.4153
Mn 257.610	-0.1309	ppb	0.0302	23.0	41.9751
Mo 202.032	-0.4604	ppb	0.7092	154.0	12.3063
Na 330.237	274.618	ppb	95.0898	34.6	10.1309
Ni 231.604	1.0029	ppb	0.3472	34.6	3.3205
Pb 220.353	1.6506	ppb	2.2248	134.8	5.1315
Sb 206.834	-2.3070	ppb	3.4266	148.5	-0.9136
Se 196.026	-1.7203	ppb	0.8664	50.4	-0.6211
Sn 189.925	-1.0084	ppb	0.6761	67.0	0.0514
Sr 216.596	-0.2276	ppb	0.3709	163.0	8.3616
Ti 334.941	0.0698	ppb	0.0805	115.2	-12.2888
Tl 190.794	3.2145	ppb	3.4535	107.4	1.8633
V 292.401	-0.0158	ppb	0.1219	772.0	-6.0474
Zn 206.200	1.4864	ppb	0.1361	9.2	5.0168

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/27/2013, 5:17:46 PM Rack 1, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	499.634	502.378	499.685
Al 308.215	5003.93	5005.05	4971.62
As 188.980	465.447	477.404	465.246
B 249.678	2521.21	2546.81	2550.80
Ba 389.178	4943.28	4942.58	4915.77
Be 313.042	494.185	494.391	489.756
Ca 370.602	4957	4963	4929
Cd 226.502	494.230	495.383	491.708
Co 228.615	498.731	500.300	497.872
Cr 267.716	4960.93	4962.46	4915.30
Cu 324.754	4820.95	4883.91	4801.17
Fe 271.441	4991.25	4987.58	4947.03
K 766.491	10113.3	10122.6	10085.4
Mg 279.078	4963.44	4961.48	4916.30
Mn 257.610	4982.57	4973.62	4943.76
Mo 202.032	491.459	491.327	487.971
Na 330.237	7527.30	7302.29	7309.40
Ni 231.604	2492.99	2491.68	2473.14
Pb 220.353	490.261	494.715	490.281
Sb 206.834	921.733	927.232	922.322
Se 196.026	4921.42	4950.94	4880.31
Sn 189.925	5021.78	5056.92	5017.05
Sr 216.596	2487.52	2496.12	2469.78
Ti 334.941	497.989	498.912	494.603
Tl 190.794	5012.18	4992.55	4961.26
V 292.401	4950.73	4953.35	4916.51
Zn 206.200	2465.99	2467.11	2462.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.565	ppb	1.5697	0.3	34900.7	100.11308
Al 308.215	4993.53	ppb	18.9839	0.4	28810.9	99.87067
As 188.980	469.366	ppb	6.9622	1.5	256.774	93.87319
B 249.678	2539.61	ppb	16.0566	0.6	23614.4	101.58434
Ba 389.178	4933.88	ppb	15.6827	0.3	118072	98.67759
Be 313.042	492.777	ppb	2.6185	0.5	953539	98.55547
Ca 370.602	4950	ppb	18.37	0.4	15839	98.99115
Cd 226.502	493.774	ppb	1.8797	0.4	17602.1	98.75471
Co 228.615	498.968	ppb	1.2311	0.2	5729.06	99.79353
Cr 267.716	4946.23	ppb	26.7981	0.5	206759	98.92464
Cu 324.754	4835.34	ppb	43.2081	0.9	233533	96.70686
Fe 271.441	4975.29	ppb	24.5381	0.5	8462.07	99.50576
K 766.491	10107.1	ppb	19.3523	0.2	496272	101.07121
Mg 279.078	4947.07	ppb	26.6715	0.5	10020.4	98.94147
Mn 257.610	4966.65	ppb	20.3198	0.4	1126333	99.33304
Mo 202.032	490.252	ppb	1.9768	0.4	3171.89	98.05048
Na 330.237	7379.66	ppb	127.907	1.7	347.571	98.39552
Ni 231.604	2485.94	ppb	11.1006	0.4	5877.20	99.43756
Pb 220.353	491.752	ppb	2.5654	0.5	793.517	98.35049
Sb 206.834	923.762	ppb	3.0191	0.3	928.166	92.37621
Se 196.026	4917.56	ppb	35.4713	0.7	2255.19	98.35117
Sn 189.925	5031.92	ppb	21.7778	0.4	3805.96	100.63837
Sr 216.596	2484.47	ppb	13.4328	0.5	23361.3	99.37897
Ti 334.941	497.168	ppb	2.2691	0.5	126784	99.43361
Tl 190.794	4988.66	ppb	25.6812	0.5	3289.32	99.77325
V 292.401	4940.19	ppb	20.5541	0.4	135487	98.80389
Zn 206.200	2465.13	ppb	2.5186	0.1	3728.56	98.60520

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/27/2013, 5:23:10 PM Rack 1, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3753u	-0.4924u	-0.7368u
Al 308.215	0.7271	0.0802	3.4127
As 188.980	-6.9182u	-6.5956u	-5.4397u
B 249.678	37.6441	30.1219	26.6782
Ba 389.178	-0.5621u	0.4199	0.0991
Be 313.042	-0.0415u	-0.0287u	-0.0237u
Ca 370.602	3.817	2.946	2.457
Cd 226.502	-0.1032u	-0.0995u	-0.0770u
Co 228.615	0.2586	-0.0333u	0.0599
Cr 267.716	-0.1653u	-0.1541u	-0.2011u
Cu 324.754	-0.1103u	0.1574	-0.5752u
Fe 271.441	4.7461	-1.3219u	-3.2899u
K 766.491	-0.2325u	-0.1739u	-0.2713u
Mg 279.078	-0.5465u	-4.9859u	3.1009
Mn 257.610	-0.1233u	-0.0533u	-0.0431u
Mo 202.032	-0.1087u	-0.9760u	0.0612
Na 330.237	-118.516u	39.5928	318.019
Ni 231.604	-0.2161u	-0.0590u	0.9040
Pb 220.353	0.3100	-0.3820u	5.1511
Sb 206.834	1.9985	4.0420	5.7009
Se 196.026	-3.0806u	7.4510	3.4100
Sn 189.925	0.2010	-4.6706u	-2.2652u
Sr 216.596	-0.3054u	0.6318	0.3425
Ti 334.941	-0.0391u	-0.0535u	-0.1722u
Tl 190.794	4.3419	-4.4563u	3.0640
V 292.401	0.2706	0.2400	0.3666
Zn 206.200	0.8298	0.8912	1.1438

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5349	ppb	0.1844	34.5	-69.3949	-0.53486
Al 308.215	1.4066	ppb	1.7671	125.6	251.709	1.40664
As 188.980	-6.3178	ppb	0.7774	12.3	-1.3589	-6.31781
B 249.678	31.4814	ppb	5.6080	17.8	646.732	31.48139
Ba 389.178	-0.0143	ppb	0.5008	3490.3	-18.7280	-0.01435
Be 313.042	-0.0313	ppb	0.0092	29.4	-233.142	-0.03128
Ca 370.602	3.074	ppb	0.6891	22.4	6.316	3.07356
Cd 226.502	-0.0933	ppb	0.0142	15.2	9.6755	-0.09326
Co 228.615	0.0951	ppb	0.1491	156.8	14.7829	0.09508
Cr 267.716	-0.1735	ppb	0.0246	14.2	2.1450	-0.17351
Cu 324.754	-0.1760	ppb	0.3707	210.6	99.2498	-0.17601
Fe 271.441	0.0448	ppb	4.1887	9353.7	2.6418	0.04478
K 766.491	-0.2259	ppb	0.0490	21.7	214.188	-0.22588
Mg 279.078	-0.8105	ppb	4.0499	499.7	20.1534	-0.81052
Mn 257.610	-0.0732	ppb	0.0437	59.6	55.0478	-0.07325
Mo 202.032	-0.3412	ppb	0.5563	163.1	13.0755	-0.34119
Na 330.237	79.6986	ppb	221.013	277.3	0.2403	79.69857
Ni 231.604	0.2096	ppb	0.6064	289.3	1.4453	0.20960
Pb 220.353	1.6930	ppb	3.0147	178.1	5.1998	1.69303
Sb 206.834	3.9138	ppb	1.8545	47.4	5.0306	3.91378
Se 196.026	2.5935	ppb	5.3131	204.9	1.3560	2.59350
Sn 189.925	-2.2449	ppb	2.4358	108.5	-0.8837	-2.24495
Sr 216.596	0.2230	ppb	0.4799	215.2	12.6024	0.22298
Ti 334.941	-0.0883	ppb	0.0731	82.8	-52.6018	-0.08828
Tl 190.794	0.9832	ppb	4.7538	483.5	0.3909	0.98321
V 292.401	0.2924	ppb	0.0660	22.6	2.4572	0.29240
Zn 206.200	0.9549	ppb	0.1664	17.4	4.2102	0.95495

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

ics 680-270763/2-a (Samp) 3/27/2013, 5:28:34 PM Rack 1, Tube 15
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.5911	8.9950	9.8657
Al 308.215	4705.69	4673.56	4687.87
As 188.980	91.3793	93.7428	92.7172
B 249.678	185.926	185.506	185.425
Ba 389.178	97.2508	96.2331	96.4185
Be 313.042	49.1350	48.7366	48.9055
Ca 370.602	4692	4650	4669
Cd 226.502	49.3840	48.7861	49.0742
Co 228.615	49.3428	48.7392	49.1163
Cr 267.716	98.2863	97.4082	98.0656
Cu 324.754	97.2212	95.5066	97.1304
Fe 271.441	4826.59	4773.03	4787.23
K 766.491	4792.86	4761.51	4791.39
Mg 279.078	4799.89	4769.44	4782.99
Mn 257.610	495.023	491.358	492.693
Mo 202.032	96.7749	96.0806	98.1384
Na 330.237	4542.39	4341.15	4306.27
Ni 231.604	96.9744	97.4355	95.1027
Pb 220.353	45.6827	48.1470	46.1987
Sb 206.834	44.8105	46.3065	50.9062
Se 196.026	92.2663	99.6653	98.2817
Sn 189.925	196.665	192.430	193.029
Sr 216.596	98.9584	97.8032	98.7269
Ti 334.941	96.9502	96.4445	96.7765
Tl 190.794	40.8150	42.2959	41.0336
V 292.401	98.1927	98.0161	97.9301
Zn 206.200	94.6582	94.0644	98.5898

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.1506	ppb	0.6514	7.1	606.089
Al 308.215	4689.04	ppb	16.0950	0.3	27101.7
As 188.980	92.6131	ppb	1.1852	1.3	52.3209
B 249.678	185.619	ppb	0.2691	0.1	2054.11
Ba 389.178	96.6341	ppb	0.5420	0.6	2314.54
Be 313.042	48.9257	ppb	0.2000	0.4	94525.3
Ca 370.602	4670	ppb	20.71	0.4	14709
Cd 226.502	49.0814	ppb	0.2990	0.6	1771.38
Co 228.615	49.0661	ppb	0.3049	0.6	574.152
Cr 267.716	97.9200	ppb	0.4568	0.5	4104.78
Cu 324.754	96.6194	ppb	0.9648	1.0	4775.69
Fe 271.441	4795.62	ppb	27.7481	0.6	8048.40
K 766.491	4781.92	ppb	17.6903	0.4	234917
Mg 279.078	4784.11	ppb	15.2566	0.3	9757.78
Mn 257.610	493.025	ppb	1.8552	0.4	111907
Mo 202.032	96.9979	ppb	1.0469	1.1	641.131
Na 330.237	4396.60	ppb	127.451	2.9	216.595
Ni 231.604	96.5042	ppb	1.2354	1.3	229.154
Pb 220.353	46.6762	ppb	1.2997	2.8	77.3992
Sb 206.834	47.3410	ppb	3.1768	6.7	46.6765
Se 196.026	96.7377	ppb	3.9337	4.1	44.6315
Sn 189.925	194.041	ppb	2.2919	1.2	147.551
Sr 216.596	98.4961	ppb	0.6112	0.6	935.859
Ti 334.941	96.7237	ppb	0.2570	0.3	24657.6
Tl 190.794	41.3815	ppb	0.7994	1.9	26.4376
V 292.401	98.0463	ppb	0.1339	0.1	2667.76
Zn 206.200	95.7708	ppb	2.4593	2.6	147.822

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ics 680-270763/3-a (Samp) 3/27/2013, 5:33:58 PM Rack 1, Tube 16
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	205.105	206.023	203.254
Al 308.215	1946.91	1954.00	1945.86
As 188.980	202.791	208.708	208.648
B 249.678	389.125	392.727	392.973
Ba 389.178	196.243	197.470	195.923
Be 313.042	203.353	203.950	203.195
Ca 370.602	19655	19715	19604
Cd 226.502	198.228	198.991	199.329
Co 228.615	198.510	199.121	199.186
Cr 267.716	200.586	201.437	200.545
Cu 324.754	201.034	202.432	200.533
Fe 271.441	20695.0	20763.5	20670.7
K 766.491	19687.9	19711.0	19673.0
Mg 279.078	20024.7	20058.7	20003.3
Mn 257.610	2052.02	2057.23	2047.89
Mo 202.032	198.204	199.339	199.146
Na 330.237	17149.4	17424.5	17443.3
Ni 231.604	198.240	200.034	200.484
Pb 220.353	199.766	199.667	201.926
Sb 206.834	195.736	194.360	194.420
Se 196.026	196.633	202.055	192.205
Sn 189.925	201.458	202.581	198.525
Sr 216.596	214.168	214.423	212.997
Ti 334.941	201.103	201.979	201.188
Tl 190.794	49.2352	51.3106	52.1833
V 292.401	201.411	202.157	200.638
Zn 206.200	185.187	188.117	187.109

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	204.794	ppb	1.4102	0.7	14282.6
Al 308.215	1948.92	ppb	4.4265	0.2	11424.9
As 188.980	206.716	ppb	3.3989	1.6	114.213
B 249.678	391.608	ppb	2.1542	0.6	3926.25
Ba 389.178	196.546	ppb	0.8169	0.4	4770.56
Be 313.042	203.499	ppb	0.3986	0.2	393748
Ca 370.602	19658	ppb	55.80	0.3	61835
Cd 226.502	198.849	ppb	0.5642	0.3	7139.94
Co 228.615	198.939	ppb	0.3730	0.2	2287.34
Cr 267.716	200.856	ppb	0.5038	0.3	8415.35
Cu 324.754	201.333	ppb	0.9842	0.5	9837.71
Fe 271.441	20709.7	ppb	48.1285	0.2	34744.5
K 766.491	19690.7	ppb	19.1321	0.1	966622
Mg 279.078	20028.9	ppb	27.9232	0.1	40787.3
Mn 257.610	2052.38	ppb	4.6824	0.2	465627
Mo 202.032	198.896	ppb	0.6071	0.3	1298.11
Na 330.237	17339.1	ppb	164.519	0.9	867.632
Ni 231.604	199.586	ppb	1.1870	0.6	473.111
Pb 220.353	200.453	ppb	1.2766	0.6	324.938
Sb 206.834	194.839	ppb	0.7779	0.4	188.700
Se 196.026	196.964	ppb	4.9335	2.5	90.9694
Sn 189.925	200.855	ppb	2.0941	1.0	152.713
Sr 216.596	213.863	ppb	0.7602	0.4	2024.75
Ti 334.941	201.423	ppb	0.4831	0.2	51422.7
Tl 190.794	50.9097	ppb	1.5144	3.0	30.7334
V 292.401	201.402	ppb	0.7596	0.4	5486.02
Zn 206.200	186.805	ppb	1.4890	0.8	285.757

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640-42787-g-1-a (Samp) 3/27/2013, 5:39:22 PM Rack 1, Tube 17

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5603u	-0.8952u	-0.5055u
Al 308.215	1786.31	1786.84	1780.37
As 188.980	-6.5335u	-8.5564u	1.1601
B 249.678	31.4618	30.8355	28.9624
Ba 389.178	155.684	155.406	154.685
Be 313.042	0.1117	0.1068	0.1085
Ca 370.602	81901	82153	82102
Cd 226.502	1.4748	1.3752	1.2349
Co 228.615	1.6440	0.7652	1.4459
Cr 267.716	15.1081	14.9443	14.9200
Cu 324.754	50.1804	52.3512	52.1167
Fe 271.441	3361.39	3366.48	3363.51
K 766.491	3292.35	3297.07	3292.00
Mg 279.078	25441.4	25474.6	25455.4
Mn 257.610	329.905	330.503	330.374
Mo 202.032	1.5891	0.8435	0.4211
Na 330.237	11248.4	10947.9	11038.3
Ni 231.604	7.4569	9.8338	10.5238
Pb 220.353	59.9599	57.2087	61.8125
Sb 206.834	-1.9602u	-7.4367u	-1.5356u
Se 196.026	2.6155	-2.9178u	-5.0434u
Sn 189.925	-1.6773u	-1.6455u	-1.3557u
Sr 216.596	160.775	162.480	162.817
Ti 334.941	67.7240	68.0299	68.0112
Tl 190.794	1.1932	-2.3281u	6.2768
V 292.401	5.1964	5.4412	5.8876
Zn 206.200	1048.16	1055.51	1046.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9870	ppb	0.5334	54.0	-106.834
Al 308.215	1784.51	ppb	3.5911	0.2	10460.9
As 188.980	-4.6433	ppb	5.1267	110.4	0.1243
B 249.678	30.4199	ppb	1.3005	4.3	633.943
Ba 389.178	155.258	ppb	0.5156	0.3	3770.46
Be 313.042	0.1090	ppb	0.0025	2.3	64.5768
Ca 370.602	82052	ppb	133.3	0.2	264597
Cd 226.502	1.3616	ppb	0.1206	8.9	69.5198
Co 228.615	1.2850	ppb	0.4609	35.9	30.0325
Cr 267.716	14.9908	ppb	0.1023	0.7	638.244
Cu 324.754	51.5494	ppb	1.1914	2.3	2597.59
Fe 271.441	3363.79	ppb	2.5554	0.1	5640.57
K 766.491	3293.81	ppb	2.8309	0.1	161882
Mg 279.078	25457.2	ppb	16.6805	0.1	51867.1
Mn 257.610	330.261	ppb	0.3148	0.1	75110.4
Mo 202.032	0.9513	ppb	0.5914	62.2	21.2608
Na 330.237	11078.2	ppb	154.199	1.4	549.498
Ni 231.604	9.2715	ppb	1.6089	17.4	22.9298
Pb 220.353	59.6604	ppb	2.3164	3.9	98.4584
Sb 206.834	-3.6442	ppb	3.2913	90.3	-1.9927
Se 196.026	-1.7819	ppb	3.9538	221.9	-0.5643
Sn 189.925	-1.5595	ppb	0.1772	11.4	-0.3308
Sr 216.596	162.024	ppb	1.0946	0.7	1544.83
Ti 334.941	67.9217	ppb	0.1715	0.3	17396.7
Tl 190.794	1.7140	ppb	4.3260	252.4	0.4405
V 292.401	5.5084	ppb	0.3505	6.4	145.997
Zn 206.200	1049.98	ppb	4.842	0.5	1596.53

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

640-42787-g-1-aSD^5 (Samp) 3/27/2013, 5:44:57 PM Rack 1, Tube 18
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1341u	-0.6390u	-0.7724u
Al 308.215	391.155	392.184	387.035
As 188.980	-0.4281u	-2.5575u	-1.6937u
B 249.678	-14.5334u	-16.3211u	-17.0782u
Ba 389.178	32.7703	33.0767	33.2313
Be 313.042	-0.0049u	-0.0080u	-0.0219u
Ca 370.602	17850	17762	17693
Cd 226.502	0.3516	0.2173	0.2024
Co 228.615	0.3227	0.4981	0.3630
Cr 267.716	3.0048	2.9994	2.9589
Cu 324.754	11.4087	11.0825	10.5910
Fe 271.441	733.892	738.626	740.462
K 766.491	705.914	698.291	694.222
Mg 279.078	5566.31	5515.59	5502.35
Mn 257.610	72.0649	71.5198	71.2549
Mo 202.032	-0.4091u	-0.5754u	-0.5055u
Na 330.237	2585.94	2339.61	2582.78
Ni 231.604	3.1524	1.2703	3.4819
Pb 220.353	12.5297	11.2838	13.8010
Sb 206.834	-5.7182u	-1.9274u	4.5233
Se 196.026	-9.7802u	-10.2333u	3.0455
Sn 189.925	-1.9232u	-0.7998u	-0.4760u
Sr 216.596	35.2336	35.4855	34.2640
Ti 334.941	14.4465	14.4147	14.5091
Tl 190.794	-2.3252u	1.7954	3.0565
V 292.401	1.2835	1.5401	1.3418
Zn 206.200	233.513	229.712	230.800

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5151	ppb	0.3367	65.4	-69.2755
Al 308.215	390.125	ppb	2.7252	0.7	2477.27
As 188.980	-1.5598	ppb	1.0710	68.7	1.3485
B 249.678	-15.9776	ppb	1.3067	8.2	211.378
Ba 389.178	33.0261	ppb	0.2346	0.7	787.905
Be 313.042	-0.0116	ppb	0.0091	78.3	-189.315
Ca 370.602	17768	ppb	78.37	0.4	57295
Cd 226.502	0.2571	ppb	0.0822	32.0	23.9098
Co 228.615	0.3946	ppb	0.0919	23.3	18.5724
Cr 267.716	2.9877	ppb	0.0251	0.8	134.771
Cu 324.754	11.0274	ppb	0.4116	3.7	640.365
Fe 271.441	737.660	ppb	3.3896	0.5	1238.83
K 766.491	699.476	ppb	5.9353	0.8	34554.8
Mg 279.078	5528.08	ppb	33.7624	0.6	11280.1
Mn 257.610	71.6132	ppb	0.4130	0.6	16343.0
Mo 202.032	-0.4967	ppb	0.0835	16.8	12.0371
Na 330.237	2502.78	ppb	141.316	5.6	121.252
Ni 231.604	2.6349	ppb	1.1932	45.3	7.1922
Pb 220.353	12.5382	ppb	1.2586	10.0	22.6485
Sb 206.834	-1.0408	ppb	5.1780	497.5	0.3464
Se 196.026	-5.6560	ppb	7.5391	133.3	-2.4065
Sn 189.925	-1.0663	ppb	0.7595	71.2	0.0151
Sr 216.596	34.9944	ppb	0.6449	1.8	341.915
Ti 334.941	14.4568	ppb	0.0480	0.3	3679.57
Tl 190.794	0.8422	ppb	2.8146	334.2	0.2036
V 292.401	1.3885	ppb	0.1345	9.7	32.7108
Zn 206.200	231.342	ppb	1.9577	0.8	353.914

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

640-42787-g-1-aPDS (Samp) 3/27/2013, 5:50:23 PM Rack 1, Tube 19
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.8585	49.3451	50.2123
Al 308.215	3748.15	3754.99	3749.65
As 188.980	2146.96	2158.47	2150.33
B 249.678	1064.04	1078.41	1086.11
Ba 389.178	2194.76	2194.60	2196.52
Be 313.042	50.5021	50.6327	50.7174
Ca 370.602	86284	86490	86735
Cd 226.502	51.2850	51.8704	51.5002
Co 228.615	505.532	507.155	508.151
Cr 267.716	214.412	215.305	216.142
Cu 324.754	303.796	303.598	309.102
Fe 271.441	4295.86	4298.03	4294.77
K 766.491	8837.71	8807.07	8791.00
Mg 279.078	30432.4	30498.9	30526.9
Mn 257.610	836.975	840.058	840.355
Mo 202.032	510.719	512.923	515.501
Na 330.237	15971.9	16144.4	15988.2
Ni 231.604	503.335	501.611	504.927
Pb 220.353	555.566	557.812	559.421
Sb 206.834	492.953	496.868	495.891
Se 196.026	2046.30	2010.51	2034.33
Sn 189.925	1028.11	1033.13	1033.64
Sr 216.596	668.440	670.090	677.469
Ti 334.941	1077.72	1079.33	1084.66
Tl 190.794	2039.21	2068.54	2061.70
V 292.401	511.137	510.534	509.917
Zn 206.200	1532.36	1531.42	1533.45

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.1386	ppb	0.7594	1.5	3450.15
Al 308.215	3750.93	ppb	3.5930	0.1	21778.2
As 188.980	2151.92	ppb	5.9148	0.3	1170.86
B 249.678	1076.19	ppb	11.2010	1.0	10211.3
Ba 389.178	2195.29	ppb	1.0683	0.0	52602.3
Be 313.042	50.6174	ppb	0.1084	0.2	97743.3
Ca 370.602	86503	ppb	225.6	0.3	279092
Cd 226.502	51.5519	ppb	0.2961	0.6	1858.50
Co 228.615	506.946	ppb	1.3218	0.3	5822.22
Cr 267.716	215.286	ppb	0.8651	0.4	9010.75
Cu 324.754	305.499	ppb	3.1222	1.0	14867.7
Fe 271.441	4296.22	ppb	1.6631	0.0	7284.72
K 766.491	8811.93	ppb	23.7333	0.3	432705
Mg 279.078	30486.1	ppb	48.5439	0.2	62101.6
Mn 257.610	839.129	ppb	1.8717	0.2	190530
Mo 202.032	513.048	ppb	2.3939	0.5	3326.53
Na 330.237	16034.8	ppb	95.2433	0.6	789.596
Ni 231.604	503.291	ppb	1.6588	0.3	1190.69
Pb 220.353	557.600	ppb	1.9361	0.3	898.272
Sb 206.834	495.237	ppb	2.0372	0.4	470.322
Se 196.026	2030.38	ppb	18.2164	0.9	930.959
Sn 189.925	1031.63	ppb	3.0528	0.3	780.968
Sr 216.596	672.000	ppb	4.8080	0.7	6325.44
Ti 334.941	1080.57	ppb	3.6298	0.3	275675
Tl 190.794	2056.48	ppb	15.3455	0.7	1356.42
V 292.401	510.529	ppb	0.6098	0.1	13940.3
Zn 206.200	1532.41	ppb	1.0163	0.1	2327.98

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

640-42787-g-1-b ms (Samp) 3/27/2013, 5:56:18 PM Rack 1, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.5809	10.1094	9.2464
Al 308.215	6846.22	6851.49	6847.98
As 188.980	98.4817	102.795	107.464
B 249.678	245.660	245.780	245.397
Ba 389.178	262.696	262.412	262.210
Be 313.042	51.5736	51.6198	51.6130
Ca 370.602	88823	89051	88867
Cd 226.502	52.1893	52.2233	52.2195
Co 228.615	52.4526	52.2677	52.1993
Cr 267.716	116.869	117.759	117.152
Cu 324.754	155.731	157.199	154.711
Fe 271.441	8513.49	8485.43	8506.49
K 766.491	8847.71	8801.43	8800.02
Mg 279.078	31101.8	31177.1	31178.7
Mn 257.610	852.352	851.915	851.626
Mo 202.032	100.470	102.248	103.273
Na 330.237	16625.4	16473.8	16294.6
Ni 231.604	109.997	108.131	108.674
Pb 220.353	108.913	110.384	109.245
Sb 206.834	49.3033	51.3899	46.0431
Se 196.026	109.178	108.296	107.709
Sn 189.925	201.639	201.304	199.157
Sr 216.596	265.699	267.930	266.966
Ti 334.941	171.547	172.384	171.970
Tl 190.794	41.7720	46.5558	45.9857
V 292.401	108.162	108.322	108.576
Zn 206.200	1173.72	1171.45	1167.99

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9789	ppb	0.6768	6.8	657.966
Al 308.215	6848.56	ppb	2.6829	0.0	39466.5
As 188.980	102.913	ppb	4.4923	4.4	58.4988
B 249.678	245.612	ppb	0.1960	0.1	2600.22
Ba 389.178	262.439	ppb	0.2442	0.1	6358.66
Be 313.042	51.6021	ppb	0.0250	0.0	99732.5
Ca 370.602	88914	ppb	121.0	0.1	286357
Cd 226.502	52.2107	ppb	0.0186	0.0	1891.63
Co 228.615	52.3065	ppb	0.1310	0.3	612.916
Cr 267.716	117.260	ppb	0.4545	0.4	4915.60
Cu 324.754	155.881	ppb	1.2506	0.8	7638.03
Fe 271.441	8501.80	ppb	14.6054	0.2	14260.7
K 766.491	8816.39	ppb	27.1371	0.3	432924
Mg 279.078	31152.5	ppb	43.9310	0.1	63458.6
Mn 257.610	851.964	ppb	0.3654	0.0	193455
Mo 202.032	101.997	ppb	1.4185	1.4	673.222
Na 330.237	16464.6	ppb	165.608	1.0	819.815
Ni 231.604	108.934	ppb	0.9598	0.9	258.604
Pb 220.353	109.514	ppb	0.7714	0.7	178.483
Sb 206.834	48.9121	ppb	2.6948	5.5	48.3890
Se 196.026	108.394	ppb	0.7392	0.7	50.0665
Sn 189.925	200.700	ppb	1.3469	0.7	152.622
Sr 216.596	266.865	ppb	1.1192	0.4	2530.11
Ti 334.941	171.967	ppb	0.4183	0.2	43955.3
Tl 190.794	44.7712	ppb	2.6129	5.8	28.2046
V 292.401	108.353	ppb	0.2091	0.2	2950.41
Zn 206.200	1171.06	ppb	2.8884	0.2	1779.99

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

640-42787-g-1-c msd (Samp) 3/27/2013, 6:01:43 PM Rack 1, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	11.7959	11.2768	11.6562
Al 308.215	6935.08	6949.67	6970.61
As 188.980	114.790	113.228	99.2962
B 249.678	235.615	238.257	238.628
Ba 389.178	264.324	262.896	264.918
Be 313.042	51.7382	51.7869	51.8889
Ca 370.602	89596	89663	89932
Cd 226.502	53.4019	54.1643	54.4676
Co 228.615	52.7844	53.7191	53.3871
Cr 267.716	118.182	117.692	118.193
Cu 324.754	153.723	153.064	153.933
Fe 271.441	8456.67	8487.40	8494.03
K 766.491	9355.37	9323.13	9324.06
Mg 279.078	31698.3	31782.4	31870.1
Mn 257.610	856.371	857.610	859.990
Mo 202.032	96.4986	99.0128	99.1734
Na 330.237	16811.1	16909.9	17101.3
Ni 231.604	107.945	112.345	111.159
Pb 220.353	108.199	115.849	113.451
Sb 206.834	50.8759	57.2290	51.5714
Se 196.026	112.833	107.740	97.5630
Sn 189.925	139.287	144.962	149.283
Sr 216.596	270.306	271.287	271.003
Ti 334.941	169.955	170.078	170.799
Tl 190.794	43.7130	43.6125	46.7565
V 292.401	109.366	108.717	109.081
Zn 206.200	1203.77	1211.29	1211.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.5763	ppb	0.2686	2.3	769.529
Al 308.215	6951.79	ppb	17.8606	0.3	40057.0
As 188.980	109.105	ppb	8.5305	7.8	61.8638
B 249.678	237.500	ppb	1.6429	0.7	2525.92
Ba 389.178	264.046	ppb	1.0395	0.4	6398.65
Be 313.042	51.8047	ppb	0.0769	0.1	100125
Ca 370.602	89730	ppb	178.0	0.2	288993
Cd 226.502	54.0113	ppb	0.5491	1.0	1955.72
Co 228.615	53.2969	ppb	0.4738	0.9	624.347
Cr 267.716	118.022	ppb	0.2863	0.2	4947.47
Cu 324.754	153.573	ppb	0.4534	0.3	7526.51
Fe 271.441	8479.37	ppb	19.9376	0.2	14223.1
K 766.491	9334.19	ppb	18.3503	0.2	458337
Mg 279.078	31783.6	ppb	85.9147	0.3	64743.8
Mn 257.610	857.990	ppb	1.8392	0.2	194825
Mo 202.032	98.2283	ppb	1.5001	1.5	648.890
Na 330.237	16940.8	ppb	147.550	0.9	843.755
Ni 231.604	110.483	ppb	2.2763	2.1	262.267
Pb 220.353	112.500	ppb	3.9126	3.5	183.293
Sb 206.834	53.2254	ppb	3.4846	6.5	52.5551
Se 196.026	106.045	ppb	7.7749	7.3	48.9912
Sn 189.925	144.510	ppb	5.0132	3.5	110.132
Sr 216.596	270.865	ppb	0.5048	0.2	2567.91
Ti 334.941	170.277	ppb	0.4560	0.3	43526.8
Tl 190.794	44.6940	ppb	1.7869	4.0	28.1495
V 292.401	109.055	ppb	0.3251	0.3	2970.41
Zn 206.200	1208.83	ppb	4.3799	0.4	1837.31

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88651-a-1-b (Samp) 3/27/2013, 6:07:09 PM Rack 1, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5683u	-0.1470u	-0.4955u
Al 308.215	494.590	495.330	494.798
As 188.980	-12.9885u	-3.4405u	-7.3982u
B 249.678	888.730	895.511	899.680
Ba 389.178	269.506	269.972	268.472
Be 313.042	-0.0183u	-0.0138u	-0.0310u
Ca 370.602	10725	10761	10670
Cd 226.502	4.5920	4.5467	4.6165
Co 228.615	8.6653	8.5178	9.1123
Cr 267.716	5.2289	5.3806	5.3748
Cu 324.754	638.165	631.983	626.073
Fe 271.441	1425.05	1437.44	1432.72
K 766.491	5948.50	5950.53	5919.64
Mg 279.078	7526.15	7533.84	7508.39
Mn 257.610	121.266	121.496	121.144
Mo 202.032	2.6579	2.2920	2.4927
Na 330.237	79161.4	80112.1	79381.8
Ni 231.604	1250.59	1251.51	1259.16
Pb 220.353	17.1504	14.8291	15.2569
Sb 206.834	9.8527	4.1223	6.0235
Se 196.026	7.6935	4.6922	-1.1940u
Sn 189.925	2.8007	4.3640	4.0460
Sr 216.596	69.8002	68.4613	68.4538
Ti 334.941	15.2855	15.1145	14.9969
Tl 190.794	-0.4388u	3.5617	-0.0013u
V 292.401	0.7473	0.7939	1.0694
Zn 206.200	759.157	766.830	752.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4036	ppb	0.2252	55.8	-62.5334
Al 308.215	494.906	ppb	0.3821	0.1	3077.63
As 188.980	-7.9424	ppb	4.7972	60.4	-2.1758
B 249.678	894.640	ppb	5.5265	0.6	8551.21
Ba 389.178	269.316	ppb	0.7678	0.3	6448.15
Be 313.042	-0.0210	ppb	0.0089	42.3	-220.248
Ca 370.602	10719	ppb	45.89	0.4	34483
Cd 226.502	4.5851	ppb	0.0354	0.8	179.208
Co 228.615	8.7651	ppb	0.3095	3.5	114.196
Cr 267.716	5.3281	ppb	0.0859	1.6	234.117
Cu 324.754	632.074	ppb	6.0464	1.0	30625.8
Fe 271.441	1431.74	ppb	6.2546	0.4	2403.44
K 766.491	5939.56	ppb	17.2798	0.3	291732
Mg 279.078	7522.79	ppb	13.0526	0.2	15342.2
Mn 257.610	121.302	ppb	0.1786	0.1	27622.6
Mo 202.032	2.4809	ppb	0.1832	7.4	31.2302
Na 330.237	79551.8	ppb	497.628	0.6	4029.77
Ni 231.604	1253.75	ppb	4.7043	0.4	2964.54
Pb 220.353	15.7455	ppb	1.2354	7.8	27.8096
Sb 206.834	6.6662	ppb	2.9187	43.8	7.7026
Se 196.026	3.7306	ppb	4.5211	121.2	1.9089
Sn 189.925	3.7369	ppb	0.8262	22.1	3.6699
Sr 216.596	68.9051	ppb	0.7752	1.1	642.322
Ti 334.941	15.1323	ppb	0.1451	1.0	3854.51
Tl 190.794	1.0405	ppb	2.1943	210.9	0.2645
V 292.401	0.8702	ppb	0.1741	20.0	17.0736
Zn 206.200	759.660	ppb	6.9321	0.9	1155.49

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88567-a-1-a (Samp) 3/27/2013, 6:12:35 PM Rack 1, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7798u	-0.6991u	-0.7862u
Al 308.215	24.7973	21.7081	22.7952
As 188.980	-6.5101u	-7.7077u	-1.9493u
B 249.678	261.538	262.563	261.795
Ba 389.178	17.7410	18.1190	18.2398
Be 313.042	-0.0368u	-0.0369u	-0.0341u
Ca 370.602	52372	52251	52253
Cd 226.502	-0.0309u	-0.1119u	-0.3035u
Co 228.615	-0.0120u	-0.1228u	0.0919
Cr 267.716	0.2299	0.7908	0.2440
Cu 324.754	4.0520	4.0868	4.0583
Fe 271.441	42.9064	50.3849	47.0459
K 766.491	17739.5	17764.6	17788.2
Mg 279.078	38545.8	38452.7	38483.6
Mn 257.610	14.8100	14.8147	14.8710
Mo 202.032	-0.1828u	-0.1677u	0.0493
Na 330.237	232528x	231084x	230785x
Ni 231.604	3.2518	3.0329	4.0925
Pb 220.353	-0.2591u	1.1143	-0.8639u
Sb 206.834	-3.2229u	1.7000	7.0885
Se 196.026	5.9865	-4.5941u	1.4315
Sn 189.925	0.7170	-3.3461u	-4.0089u
Sr 216.596	591.405	591.374	588.727
Ti 334.941	-0.3445	-0.2581	-0.3823
Tl 190.794	0.4733	-7.0153u	-0.3802u
V 292.401	0.5086	0.6355	-0.0207u
Zn 206.200	29.7463	28.5508	27.2170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7551b	ppb	0.0485	6.4	-109.823
Al 308.215	23.1002b	ppb	1.5670	6.8	375.987
As 188.980	-5.3890b	ppb	3.0385	56.4	-0.4718
B 249.678	261.965b	ppb	0.5332	0.2	2757.74
Ba 389.178	18.0333b	ppb	0.2602	1.4	517.129
Be 313.042	-0.0359b	ppb	0.0016	4.4	-254.233
Ca 370.602	52292b	ppb	69.11	0.1	168787
Cd 226.502	-0.1488b	ppb	0.1400	94.1	7.0218
Co 228.615	-0.0143b	ppb	0.1074	751.0	13.5312
Cr 267.716	0.4216b	ppb	0.3199	75.9	30.7453
Cu 324.754	4.0657b	ppb	0.0186	0.5	304.075
Fe 271.441	46.7791b	ppb	3.7464	8.0	80.8781
K 766.491	17764.1b	ppb	24.3560	0.1	872068
Mg 279.078	38494.0b	ppb	47.4224	0.1	78425.0
Mn 257.610	14.8319b	ppb	0.0339	0.2	3645.51
Mo 202.032	-0.1004b	ppb	0.1299	129.4	14.6279
Na 330.237	231466xb	ppb	931.758	0.4	11750.0
Ni 231.604	3.4591b	ppb	0.5594	16.2	9.1273
Pb 220.353	-0.0029b	ppb	1.0136	35121.6	2.4737
Sb 206.834	1.8552b	ppb	5.1574	278.0	3.0632
Se 196.026	0.9413b	ppb	5.3073	563.8	0.6025
Sn 189.925	-2.2126b	ppb	2.5587	115.6	-0.7634
Sr 216.596	590.502b	ppb	1.5374	0.3	5576.91
Ti 334.941	-0.3283b	ppb	0.0637	19.4	27.7397
Tl 190.794	-2.3074b	ppb	4.0994	177.7	-1.7985
V 292.401	0.3745b	ppb	0.3480	92.9	3.1718
Zn 206.200	28.5047b	ppb	1.2653	4.4	464228

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

640-42825-a-1-a (Samp) 3/27/2013, 6:18:02 PM Rack 1, Tube 24
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1043u	-0.3592u	-1.2263u
Al 308.215	36.3023	32.3265	33.7936
As 188.980	-3.5633u	-3.3472u	0.4408
B 249.678	49.5437	48.5679	47.0976
Ba 389.178	15.9733	16.5367	16.6753
Be 313.042	-0.0305u	-0.0293u	-0.0305u
Ca 370.602	10688	10612	10621
Cd 226.502	-0.2046u	-0.2611u	0.0876
Co 228.615	0.9747	0.3463	0.5634
Cr 267.716	-0.1922u	-0.1826u	-0.2604u
Cu 324.754	0.5044	0.8233	0.7356
Fe 271.441	358.030	360.256	358.185
K 766.491	2285.11	2276.20	2278.54
Mg 279.078	6032.70	5993.47	6010.01
Mn 257.610	26.4577	26.2717	26.2418
Mo 202.032	-0.4103u	-0.8789u	-0.2760u
Na 330.237	132681x	131378x	131181x
Ni 231.604	-1.5582u	-0.6004u	1.5833
Pb 220.353	-2.4126u	1.4606	0.3053
Sb 206.834	-4.1944u	-4.6809u	0.1378
Se 196.026	-1.6306u	-0.4556u	-3.4302u
Sn 189.925	-2.3950u	1.2144	-4.3792u
Sr 216.596	716.589	708.186	713.037
Ti 334.941	0.3078	0.2602	0.2509
Tl 190.794	1.1622	4.7690	6.5860
V 292.401	0.4024	0.2179	-0.0100u
Zn 206.200	1.3144	-0.2888u	2.2850

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8966b	ppb	0.4694	52.4	-124.121
Al 308.215	34.1408b	ppb	2.0105	5.9	439.110
As 188.980	-2.1566b	ppb	2.2520	104.4	0.9750
B 249.678	48.4031b	ppb	1.2314	2.5	801.392
Ba 389.178	16.3951b	ppb	0.3718	2.3	390.669
Be 313.042	-0.0301b	ppb	0.0007	2.3	-243.404
Ca 370.602	10640b	ppb	41.62	0.4	34313
Cd 226.502	-0.1260b	ppb	0.1871	148.5	8.7102
Co 228.615	0.6281b	ppb	0.3192	50.8	20.8839
Cr 267.716	-0.2117b	ppb	0.0424	20.0	2.8010
Cu 324.754	0.6878b	ppb	0.1647	24.0	141.056
Fe 271.441	358.824b	ppb	1.2430	0.3	604.016
K 766.491	2279.95b	ppb	4.6223	0.2	112123
Mg 279.078	6012.06b	ppb	19.6928	0.3	12266.6
Mn 257.610	26.3237b	ppb	0.1170	0.4	6074.08
Mo 202.032	-0.5218b	ppb	0.3165	60.7	11.8937
Na 330.237	131747xb	ppb	815.278	0.6	6686.28
Ni 231.604	-0.1918b	ppb	1.6101	839.4	0.5033
Pb 220.353	-0.2156b	ppb	1.9885	922.4	2.1341
Sb 206.834	-2.9125b	ppb	2.6528	91.1	-1.4798
Se 196.026	-1.8388b	ppb	1.4982	81.5	-0.6684
Sn 189.925	-1.8533b	ppb	2.8359	153.0	-0.5402
Sr 216.596	712.604b	ppb	4.2180	0.6	6723.49
Ti 334.941	0.2730b	ppb	0.0305	11.2	54.7681
Tl 190.794	4.1724b	ppb	2.7606	66.2	2.4581
V 292.401	0.2034b	ppb	0.2066	101.6	-0.9465
Zn 206.200	1.1035b	ppb	1.2998	117.8	4.5192

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/27/2013, 6:23:38 PM Rack 1, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	507.408	504.835	505.060
Al 308.215	5008.42	5009.21	5015.38
As 188.980	480.739	460.413	473.187
B 249.678	2521.32	2538.14	2555.17
Ba 389.178	4962.38	4953.97	4962.09
Be 313.042	494.981	494.040	494.516
Ca 370.602	4979	4975	4964
Cd 226.502	493.505	493.716	493.379
Co 228.615	498.576	498.518	498.652
Cr 267.716	4978.03	4966.92	4960.40
Cu 324.754	4944.16	4943.37	4849.63
Fe 271.441	4962.95	4970.16	4985.41
K 766.491	10108.1	10125.8	10152.1
Mg 279.078	4970.71	4958.69	4962.92
Mn 257.610	4981.95	4986.44	4994.16
Mo 202.032	492.365	491.938	493.934
Na 330.237	7428.26	7479.50	7352.84
Ni 231.604	2502.27	2497.42	2502.34
Pb 220.353	498.779	494.306	498.303
Sb 206.834	923.343	918.277	921.574
Se 196.026	4943.16	4927.70	4891.48
Sn 189.925	5091.16	5072.52	5042.12
Sr 216.596	2502.05	2491.60	2488.94
Ti 334.941	501.193	500.524	499.959
Tl 190.794	5001.99	4991.26	4997.14
V 292.401	4946.31	4951.15	4960.66
Zn 206.200	2481.76	2464.18	2476.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	505.768	ppb	1.4253	0.3	35264.7	101.15353
Al 308.215	5011.00	ppb	3.8109	0.1	28910.6	100.22009
As 188.980	471.446	ppb	10.2740	2.2	257.903	94.28929
B 249.678	2538.21	ppb	16.9267	0.7	23601.6	101.52852
Ba 389.178	4959.48	ppb	4.7740	0.1	118685	99.18957
Be 313.042	494.512	ppb	0.4705	0.1	956897	98.90244
Ca 370.602	4973	ppb	7.465	0.2	15914	99.45381
Cd 226.502	493.533	ppb	0.1706	0.0	17593.5	98.70661
Co 228.615	498.582	ppb	0.0672	0.0	5724.73	99.71647
Cr 267.716	4968.45	ppb	8.9129	0.2	207688	99.36900
Cu 324.754	4912.39	ppb	54.3506	1.1	237252	98.24774
Fe 271.441	4972.84	ppb	11.4677	0.2	8458.25	99.45679
K 766.491	10128.7	ppb	22.1512	0.2	497330	101.28680
Mg 279.078	4964.11	ppb	6.0926	0.1	10054.7	99.28214
Mn 257.610	4987.52	ppb	6.1770	0.1	1131064	99.75035
Mo 202.032	492.745	ppb	1.0514	0.2	3187.97	98.54910
Na 330.237	7420.20	ppb	63.7131	0.9	349.575	98.93602
Ni 231.604	2500.68	ppb	2.8200	0.1	5912.04	100.02716
Pb 220.353	497.129	ppb	2.4569	0.5	802.171	99.42585
Sb 206.834	921.064	ppb	2.5712	0.3	925.693	92.10644
Se 196.026	4920.78	ppb	26.5279	0.5	2256.67	98.41562
Sn 189.925	5068.60	ppb	24.7508	0.5	3833.69	101.37199
Sr 216.596	2494.20	ppb	6.9316	0.3	23452.9	99.76793
Ti 334.941	500.559	ppb	0.6181	0.1	127649	100.11172
Tl 190.794	4996.80	ppb	5.3714	0.1	3294.68	99.93594
V 292.401	4952.71	ppb	7.2984	0.1	135830	99.05417
Zn 206.200	2474.03	ppb	8.9843	0.4	3742.04	98.96126

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/27/2013, 6:29:02 PM Rack 1, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9540u	-0.4700u	-0.4305u
Al 308.215	-0.2405u	5.7613	0.4982
As 188.980	-7.3005u	-0.3376u	-4.9880u
B 249.678	35.4979	29.8786	24.1688
Ba 389.178	0.7893	-1.4649u	0.5272
Be 313.042	-0.0349u	-0.0330u	-0.0238u
Ca 370.602	-0.0098	0.6692	-1.385u
Cd 226.502	-0.0732u	-0.1609u	0.0449
Co 228.615	0.0053	0.3997	0.3180
Cr 267.716	-0.0252u	-0.2032u	-0.1638u
Cu 324.754	-0.0030u	-0.3872u	-0.2004u
Fe 271.441	3.0856	2.7414	1.0066
K 766.491	0.1929	-0.0613u	0.2405
Mg 279.078	-0.8291u	3.5271	3.3198
Mn 257.610	-0.1266u	-0.1111u	-0.0295u
Mo 202.032	-1.5666u	-0.5418u	-0.5383u
Na 330.237	170.066	-150.442u	116.486
Ni 231.604	-0.5794u	-0.5117u	0.4403
Pb 220.353	0.4474	1.7154	0.9966
Sb 206.834	5.4205	7.2334	7.5998
Se 196.026	-1.4855u	3.6462	-1.0442u
Sn 189.925	0.0182	-1.8638u	1.9936
Sr 216.596	-0.3086u	-0.7128u	-0.6751u
Ti 334.941	-0.0587u	-0.1070u	-0.1218u
Tl 190.794	-2.7941u	-2.8373u	-0.0262u
V 292.401	0.5202	0.2402	0.3450
Zn 206.200	0.5350	-1.1922u	0.8395

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6182	ppb	0.2915	47.2	-75.2041	-0.61815
Al 308.215	2.0063	ppb	3.2728	163.1	255.126	2.00635
As 188.980	-4.2087	ppb	3.5463	84.3	-0.2138	-4.20870
B 249.678	29.8484	ppb	5.6646	19.0	631.777	29.84844
Ba 389.178	-0.0495	ppb	1.2328	2492.7	-19.5623	-0.04946
Be 313.042	-0.0305	ppb	0.0060	19.5	-231.701	-0.03054
Ca 370.602	-0.2419	ppb	1.047	432.7	-4.295	-0.24188
Cd 226.502	-0.0631	ppb	0.1033	163.7	10.7473	-0.06307
Co 228.615	0.2410	ppb	0.2082	86.4	16.4542	0.24102
Cr 267.716	-0.1307	ppb	0.0935	71.5	3.9326	-0.13072
Cu 324.754	-0.1969	ppb	0.1921	97.6	98.2380	-0.19689
Fe 271.441	2.2778	ppb	1.1143	48.9	6.3312	2.27785
K 766.491	0.1241	ppb	0.1623	130.8	231.363	0.12407
Mg 279.078	2.0059	ppb	2.4574	122.5	25.8897	2.00591
Mn 257.610	-0.0891	ppb	0.0521	58.5	51.4688	-0.08909
Mo 202.032	-0.8822	ppb	0.5927	67.2	9.5824	-0.88224
Na 330.237	45.3700	ppb	171.681	378.4	-1.4996	45.37004
Ni 231.604	-0.2169	ppb	0.5702	262.8	0.4370	-0.21695
Pb 220.353	1.0531	ppb	0.6359	60.4	4.1706	1.05315
Sb 206.834	6.7512	ppb	1.1669	17.3	7.7426	6.75123
Se 196.026	0.3722	ppb	2.8440	764.2	0.3379	0.37217
Sn 189.925	0.0493	ppb	1.9289	3910.5	0.8512	0.04932
Sr 216.596	-0.5655	ppb	0.2233	39.5	5.1856	-0.56551
Ti 334.941	-0.0958	ppb	0.0330	34.4	-54.5167	-0.09584
Tl 190.794	-1.8859	ppb	1.6107	85.4	-1.5029	-1.88586
V 292.401	0.3685	ppb	0.1414	38.4	4.5704	0.36848
Zn 206.200	0.0608	ppb	1.0957	1802.5	2.8534	0.06079

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680-88635-d-1-a (Samp)

3/27/2013, 6:34:26 PM

Rack 1, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4109u	-1.1306u	-0.5174u
Al 308.215	40.4297	37.7920	39.6873
As 188.980	1.0467	9.0830	-0.1771u
B 249.678	-7.5109u	-9.6690u	-8.9801u
Ba 389.178	32.3130	32.2382	32.7133
Be 313.042	-0.0239u	-0.0295u	-0.0253u
Ca 370.602	2893	2863	2877
Cd 226.502	3.0909	3.0039	2.8479
Co 228.615	2.7135	2.6754	2.5734
Cr 267.716	-0.2242u	0.0348	-0.1793u
Cu 324.754	124.666	122.360	122.947
Fe 271.441	1766.53	1754.30	1760.74
K 766.491	7617.14	7561.94	7628.66
Mg 279.078	686.159	674.372	687.417
Mn 257.610	213.571	211.311	212.579
Mo 202.032	4.3475	4.1936	3.4342
Na 330.237	9096.27	8887.82	9311.86
Ni 231.604	1.6679	1.3599	2.4783
Pb 220.353	-0.6835u	-0.0448u	1.3505
Sb 206.834	-2.4011u	0.1957	-1.3453u
Se 196.026	6.2910	-4.5677u	5.5820
Sn 189.925	4.5163	0.8359	0.5127
Sr 216.596	22.9986	23.5401	23.9223
Ti 334.941	0.0272	0.1412	0.0796
Tl 190.794	1.0373	-0.0132u	-4.6544u
V 292.401	0.0976	0.1242	-0.0443u
Zn 206.200	243.326	240.369	240.415

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6863	ppb	0.3884	56.6	-80.0704
Al 308.215	39.3030	ppb	1.3602	3.5	469.251
As 188.980	3.3176	ppb	5.0304	151.6	3.8767
B 249.678	-8.7200	ppb	1.1023	12.6	276.925
Ba 389.178	32.4215	ppb	0.2555	0.8	761.831
Be 313.042	-0.0262	ppb	0.0029	11.2	-224.601
Ca 370.602	2878	ppb	14.87	0.5	9147
Cd 226.502	2.9809	ppb	0.1231	4.1	123.156
Co 228.615	2.6541	ppb	0.0724	2.7	43.8601
Cr 267.716	-0.1229	ppb	0.1384	112.6	5.5382
Cu 324.754	123.324	ppb	1.1988	1.0	6062.66
Fe 271.441	1760.53	ppb	6.1159	0.3	2953.51
K 766.491	7602.58	ppb	35.6638	0.5	373352
Mg 279.078	682.649	ppb	7.1958	1.1	1409.21
Mn 257.610	212.487	ppb	1.1326	0.5	48262.9
Mo 202.032	3.9918	ppb	0.4890	12.2	40.9714
Na 330.237	9098.65	ppb	212.029	2.3	455.935
Ni 231.604	1.8354	ppb	0.5777	31.5	5.3213
Pb 220.353	0.2074	ppb	1.0402	501.6	2.8473
Sb 206.834	-1.1836	ppb	1.3059	110.3	0.1464
Se 196.026	2.4351	ppb	6.0749	249.5	1.3370
Sn 189.925	1.9550	ppb	2.2241	113.8	2.2963
Sr 216.596	23.4870	ppb	0.4641	2.0	232.456
Ti 334.941	0.0827	ppb	0.0571	69.0	-6.6610
Tl 190.794	-1.2101	ppb	3.0287	250.3	-1.3231
V 292.401	0.0592	ppb	0.0906	153.1	-4.8639
Zn 206.200	241.370	ppb	1.6940	0.7	269.021

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

mb 680-270754/1-a (Samp) 3/27/2013, 6:39:50 PM Rack 1, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0233	-1.1083u	-1.2688u
Al 308.215	1.5636	1.2983	1.9890
As 188.980	1.0753	-0.2656u	-7.1785u
B 249.678	-21.3504u	-21.1294u	-21.9414u
Ba 389.178	-1.0031u	-1.3193u	-0.9934u
Be 313.042	-0.0441u	-0.0448u	-0.0461u
Ca 370.602	6.460	7.026	5.737
Cd 226.502	0.0576	-0.0710u	-0.0737u
Co 228.615	0.0494	0.0535	-0.5781u
Cr 267.716	-0.3471u	-0.2348u	-0.3821u
Cu 324.754	-0.1493u	0.2955	-0.1401u
Fe 271.441	2.2327	5.5807	2.1318
K 766.491	0.2749	1.4049	-0.0194u
Mg 279.078	3.1551	2.8696	-0.3927u
Mn 257.610	-0.0926u	-0.0539u	-0.1216u
Mo 202.032	-0.7237u	-0.5312u	-0.8868u
Na 330.237	57.1380	173.645	151.864
Ni 231.604	0.3405	2.1731	-0.5037u
Pb 220.353	-1.3230u	2.6787	-0.7227u
Sb 206.834	5.2899	-2.4982u	0.1745
Se 196.026	6.8089	11.8975	9.3536
Sn 189.925	-0.2666u	-0.9048u	-0.5746u
Sr 216.596	0.6252	-0.4005u	-0.4454u
Ti 334.941	-0.1887u	-0.2514u	-0.2384u
Tl 190.794	-3.1882u	5.1110	-2.3629u
V 292.401	-0.1001u	0.2921	0.2653
Zn 206.200	1.5492	1.7863	0.0935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7846	ppb	0.7043	89.8	-86.8417
Al 308.215	1.6170	ppb	0.3485	21.5	252.882
As 188.980	-2.1229	ppb	4.4293	208.6	0.9186
B 249.678	-21.4737	ppb	0.4198	2.0	161.708
Ba 389.178	-1.1053	ppb	0.1854	16.8	-44.8239
Be 313.042	-0.0450	ppb	0.0010	2.2	-259.656
Ca 370.602	6.408	ppb	0.6461	10.1	16.91
Cd 226.502	-0.0291	ppb	0.0751	258.2	11.9643
Co 228.615	-0.1584	ppb	0.3635	229.5	11.8876
Cr 267.716	-0.3213	ppb	0.0769	23.9	-4.0328
Cu 324.754	0.0021	ppb	0.2542	12376.5	107.842
Fe 271.441	3.3151	ppb	1.9628	59.2	8.0298
K 766.491	0.5534	ppb	0.7519	135.9	252.436
Mg 279.078	1.8773	ppb	1.9711	105.0	25.6283
Mn 257.610	-0.0894	ppb	0.0340	38.0	51.4079
Mo 202.032	-0.7139	ppb	0.1780	24.9	10.6695
Na 330.237	127.549	ppb	61.9424	48.6	2.6672
Ni 231.604	0.6699	ppb	1.3685	204.3	2.5335
Pb 220.353	0.2110	ppb	2.1581	1022.7	2.8161
Sb 206.834	0.9887	ppb	3.9573	400.2	2.2388
Se 196.026	9.3533	ppb	2.5443	27.2	4.4543
Sn 189.925	-0.5820	ppb	0.3192	54.8	0.3738
Sr 216.596	-0.0736	ppb	0.6056	823.2	9.8237
Ti 334.941	-0.2262	ppb	0.0331	14.6	-87.7685
Tl 190.794	-0.1467	ppb	4.5720	3116.8	-0.3551
V 292.401	0.1524	ppb	0.2191	143.8	-1.3343
Zn 206.200	1.1430	ppb	0.9166	80.2	4.4960

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

ics 680-270754/2-a (Samp) 3/27/2013, 6:45:14 PM Rack 1, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.4031	9.8891	10.7764
Al 308.215	4866.85	4864.94	4832.62
As 188.980	95.4315	93.6946	87.1500
B 249.678	174.750	174.233	175.506
Ba 389.178	100.782	100.643	99.6404
Be 313.042	50.5026	50.4904	50.1137
Ca 370.602	4845	4833	4807
Cd 226.502	50.7194	50.5164	50.2529
Co 228.615	51.3949	50.2179	49.9665
Cr 267.716	100.891	100.861	99.9273
Cu 324.754	98.6834	98.0816	97.5378
Fe 271.441	4957.14	4963.19	4930.81
K 766.491	4967.54	4966.15	4931.79
Mg 279.078	4940.32	4949.33	4917.46
Mn 257.610	510.420	510.668	506.404
Mo 202.032	99.8865	99.2624	98.0608
Na 330.237	4882.73	4694.18	4457.83
Ni 231.604	99.3769	99.4828	100.244
Pb 220.353	52.6880	47.2112	53.8259
Sb 206.834	43.0092	54.9386	48.2043
Se 196.026	81.7107	94.1974	93.7242
Sn 189.925	200.671	198.378	193.615
Sr 216.596	100.732	101.497	100.739
Ti 334.941	99.6278	99.7882	99.2678
Tl 190.794	37.7556	32.0208	35.5133
V 292.401	101.733	101.116	100.133
Zn 206.200	102.277	100.565	99.0305

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3562	ppb	0.4455	4.3	690.299
Al 308.215	4854.80	ppb	19.2320	0.4	28051.0
As 188.980	92.0921	ppb	4.3672	4.7	52.0372
B 249.678	174.830	ppb	0.6403	0.4	1955.15
Ba 389.178	100.355	ppb	0.6229	0.6	2404.23
Be 313.042	50.3689	ppb	0.2211	0.4	97318.7
Ca 370.602	4828	ppb	19.18	0.4	15207
Cd 226.502	50.4963	ppb	0.2339	0.5	1822.11
Co 228.615	50.5264	ppb	0.7625	1.5	590.846
Cr 267.716	100.560	ppb	0.5482	0.5	4215.21
Cu 324.754	98.1009	ppb	0.5730	0.6	4847.30
Fe 271.441	4950.38	ppb	17.2190	0.3	8308.06
K 766.491	4955.16	ppb	20.2516	0.4	243419
Mg 279.078	4935.71	ppb	16.4289	0.3	10066.3
Mn 257.610	509.164	ppb	2.3937	0.5	115568
Mo 202.032	99.0699	ppb	0.9280	0.9	654.495
Na 330.237	4678.25	ppb	212.901	4.6	230.795
Ni 231.604	99.7014	ppb	0.4732	0.5	236.714
Pb 220.353	51.2417	ppb	3.5366	6.9	84.7398
Sb 206.834	48.7174	ppb	5.9812	12.3	48.0004
Se 196.026	89.8774	ppb	7.0766	7.9	41.4912
Sn 189.925	197.554	ppb	3.5990	1.8	150.208
Sr 216.596	100.989	ppb	0.4394	0.4	959.299
Ti 334.941	99.5613	ppb	0.2665	0.3	25381.9
Tl 190.794	35.0966	ppb	2.8900	8.2	22.2692
V 292.401	100.994	ppb	0.8070	0.8	2748.27
Zn 206.200	100.624	ppb	1.6241	1.6	155.179

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ics 680-270754/3-a (Samp) 3/27/2013, 6:50:39 PM Rack 1, Tube 30
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	197.295	196.314	199.204
Al 308.215	1865.71	1864.81	1876.02
As 188.980	186.496	199.288	199.292
B 249.678	362.289	363.860	369.224
Ba 389.178	188.139	188.380	190.366
Be 313.042	194.273	194.628	195.305
Ca 370.602	18792	18829	18946
Cd 226.502	190.874	190.288	191.585
Co 228.615	191.229	191.600	193.166
Cr 267.716	191.731	192.239	193.425
Cu 324.754	194.255	191.335	194.724
Fe 271.441	19785.5	19804.0	19915.8
K 766.491	18846.1	18873.1	18980.5
Mg 279.078	19126.3	19123.1	19228.0
Mn 257.610	1959.38	1960.61	1971.53
Mo 202.032	190.815	191.923	192.650
Na 330.237	16941.9	16695.0	16786.5
Ni 231.604	190.882	190.192	191.424
Pb 220.353	189.931	192.090	189.200
Sb 206.834	189.299	183.926	178.456
Se 196.026	186.357	202.286	192.893
Sn 189.925	194.717	197.257	190.641
Sr 216.596	204.777	205.413	206.663
Ti 334.941	192.331	193.341	194.145
Tl 190.794	47.1164	43.4217	40.9071
V 292.401	192.101	192.292	192.936
Zn 206.200	177.574	179.455	180.243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	197.604	ppb	1.4694	0.7	13780.1
Al 308.215	1868.85	ppb	6.2295	0.3	10965.5
As 188.980	195.025	ppb	7.3866	3.8	107.869
B 249.678	365.124	ppb	3.6362	1.0	3684.45
Ba 389.178	188.962	ppb	1.2219	0.6	4585.39
Be 313.042	194.735	ppb	0.5243	0.3	376782
Ca 370.602	18855	ppb	80.44	0.4	59310
Cd 226.502	190.916	ppb	0.6496	0.3	6855.54
Co 228.615	191.998	ppb	1.0278	0.5	2207.99
Cr 267.716	192.465	ppb	0.8693	0.5	8064.18
Cu 324.754	193.438	ppb	1.8363	0.9	9456.16
Fe 271.441	19835.1	ppb	70.5063	0.4	33277.4
K 766.491	18899.9	ppb	71.0876	0.4	927812
Mg 279.078	19159.1	ppb	59.6901	0.3	39017.1
Mn 257.610	1963.84	ppb	6.6883	0.3	445544
Mo 202.032	191.796	ppb	0.9241	0.5	1252.33
Na 330.237	16807.8	ppb	124.829	0.7	841.028
Ni 231.604	190.833	ppb	0.6176	0.3	452.405
Pb 220.353	190.407	ppb	1.5030	0.8	308.776
Sb 206.834	183.894	ppb	5.4218	2.9	178.176
Se 196.026	193.845	ppb	8.0071	4.1	89.5172
Sn 189.925	194.205	ppb	3.3377	1.7	147.684
Sr 216.596	205.618	ppb	0.9597	0.5	1947.07
Ti 334.941	193.272	ppb	0.9091	0.5	49340.3
Tl 190.794	43.8151	ppb	3.1233	7.1	26.1619
V 292.401	192.443	ppb	0.4376	0.2	5241.49
Zn 206.200	179.091	ppb	1.3714	0.8	274.073

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88541-a-4-b (Samp) **3/27/2013, 6:56:04 PM** **Rack 1, Tube 31****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.5083	1.7050	1.7142
Al 308.215	60.4232	62.2783	59.6517
As 188.980	0.7195	-1.8108u	-4.2010u
B 249.678	39.5777	38.3684	37.4197
Ba 389.178	25.4605	24.6743	23.9574
Be 313.042	-0.0403u	-0.0430u	-0.0416u
Ca 370.602	13095	13116	13102
Cd 226.502	640.632	641.071	639.069
Co 228.615	0.2377	-0.5402u	0.5630
Cr 267.716	76.7144	76.9609	76.8992
Cu 324.754	5.3058	4.2428	4.8283
Fe 271.441	62.3484	63.4846	67.1828
K 766.491	3452.21	3441.33	3432.53
Mg 279.078	2180.82	2187.99	2187.74
Mn 257.610	7.8832	7.8377	7.8022
Mo 202.032	0.0472	0.7305	-0.0243u
Na 330.237	13930.6	13918.0	13975.3
Ni 231.604	34.8261	37.7113	35.5899
Pb 220.353	-0.2709u	1.2337	-0.8370u
Sb 206.834	-2.4785u	1.3221	4.3101
Se 196.026	-0.0053u	-4.6719u	2.8536
Sn 189.925	-2.5954u	-2.2067u	2.6501
Sr 216.596	88.9588	88.9926	89.1388
Ti 334.941	9.3460	9.3694	9.3865
Tl 190.794	3.4559	-0.6222u	0.0763
V 292.401	0.3394	0.9327	0.8846
Zn 206.200	10.0798	10.9159	9.7355

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6425	ppb	0.1163	7.1	79.0882
Al 308.215	60.7844	ppb	1.3500	2.2	591.763
As 188.980	-1.7641	ppb	2.4606	139.5	1.2090
B 249.678	38.4553	ppb	1.0816	2.8	710.556
Ba 389.178	24.6974	ppb	0.7518	3.0	578.567
Be 313.042	-0.0416	ppb	0.0014	3.3	-250.603
Ca 370.602	13104	ppb	10.67	0.1	42293
Cd 226.502	640.257	ppb	1.0519	0.2	22805.0
Co 228.615	0.0868	ppb	0.5669	652.8	15.1540
Cr 267.716	76.8582	ppb	0.1283	0.2	3217.33
Cu 324.754	4.7923	ppb	0.5324	11.1	339.163
Fe 271.441	64.3386	ppb	2.5278	3.9	110.538
K 766.491	3442.03	ppb	9.8555	0.3	169156
Mg 279.078	2185.52	ppb	4.0699	0.2	4473.07
Mn 257.610	7.8410	ppb	0.0406	0.5	1861.91
Mo 202.032	0.2511	ppb	0.4167	165.9	16.8963
Na 330.237	13941.3	ppb	30.0758	0.2	703.984
Ni 231.604	36.0424	ppb	1.4949	4.1	86.1466
Pb 220.353	0.0420	ppb	1.0702	2550.6	2.5384
Sb 206.834	1.0512	ppb	3.4024	323.7	3.0068
Se 196.026	-0.6079	ppb	3.7988	624.9	-0.1093
Sn 189.925	-0.7173	ppb	2.9227	407.4	0.2810
Sr 216.596	89.0301	ppb	0.0956	0.1	849.691
Ti 334.941	9.3673	ppb	0.0203	0.2	2366.87
Tl 190.794	0.9700	ppb	2.1810	224.8	0.3723
V 292.401	0.7189	ppb	0.3296	45.8	9.3857
Zn 206.200	10.2437	ppb	0.6070	5.9	181.797

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680-88541-a-4-bSD^5 (Samp) **3/27/2013, 7:01:29 PM** **Rack 1, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0188u	-0.5313u	-0.4704u
Al 308.215	14.6281	14.7413	12.5444
As 188.980	-6.1928u	0.3238	-8.0879u
B 249.678	-14.8162u	-15.0758u	-14.2925u
Ba 389.178	5.5494	5.5640	6.0325
Be 313.042	-0.0376u	-0.0367u	-0.0419u
Ca 370.602	3058	3001	2973
Cd 226.502	151.897	148.387	146.742
Co 228.615	-0.1078u	-0.2866u	-0.7673u
Cr 267.716	17.4095	17.3022	17.0763
Cu 324.754	0.7064	0.5082	0.2476
Fe 271.441	17.9814	19.4533	8.9097
K 766.491	822.136	803.128	792.810
Mg 279.078	526.485	511.246	504.318
Mn 257.610	1.8213	1.7115	1.6702
Mo 202.032	-0.9078u	-0.4958u	0.0613
Na 330.237	3250.33	3397.52	3100.20
Ni 231.604	8.8826	7.3767	9.0869
Pb 220.353	-1.6246u	1.4801	0.3799
Sb 206.834	2.7156	2.4046	-2.1044u
Se 196.026	1.4054	-4.1834u	0.5139
Sn 189.925	-4.7036u	-0.6250u	-1.6573u
Sr 216.596	20.7755	20.4699	20.3097
Ti 334.941	1.9826	2.0756	1.9440
Tl 190.794	2.6996	-4.9191u	2.6478
V 292.401	0.3648	0.6473	0.2727
Zn 206.200	2.0916	2.3733	2.7153

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6735	ppb	0.3006	44.6	-79.9196
Al 308.215	13.9713	ppb	1.2370	8.9	323.685
As 188.980	-4.6523	ppb	4.4124	94.8	-0.4328
B 249.678	-14.7282	ppb	0.3990	2.7	223.483
Ba 389.178	5.7153	ppb	0.2748	4.8	119.780
Be 313.042	-0.0387	ppb	0.0028	7.2	-246.992
Ca 370.602	3010	ppb	43.74	1.5	9713
Cd 226.502	149.009	ppb	2.6331	1.8	5317.42
Co 228.615	-0.3872	ppb	0.3411	88.1	9.3667
Cr 267.716	17.2627	ppb	0.1701	1.0	729.871
Cu 324.754	0.4874	ppb	0.2301	47.2	131.292
Fe 271.441	15.4481	ppb	5.7101	37.0	28.3659
K 766.491	806.025	ppb	14.8763	1.8	39784.1
Mg 279.078	514.016	ppb	11.3398	2.2	1068.71
Mn 257.610	1.7343	ppb	0.0781	4.5	467.805
Mo 202.032	-0.4475	ppb	0.4863	108.7	12.3888
Na 330.237	3249.35	ppb	148.659	4.6	161.166
Ni 231.604	8.4487	ppb	0.9340	11.1	20.9209
Pb 220.353	0.0785	ppb	1.5741	2006.5	2.6012
Sb 206.834	1.0053	ppb	2.6975	268.3	2.4115
Se 196.026	-0.7547	ppb	3.0026	397.8	-0.1781
Sn 189.925	-2.3287	ppb	2.1205	91.1	-0.9448
Sr 216.596	20.5184	ppb	0.2366	1.2	203.892
Ti 334.941	2.0007	ppb	0.0677	3.4	482.052
Tl 190.794	0.1428	ppb	4.3838	3070.3	-0.1664
V 292.401	0.4282	ppb	0.1952	45.6	5.0769
Zn 206.200	2.3934	ppb	0.3123	13.1	63648

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680-88541-a-4-bPDS (Samp) 3/27/2013, 7:06:54 PM Rack 1, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	52.0135	52.9384	52.1606
Al 308.215	1984.69	1994.22	1993.28
As 188.980	2130.51	2153.47	2129.81
B 249.678	1058.86	1072.21	1078.70
Ba 389.178	2063.88	2070.70	2066.00
Be 313.042	50.4883	50.5779	50.5352
Ca 370.602	17972	18048	18027
Cd 226.502	684.051	687.067	684.238
Co 228.615	510.665	508.166	507.988
Cr 267.716	277.097	278.023	278.485
Cu 324.754	260.949	255.139	255.712
Fe 271.441	1074.17	1073.27	1074.45
K 766.491	8694.27	8701.81	8656.77
Mg 279.078	7215.30	7228.45	7224.09
Mn 257.610	522.503	524.445	523.247
Mo 202.032	509.138	511.578	511.415
Na 330.237	18809.8	19028.9	18981.5
Ni 231.604	536.901	539.424	540.499
Pb 220.353	500.510	505.307	497.297
Sb 206.834	498.290	501.094	494.661
Se 196.026	2006.03	2033.84	2016.88
Sn 189.925	1029.48	1034.37	1028.05
Sr 216.596	606.676	609.216	611.259
Ti 334.941	1019.66	1022.10	1021.73
Tl 190.794	2069.37	2067.58	2081.33
V 292.401	506.178	506.981	505.562
Zn 206.200	508.619	507.112	505.324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.3708	ppb	0.4970	0.9	3608.03
Al 308.215	1990.73	ppb	5.2526	0.3	11700.0
As 188.980	2137.93	ppb	13.4627	0.6	1162.78
B 249.678	1069.92	ppb	10.1163	0.9	10156.9
Ba 389.178	2066.86	ppb	3.4915	0.2	49461.6
Be 313.042	50.5338	ppb	0.0448	0.1	97558.1
Ca 370.602	18015	ppb	39.31	0.2	58267
Cd 226.502	685.119	ppb	1.6896	0.2	24404.4
Co 228.615	508.940	ppb	1.4970	0.3	5843.85
Cr 267.716	277.868	ppb	0.7070	0.3	11619.8
Cu 324.754	257.267	ppb	3.2016	1.2	12538.0
Fe 271.441	1073.96	ppb	0.6181	0.1	1884.83
K 766.491	8684.28	ppb	24.1241	0.3	426441
Mg 279.078	7222.61	ppb	6.6980	0.1	14724.1
Mn 257.610	523.398	ppb	0.9795	0.2	118798
Mo 202.032	510.710	ppb	1.3638	0.3	3311.59
Na 330.237	18940.1	ppb	115.236	0.6	946.109
Ni 231.604	538.942	ppb	1.8467	0.3	1274.90
Pb 220.353	501.038	ppb	4.0309	0.8	807.272
Sb 206.834	498.015	ppb	3.2253	0.6	473.512
Se 196.026	2018.91	ppb	14.0177	0.7	925.622
Sn 189.925	1030.63	ppb	3.3134	0.3	780.192
Sr 216.596	609.050	ppb	2.2959	0.4	5724.87
Ti 334.941	1021.16	ppb	1.3181	0.1	260427
Tl 190.794	2072.76	ppb	7.4724	0.4	1367.58
V 292.401	506.241	ppb	0.7117	0.1	13817.6
Zn 206.200	507.018	ppb	1.6494	0.3	771.393

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680-88541-a-4-c ms (Samp) 3/27/2013, 7:12:20 PM Rack 1, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.2638	12.1677	12.9438
Al 308.215	4799.04	4778.88	4766.15
As 188.980	100.073	100.512	85.2095
B 249.678	244.839	242.163	242.353
Ba 389.178	121.516	119.658	120.744
Be 313.042	49.4997	49.1237	49.0836
Ca 370.602	16924	16765	16749
Cd 226.502	641.916	638.359	637.304
Co 228.615	49.4785	48.6713	48.2317
Cr 267.716	168.807	167.183	167.762
Cu 324.754	103.655	100.976	100.292
Fe 271.441	4885.97	4852.42	4836.08
K 766.491	8228.53	8128.58	8099.35
Mg 279.078	6851.58	6785.58	6785.64
Mn 257.610	505.036	501.330	501.040
Mo 202.032	97.0216	98.5386	96.4048
Na 330.237	17641.0	17492.7	17593.0
Ni 231.604	129.093	130.547	129.158
Pb 220.353	47.1625	48.7136	46.5035
Sb 206.834	51.7207	49.1259	48.0363
Se 196.026	86.3219	86.8492	96.5067
Sn 189.925	192.201	185.028	196.218
Sr 216.596	180.691	180.169	179.706
Ti 334.941	106.879	105.735	105.664
Tl 190.794	36.7103	41.4245	37.9075
V 292.401	99.7408	98.8500	98.7338
Zn 206.200	104.162	104.602	106.231

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.4584	ppb	0.4231	3.4	833.820
Al 308.215	4781.36	ppb	16.5835	0.3	27630.3
As 188.980	95.2648	ppb	8.7108	9.1	53.8493
B 249.678	243.118	ppb	1.4928	0.6	2580.71
Ba 389.178	120.639	ppb	0.9334	0.8	2894.47
Be 313.042	49.2357	ppb	0.2295	0.5	95127.7
Ca 370.602	16813	ppb	96.77	0.6	53899
Cd 226.502	639.193	ppb	2.4165	0.4	22778.3
Co 228.615	48.7938	ppb	0.6324	1.3	571.487
Cr 267.716	167.917	ppb	0.8229	0.5	7026.31
Cu 324.754	101.641	ppb	1.7775	1.7	5018.17
Fe 271.441	4858.16	ppb	25.4378	0.5	8153.37
K 766.491	8152.15	ppb	67.7394	0.8	400324
Mg 279.078	6807.60	ppb	38.0871	0.6	13879.0
Mn 257.610	502.469	ppb	2.2282	0.4	114060
Mo 202.032	97.3217	ppb	1.0981	1.1	643.216
Na 330.237	17575.6	ppb	75.6718	0.4	885.679
Ni 231.604	129.599	ppb	0.8211	0.6	307.383
Pb 220.353	47.4599	ppb	1.1347	2.4	78.6551
Sb 206.834	49.6276	ppb	1.8928	3.8	49.5149
Se 196.026	89.8926	ppb	5.7341	6.4	41.4964
Sn 189.925	191.149	ppb	5.6688	3.0	145.373
Sr 216.596	180.189	ppb	0.4927	0.3	1705.90
Ti 334.941	106.093	ppb	0.6821	0.6	27054.4
Tl 190.794	38.6808	ppb	2.4504	6.3	24.6441
V 292.401	99.1082	ppb	0.5509	0.6	2692.65
Zn 206.200	104.999	ppb	1.0896	1.0	161.711

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680-88541-a-4-d msd (Samp) 3/27/2013, 7:17:46 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.6438	11.9478	12.4746
Al 308.215	4811.61	4812.72	4803.90
As 188.980	93.4824	97.3248	99.7048
B 249.678	232.159	233.664	234.879
Ba 389.178	120.626	122.292	121.019
Be 313.042	49.4708	49.4862	49.3738
Ca 370.602	16989	16986	16965
Cd 226.502	647.512	646.746	645.848
Co 228.615	49.4094	49.1057	48.9265
Cr 267.716	167.821	168.116	168.596
Cu 324.754	101.645	101.149	100.159
Fe 271.441	4892.09	4903.01	4876.11
K 766.491	8285.36	8271.20	8210.89
Mg 279.078	6874.65	6863.81	6845.81
Mn 257.610	504.931	504.587	504.620
Mo 202.032	97.6683	96.4157	96.7225
Na 330.237	17750.9	17923.3	17678.9
Ni 231.604	129.776	129.238	129.437
Pb 220.353	47.1619	46.8693	49.1753
Sb 206.834	50.2361	50.4669	46.5113
Se 196.026	90.7523	98.3134	95.7465
Sn 189.925	189.545	190.631	191.102
Sr 216.596	181.717	181.756	181.518
Ti 334.941	106.300	106.277	106.319
Tl 190.794	34.5871	51.6119	31.5857
V 292.401	99.2040	99.8074	98.9796
Zn 206.200	103.564	107.935	107.049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.3554	ppb	0.3630	2.9	826.551
Al 308.215	4809.41	ppb	4.8066	0.1	27790.9
As 188.980	96.8373	ppb	3.1397	3.2	54.7042
B 249.678	233.567	ppb	1.3624	0.6	2493.20
Ba 389.178	121.312	ppb	0.8710	0.7	2910.77
Be 313.042	49.4436	ppb	0.0609	0.1	95530.3
Ca 370.602	16980	ppb	13.39	0.1	54437
Cd 226.502	646.702	ppb	0.8328	0.1	23045.6
Co 228.615	49.1472	ppb	0.2441	0.5	575.539
Cr 267.716	168.177	ppb	0.3910	0.2	7037.14
Cu 324.754	100.984	ppb	0.7565	0.7	4986.46
Fe 271.441	4890.40	ppb	13.5283	0.3	8207.45
K 766.491	8255.82	ppb	39.5488	0.5	405412
Mg 279.078	6861.42	ppb	14.5654	0.2	13988.6
Mn 257.610	504.713	ppb	0.1899	0.0	114569
Mo 202.032	96.9355	ppb	0.6529	0.7	640.722
Na 330.237	17784.4	ppb	125.594	0.7	896.263
Ni 231.604	129.484	ppb	0.2721	0.2	307.111
Pb 220.353	47.7355	ppb	1.2555	2.6	79.0983
Sb 206.834	49.0714	ppb	2.2201	4.5	48.9917
Se 196.026	94.9374	ppb	3.8449	4.0	43.8092
Sn 189.925	190.426	ppb	0.7988	0.4	144.826
Sr 216.596	181.664	ppb	0.1275	0.1	1719.83
Ti 334.941	106.299	ppb	0.0212	0.0	27107.1
Tl 190.794	39.2616	ppb	10.8005	27.5	25.0246
V 292.401	99.3303	ppb	0.4281	0.4	2698.75
Zn 206.200	106.183	ppb	2.3106	2.2	163.508

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680-88541-a-6-a (Samp)

3/27/2013, 7:23:24 PM

Rack 1, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2699u	-0.2266u	0.3928
Al 308.215	446.715	443.162	447.936
As 188.980	0.5219	-5.5908u	4.0682
B 249.678	58.8430	59.6456	59.3997
Ba 389.178	42.3262	42.8354	42.9450
Be 313.042	-0.0063u	-0.0037u	-0.0148u
Ca 370.602	11479	11497	11517
Cd 226.502	-0.1324u	-0.0705	0.0040
Co 228.615	0.1547	0.4690	0.6980
Cr 267.716	0.5082	0.5871	0.6816
Cu 324.754	17.7568	17.9033	16.9967
Fe 271.441	1493.83	1510.09	1495.47
K 766.491	5593.71	5589.94	5570.50
Mg 279.078	2189.49	2190.90	2193.05
Mn 257.610	170.900	171.110	171.255
Mo 202.032	0.1311	0.3565	-0.2637u
Na 330.237	21578.4	21865.9	21813.9
Ni 231.604	3.3865	1.7572	1.0508
Pb 220.353	5.8352	2.6203	1.4038
Sb 206.834	0.5623	-3.7487u	-6.6941u
Se 196.026	8.2590	1.9940	-4.3769u
Sn 189.925	0.7056	-1.6847u	-2.0797u
Sr 216.596	61.2622	61.5479	60.7809
Ti 334.941	6.1002	5.6643	6.0692
Tl 190.794	-2.4653u	-5.4246u	-1.3767u
V 292.401	1.1439	1.1304	1.3613
Zn 206.200	48.5224	51.0042	50.6610

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0346	ppb	0.3708	1072.6	-36.2999
Al 308.215	445.938	ppb	2.4800	0.6	2796.93
As 188.980	-0.3336	ppb	4.8860	1464.8	1.9611
B 249.678	59.2961	ppb	0.4112	0.7	900.130
Ba 389.178	42.7022	ppb	0.3302	0.8	1011.50
Be 313.042	-0.0083	ppb	0.0058	70.3	-187.693
Ca 370.602	11498	ppb	19.05	0.2	36992
Cd 226.502	-0.0663	ppb	0.0683	103.0	14.0214
Co 228.615	0.4406	ppb	0.2727	61.9	18.8215
Cr 267.716	0.5923	ppb	0.0868	14.7	35.4565
Cu 324.754	17.5523	ppb	0.4867	2.8	955.639
Fe 271.441	1499.80	ppb	8.9542	0.6	2516.26
K 766.491	5584.72	ppb	12.4607	0.2	274317
Mg 279.078	2191.14	ppb	1.7914	0.1	4482.14
Mn 257.610	171.088	ppb	0.1783	0.1	38883.1
Mo 202.032	0.0746	ppb	0.3139	420.6	15.6917
Na 330.237	21752.8	ppb	153.234	0.7	1099.96
Ni 231.604	2.0648	ppb	1.1978	58.0	5.8588
Pb 220.353	3.2864	ppb	2.2896	69.7	7.7873
Sb 206.834	-3.2935	ppb	3.6495	110.8	-1.8218
Se 196.026	1.9587	ppb	6.3180	322.6	1.1084
Sn 189.925	-1.0196	ppb	1.5071	147.8	0.0543
Sr 216.596	61.1970	ppb	0.3876	0.6	588.416
Ti 334.941	5.9446	ppb	0.2432	4.1	1493.59
Tl 190.794	-3.0889	ppb	2.0948	67.8	-2.5133
V 292.401	1.2119	ppb	0.1296	10.7	27.5176
Zn 206.200	50.0625	ppb	1.3448	2.7	78.8109

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Cont Calib Verif (CCV) **3/27/2013, 7:28:50 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	498.836	502.187	497.218
Al 308.215	5001.74	5017.68	4993.20
As 188.980	469.585	460.066	469.524
B 249.678	2508.45	2539.98	2548.57
Ba 389.178	4947.74	4959.54	4929.19
Be 313.042	492.660	494.240	491.248
Ca 370.602	4953	4968	4939
Cd 226.502	493.986	496.189	494.079
Co 228.615	497.885	498.936	496.710
Cr 267.716	4939.96	4948.56	4923.32
Cu 324.754	4913.34	4885.53	4878.71
Fe 271.441	4974.54	4995.69	4968.58
K 766.491	10136.4	10156.3	10056.2
Mg 279.078	4942.54	4960.75	4936.06
Mn 257.610	4988.06	4993.88	4966.82
Mo 202.032	490.482	490.163	488.785
Na 330.237	7427.17	7483.43	7238.21
Ni 231.604	2489.23	2494.12	2478.93
Pb 220.353	493.279	502.275	491.445
Sb 206.834	920.877	916.865	919.114
Se 196.026	4891.29	4896.96	4883.02
Sn 189.925	4998.85	5049.16	4986.19
Sr 216.596	2473.20	2476.82	2462.26
Ti 334.941	498.355	498.935	496.048
Tl 190.794	5008.54	4992.65	4977.67
V 292.401	4943.05	4960.43	4932.15
Zn 206.200	2472.56	2484.40	2468.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.414	ppb	2.5348	0.5	34820.3	99.88272
Al 308.215	5004.21	ppb	12.4213	0.2	28871.8	100.08413
As 188.980	466.392	ppb	5.4781	1.2	255.159	93.27837
B 249.678	2532.33	ppb	21.1227	0.8	23547.8	101.29339
Ba 389.178	4945.49	ppb	15.2992	0.3	118350	98.90977
Be 313.042	492.716	ppb	1.4964	0.3	953420	98.54321
Ca 370.602	4953	ppb	14.62	0.3	15851	99.06554
Cd 226.502	494.752	ppb	1.2460	0.3	17636.9	98.95030
Co 228.615	497.844	ppb	1.1132	0.2	5716.26	99.56874
Cr 267.716	4937.28	ppb	12.8344	0.3	206385	98.74560
Cu 324.754	4892.53	ppb	18.3467	0.4	236294	97.85056
Fe 271.441	4979.60	ppb	14.2463	0.3	8469.29	99.59209
K 766.491	10116.3	ppb	52.9925	0.5	496723	101.16322
Mg 279.078	4946.45	ppb	12.7989	0.3	10018.9	98.92899
Mn 257.610	4982.92	ppb	14.2405	0.3	1130021	99.65835
Mo 202.032	489.810	ppb	0.9018	0.2	3169.02	97.96199
Na 330.237	7382.93	ppb	128.457	1.7	347.672	98.43912
Ni 231.604	2487.43	ppb	7.7510	0.3	5880.72	99.49702
Pb 220.353	495.666	ppb	5.7963	1.2	799.817	99.13322
Sb 206.834	918.952	ppb	2.0108	0.2	923.647	91.89522
Se 196.026	4890.42	ppb	7.0117	0.1	2242.76	97.80844
Sn 189.925	5011.40	ppb	33.3092	0.7	3790.44	100.22795
Sr 216.596	2470.76	ppb	7.5830	0.3	23232.2	98.83044
Ti 334.941	497.779	ppb	1.5274	0.3	126940	99.55585
Tl 190.794	4992.96	ppb	15.4346	0.3	3292.15	99.85910
V 292.401	4945.21	ppb	14.2633	0.3	135624	98.90416
Zn 206.200	2475.17	ppb	8.2385	0.3	2743.78	99.00687

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Cont Calib Blank (CCB) 3/27/2013, 7:34:14 PM Rack 1, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5203u	-1.2796u	-0.9711u
Al 308.215	0.6445	0.1343	1.5125
As 188.980	2.3585	2.6518	-2.7308u
B 249.678	32.4408	27.7206	22.2387
Ba 389.178	-0.1399u	0.2202	-0.2253u
Be 313.042	-0.0273u	-0.0550u	-0.0241u
Ca 370.602	-2.976u	-7.030u	3.054
Cd 226.502	0.0174	-0.0586u	-0.0657u
Co 228.615	0.2507	-0.4545u	-0.8742u
Cr 267.716	-0.2006u	-0.0229u	-0.0300u
Cu 324.754	-0.6331u	-0.4361u	-0.4172u
Fe 271.441	-5.0285u	4.9133	-2.0873u
K 766.491	-0.9249u	-0.8387u	0.0982
Mg 279.078	-3.9342u	2.6744	4.2703
Mn 257.610	-0.0645u	-0.0872u	-0.1362u
Mo 202.032	-1.0401u	-0.2627u	-0.6913u
Na 330.237	290.480	325.412	167.544
Ni 231.604	-0.3663u	-0.4992u	-0.6425u
Pb 220.353	1.3545	-0.8570u	0.1125
Sb 206.834	1.1196	1.3591	6.4390
Se 196.026	0.0089	-5.3304u	-4.1006u
Sn 189.925	-1.1493u	-3.6139u	-1.9954u
Sr 216.596	0.0061	0.2507	-1.0680u
Ti 334.941	-0.0373u	-0.0992u	-0.0930u
Tl 190.794	4.5239	5.3445	3.2028
V 292.401	0.0544	0.3895	0.7883
Zn 206.200	0.0531	-0.0564u	0.5004

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-1.2570	ppb	0.2753	21.9	-119.845	-1.25698
Al 308.215	0.7638	ppb	0.6968	91.2	248.026	0.76376
As 188.980	0.7598	ppb	3.0265	398.3	2.4836	0.75980
B 249.678	27.4667	ppb	5.1057	18.6	609.963	27.46671
Ba 389.178	-0.0483	ppb	0.2365	489.3	-19.5400	-0.04833
Be 313.042	-0.0354	ppb	0.0170	47.9	-241.203	-0.03543
Ca 370.602	-2.317	ppb	5.074	219.0	-10.93	-2.31734
Cd 226.502	-0.0356	ppb	0.0460	129.2	11.7219	-0.03562
Co 228.615	-0.3593	ppb	0.5685	158.2	9.5871	-0.35931
Cr 267.716	-0.0845	ppb	0.1006	119.0	5.8671	-0.08449
Cu 324.754	-0.4955	ppb	0.1195	24.1	83.8252	-0.49546
Fe 271.441	-0.7342	ppb	5.1071	695.6	1.2692	-0.73418
K 766.491	-0.5551	ppb	0.5674	102.2	198.028	-0.55515
Mg 279.078	1.0035	ppb	4.3500	433.5	23.8483	1.00349
Mn 257.610	-0.0960	ppb	0.0366	38.2	49.8933	-0.09598
Mo 202.032	-0.6647	ppb	0.3894	58.6	10.9867	-0.66471
Na 330.237	261.145	ppb	82.9215	31.8	9.4587	261.14548
Ni 231.604	-0.5027	ppb	0.1381	27.5	-0.2384	-0.50268
Pb 220.353	0.2034	ppb	1.1086	545.1	2.8034	0.20337
Sb 206.834	2.9726	ppb	3.0044	101.1	4.1326	2.97257
Se 196.026	-3.1407	ppb	2.7961	89.0	-1.2721	-3.14070
Sn 189.925	-2.2529	ppb	1.2523	55.6	-0.8896	-2.25287
Sr 216.596	-0.2704	ppb	0.7015	259.4	7.9644	-0.27040
Ti 334.941	-0.0765	ppb	0.0341	44.6	-49.5968	-0.07648
Tl 190.794	4.3571	ppb	1.0805	24.8	2.6179	4.35705
V 292.401	0.4107	ppb	0.3674	89.5	5.7030	0.41073
Zn 206.200	0.1657	ppb	0.2950	178.0	3.0123	0.16571

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680-88541-a-7-a (Samp) 3/27/2013, 7:39:38 PM Rack 1, Tube 39
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6743u	-1.1993u	-1.2298u
Al 308.215	1401.18	1400.90	1400.88
As 188.980	-3.2321u	-5.0388u	-10.7807u
B 249.678	157.820	158.420	159.128
Ba 389.178	126.059	124.731	125.537
Be 313.042	-0.0034u	-0.0038u	0.0023u
Ca 370.602	40338	40240	40097
Cd 226.502	0.0414	-0.1701u	0.0799
Co 228.615	0.1927	0.1601	0.5694
Cr 267.716	2.1686	2.0886	2.0880
Cu 324.754	2.4858	1.8269	2.8926
Fe 271.441	539.282	530.854	537.619
K 766.491	69081.4x	69147.4x	69099.1x
Mg 279.078	6672.04	6664.29	6656.63
Mn 257.610	1683.76	1679.51	1681.64
Mo 202.032	3.4656	2.8492	3.2051
Na 330.237	493966x	495342x	494069x
Ni 231.604	2.6172	3.7500	1.0292
Pb 220.353	1.0509	2.0186	0.4352
Sb 206.834	-2.6702u	-3.0398u	4.6288
Se 196.026	1.6129	16.9729	-2.3760u
Sn 189.925	-2.4084u	-4.1101u	-5.7611u
Sr 216.596	228.078	226.735	225.984
Ti 334.941	12.9205	12.7418	12.6230
Tl 190.794	7.5077	4.0470	5.3774
V 292.401	5.9227	5.9245	5.5468
Zn 206.200	46.0121	45.4246	44.4937

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3678b	ppb	0.2659	19.4	-130.163
Al 308.215	1400.99b	ppb	0.1685	0.0	8265.40
As 188.980	-6.3505b	ppb	3.9416	62.1	-1.0860
B 249.678	158.456b	ppb	0.6551	0.4	1809.33
Ba 389.178	125.442b	ppb	0.6689	0.5	3001.96
Be 313.042	-0.0017b	ppb	0.0034	206.8	-226.445
Ca 370.602	40225b	ppb	121.3	0.3	129845
Cd 226.502	-0.0163b	ppb	0.1346	826.4	11.0491
Co 228.615	0.3074b	ppb	0.2275	74.0	17.4489
Cr 267.716	2.1150b	ppb	0.0463	2.2	112.045
Cu 324.754	2.4018b	ppb	0.5378	22.4	223.914
Fe 271.441	535.919b	ppb	4.4637	0.8	900.861
K 766.491	69109.3xb	ppb	34.1634	0.0	3392034
Mg 279.078	6664.32b	ppb	7.7073	0.1	13569.1
Mn 257.610	1681.64b	ppb	2.1259	0.1	381429
Mo 202.032	3.1733b	ppb	0.3095	9.8	35.7327
Na 330.237	494459xb	ppb	766.075	0.2	25104.6
Ni 231.604	2.4655b	ppb	1.3667	55.4	6.7881
Pb 220.353	1.1682b	ppb	0.7982	68.3	4.6707
Sb 206.834	-0.3604b	ppb	4.3247	1200.0	0.9328
Se 196.026	5.4033b	ppb	10.2162	189.1	3.0306
Sn 189.925	-4.0932b	ppb	1.6764	41.0	-2.1035
Sr 216.596	226.933b	ppb	1.0607	0.5	2151.54
Ti 334.941	12.7618b	ppb	0.1497	1.2	3216.36
Tl 190.794	5.6441b	ppb	1.7457	30.9	1.8229
V 292.401	5.7980b	ppb	0.2176	3.8	149.249
Zn 206.200	45.3101b	ppb	0.7656	1.7	71.8225

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680-88541-a-8-a (Samp) **3/27/2013, 7:45:02 PM** **Rack 1, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6441u	-0.9907u	-0.4642u
Al 308.215	780.327	781.668	775.317
As 188.980	-1.1681u	-0.1508	-4.3110u
B 249.678	78.1358	79.1923	78.8108
Ba 389.178	52.4231	52.5874	51.8079
Be 313.042	0.0146	0.0002u	0.0135
Ca 370.602	31116	31138	31058
Cd 226.502	170.444	170.510	170.886
Co 228.615	0.1156u	1.2086	0.9968
Cr 267.716	72.4351	71.9504	71.8129
Cu 324.754	30.0463	31.1315	29.9255
Fe 271.441	1470.87	1484.94	1473.60
K 766.491	23341.1	23403.2	23418.3
Mg 279.078	2128.14	2149.81	2129.44
Mn 257.610	100.547	100.413	100.339
Mo 202.032	74.8810	75.8473	75.0167
Na 330.237	29134.6	28855.6	29228.4
Ni 231.604	10.2744	9.0369	9.6108
Pb 220.353	2.9475	-1.3457u	2.2345
Sb 206.834	-0.3507u	1.5137	2.8561
Se 196.026	-6.4559u	-2.3042u	-1.5366u
Sn 189.925	-1.0830u	-3.8990u	-2.4384u
Sr 216.596	200.394	200.255	200.489
Ti 334.941	6.5279	6.4420	6.4861
Tl 190.794	1.8318	-1.9565u	5.7956
V 292.401	2.7661	2.6200	2.5168
Zn 206.200	118.352	117.176	120.848

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6997	ppb	0.2676	38.2	-88.9656
Al 308.215	779.104	ppb	3.3476	0.4	4714.35
As 188.980	-1.8766	ppb	2.1687	115.6	1.2507
B 249.678	78.7129	ppb	0.5350	0.7	1078.02
Ba 389.178	52.2728	ppb	0.4109	0.8	1240.71
Be 313.042	0.0095	ppb	0.0080	84.8	-160.120
Ca 370.602	31104	ppb	41.33	0.1	100280
Cd 226.502	170.614	ppb	0.2386	0.1	6089.78
Co 228.615	0.7737	ppb	0.5796	74.9	20.3975
Cr 267.716	72.0661	ppb	0.3268	0.5	3021.80
Cu 324.754	30.3678	ppb	0.6642	2.2	1576.37
Fe 271.441	1476.47	ppb	7.4620	0.5	2477.36
K 766.491	23387.5	ppb	40.9063	0.2	1148060
Mg 279.078	2135.80	ppb	12.1511	0.6	4370.40
Mn 257.610	100.433	ppb	0.1055	0.1	22861.4
Mo 202.032	75.2483	ppb	0.5232	0.7	501.021
Na 330.237	29072.9	ppb	193.916	0.7	1471.18
Ni 231.604	9.6407	ppb	0.6193	6.4	23.7660
Pb 220.353	1.2788	ppb	2.3006	179.9	4.4398
Sb 206.834	1.3397	ppb	1.6104	120.2	2.2956
Se 196.026	-3.4322	ppb	2.6465	77.1	-1.3787
Sn 189.925	-2.4735	ppb	1.4083	56.9	-1.0352
Sr 216.596	200.379	ppb	0.1177	0.1	1898.60
Ti 334.941	6.4854	ppb	0.0429	0.7	1630.77
Tl 190.794	1.8903	ppb	3.8764	205.1	0.8212
V 292.401	2.6343	ppb	0.1253	4.8	47.4616
Zn 206.200	118.792	ppb	1.8748	1.6	183.040

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88541-a-9-a (Samp) 3/27/2013, 7:50:26 PM Rack 1, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5340u	-0.2233u	-0.6848u
Al 308.215	349.700	348.996	349.432
As 188.980	-12.8417u	-6.7182u	-10.0264u
B 249.678	22.5036	23.4425	21.8022
Ba 389.178	19.9583	19.8123	20.3826
Be 313.042	-0.0212u	-0.0025u	-0.0141u
Ca 370.602	7016	7029	7001
Cd 226.502	0.0073	0.0005	0.1428
Co 228.615	0.1562	0.2387	0.6830
Cr 267.716	0.3367	0.4154	0.2778
Cu 324.754	27.8231	27.7168	27.5165
Fe 271.441	499.993	508.997	502.329
K 766.491	3940.06	3964.44	3958.58
Mg 279.078	1161.71	1176.46	1172.76
Mn 257.610	33.1373	33.3244	33.2460
Mo 202.032	-0.6857u	-0.0881u	-0.2844u
Na 330.237	11945.4	12664.5	12295.3
Ni 231.604	1.8266	1.8833	-0.1836u
Pb 220.353	0.8934	-0.5149u	-0.3199u
Sb 206.834	-4.3329u	-0.8629u	-5.2112u
Se 196.026	1.2828	-5.2349u	-0.0136
Sn 189.925	0.7770	2.0771	-1.3726u
Sr 216.596	19.6214	19.5353	18.7563
Ti 334.941	1.6196	1.5980	1.5666
Tl 190.794	1.5853	1.7089	-1.9174u
V 292.401	2.0138	2.0169	2.0526
Zn 206.200	37.3970	39.7510	37.6403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4807	ppb	0.2353	48.9	-66.2844
Al 308.215	349.376	ppb	0.3554	0.1	2244.00
As 188.980	-9.8621	ppb	3.0650	31.1	-3.2362
B 249.678	22.5827	ppb	0.8230	3.6	564.774
Ba 389.178	20.0511	ppb	0.2962	1.5	465.296
Be 313.042	-0.0126	ppb	0.0095	75.2	-196.293
Ca 370.602	7016	ppb	14.19	0.2	22602
Cd 226.502	0.0502	ppb	0.0803	159.9	15.8993
Co 228.615	0.3593	ppb	0.2833	78.9	17.8277
Cr 267.716	0.3433	ppb	0.0690	20.1	24.1601
Cu 324.754	27.6855	ppb	0.1557	0.6	1444.58
Fe 271.441	503.773	ppb	4.6726	0.9	846.888
K 766.491	3954.36	ppb	12.7263	0.3	194301
Mg 279.078	1170.31	ppb	7.6711	0.7	2404.93
Mn 257.610	33.2359	ppb	0.0939	0.3	7615.91
Mo 202.032	-0.3527	ppb	0.3046	86.4	12.9758
Na 330.237	12301.7	ppb	359.596	2.9	620.445
Ni 231.604	1.1754	ppb	1.1773	100.2	3.7379
Pb 220.353	0.0195	ppb	0.7631	3914.2	2.5071
Sb 206.834	-3.4690	ppb	2.2993	66.3	-2.0076
Se 196.026	-1.3219	ppb	3.4502	261.0	-0.4295
Sn 189.925	0.4938	ppb	1.7422	352.8	1.1940
Sr 216.596	19.3043	ppb	0.4765	2.5	193.105
Ti 334.941	1.5947	ppb	0.0267	1.7	380.620
Tl 190.794	0.4589	ppb	2.0589	448.6	-0.0040
V 292.401	2.0277	ppb	0.0216	1.1	50.0556
Zn 206.200	38.2628	ppb	1.2946	3.4	60.8723

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88560-a-1-a (Samp) 3/27/2013, 7:55:51 PM Rack 1, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1660u	-1.1432u	-0.3202u
Al 308.215	200.620	200.514	200.133
As 188.980	2.4854	-2.5942u	0.7411
B 249.678	19.8186	20.0216	20.1662
Ba 389.178	61.8958	62.6203	61.7095
Be 313.042	0.0508	0.0533	0.0381
Ca 370.602	7230	7232	7272
Cd 226.502	0.6325	0.4796	0.6590
Co 228.615	4.9829	4.7672	5.4324
Cr 267.716	2.1048	1.8115	2.0360
Cu 324.754	1315.04	1319.40	1319.17
Fe 271.441	302.180	307.426	304.344
K 766.491	1745.82	1750.29	1762.21
Mg 279.078	1707.12	1706.65	1699.73
Mn 257.610	489.137	489.134	490.543
Mo 202.032	-0.4745u	0.0495	-0.5015u
Na 330.237	48005.6	47797.8	47888.2
Ni 231.604	30.6622	30.1466	29.5456
Pb 220.353	2.0001	-2.5609u	-0.0797u
Sb 206.834	-1.4992u	0.9416	3.3949
Se 196.026	7.9586	1.8456	-1.9407u
Sn 189.925	-0.6553u	-5.8115u	-2.9524u
Sr 216.596	49.3442	48.9324	47.4452
Ti 334.941	-0.2423u	-0.2441u	-0.2567u
Tl 190.794	-0.6733u	-2.2848u	0.7675
V 292.401	0.4356	0.2533	0.7672
Zn 206.200	260.193	263.757	259.589

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8765	ppb	0.4818	55.0	-93.2260
Al 308.215	200.422	ppb	0.2562	0.1	1391.20
As 188.980	0.2108	ppb	2.5810	1224.7	2.2360
B 249.678	20.0021	ppb	0.1746	0.9	541.317
Ba 389.178	62.0752	ppb	0.4812	0.8	1471.97
Be 313.042	0.0474	ppb	0.0081	17.2	-84.2578
Ca 370.602	7245	ppb	23.34	0.3	23370
Cd 226.502	0.5904	ppb	0.0968	16.4	34.4794
Co 228.615	5.0608	ppb	0.3394	6.7	71.5612
Cr 267.716	1.9841	ppb	0.1534	7.7	94.9926
Cu 324.754	1317.87	ppb	2.4516	0.2	63736.6
Fe 271.441	304.650	ppb	2.6365	0.9	513.911
K 766.491	1752.77	ppb	8.4731	0.5	86249.5
Mg 279.078	1704.50	ppb	4.1341	0.2	3485.89
Mn 257.610	489.605	ppb	0.8126	0.2	111103
Mo 202.032	-0.3088	ppb	0.3106	100.6	13.2705
Na 330.237	47897.2	ppb	104.178	0.2	2426.44
Ni 231.604	30.1181	ppb	0.5588	1.9	72.1477
Pb 220.353	-0.2135	ppb	2.2834	1069.5	2.2296
Sb 206.834	0.9457	ppb	2.4470	258.7	2.2197
Se 196.026	2.6212	ppb	4.9950	190.6	1.4818
Sn 189.925	-3.1397	ppb	2.5832	82.3	-1.5418
Sr 216.596	48.5739	ppb	0.9990	2.1	468.315
Ti 334.941	-0.2477	ppb	0.0079	3.2	-89.6682
Tl 190.794	-0.7302	ppb	1.5269	209.1	-1.2227
V 292.401	0.4854	ppb	0.2605	53.7	7.2035
Zn 206.200	261.180	ppb	2.2523	0.8	299.108

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88651-a-1-a (Samp) 3/27/2013, 8:01:15 PM Rack 1, Tube 43
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9444u	0.5580	-1.2238u
Al 308.215	467.812	466.496	464.822
As 188.980	-1.2537u	-6.2554u	-5.0026u
B 249.678	884.441	887.751	891.138
Ba 389.178	270.041	268.244	266.796
Be 313.042	-0.0252u	-0.0293u	-0.0242u
Ca 370.602	10759	10763	10728
Cd 226.502	4.7445	4.6992	4.6333
Co 228.615	7.7513	8.2946	7.0156
Cr 267.716	4.4274	4.7459	4.8012
Cu 324.754	624.640	631.650	623.972
Fe 271.441	1368.69	1376.90	1369.34
K 766.491	5948.62	5950.19	5961.36
Mg 279.078	7561.70	7544.07	7518.81
Mn 257.610	121.567	121.603	121.449
Mo 202.032	1.3448	0.2536	2.0166
Na 330.237	80404.3	79967.6	80418.7
Ni 231.604	1247.39	1248.53	1250.02
Pb 220.353	14.2703	17.9217	9.5820
Sb 206.834	5.6744	7.0671	5.6598
Se 196.026	-3.4079u	1.0662	-4.7206u
Sn 189.925	0.0562	-0.3529u	-2.5798u
Sr 216.596	68.6595	68.5630	68.4097
Ti 334.941	15.9680	15.5694	16.4406
Tl 190.794	-2.1250u	-3.0459u	5.6129
V 292.401	1.0080	0.8211	0.7160
Zn 206.200	758.256	763.178	758.280

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5367	ppb	0.9583	178.5	-71.8536
Al 308.215	466.377	ppb	1.4988	0.3	2914.10
As 188.980	-4.1706	ppb	2.6026	62.4	-0.1268
B 249.678	887.777	ppb	3.3489	0.4	8488.40
Ba 389.178	268.360	ppb	1.6257	0.6	6425.24
Be 313.042	-0.0262	ppb	0.0027	10.2	-230.146
Ca 370.602	10750	ppb	19.33	0.2	34589
Cd 226.502	4.6923	ppb	0.0559	1.2	182.878
Co 228.615	7.6872	ppb	0.6419	8.4	101.943
Cr 267.716	4.6582	ppb	0.2018	4.3	206.111
Cu 324.754	626.754	ppb	4.2531	0.7	30368.9
Fe 271.441	1371.64	ppb	4.5626	0.3	2302.66
K 766.491	5953.39	ppb	6.9473	0.1	292411
Mg 279.078	7541.53	ppb	21.5580	0.3	15380.4
Mn 257.610	121.540	ppb	0.0803	0.1	27676.3
Mo 202.032	1.2050	ppb	0.8898	73.8	22.9956
Na 330.237	80263.5	ppb	256.366	0.3	4065.91
Ni 231.604	1248.65	ppb	1.3166	0.1	2952.47
Pb 220.353	13.9247	ppb	4.1806	30.0	24.8823
Sb 206.834	6.1338	ppb	0.8083	13.2	7.2046
Se 196.026	-2.3541	ppb	3.0339	128.9	-0.8800
Sn 189.925	-0.9589	ppb	1.4186	147.9	0.1192
Sr 216.596	68.5441	ppb	0.1259	0.2	638.959
Ti 334.941	15.9927	ppb	0.4361	2.7	4073.96
Tl 190.794	0.1474	ppb	4.7557	3227.3	-0.3229
V 292.401	0.8484	ppb	0.1479	17.4	16.8011
Zn 206.200	759.905	ppb	2.8348	0.4	1155.86

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88651-a-2-a (Samp) 3/27/2013, 8:06:40 PM Rack 1, Tube 44

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.9099	0.6997	1.1737
Al 308.215	180.786	180.104	178.417
As 188.980	-1.5080u	2.0817	3.3615
B 249.678	279.406	278.316	277.350
Ba 389.178	12.2590	13.7469	12.9807
Be 313.042	-0.0049u	-0.0076u	-0.0020u
Ca 370.602	33360	33220	33206
Cd 226.502	1.3533	1.1699	1.2413
Co 228.615	1.5520	1.0718	2.0573
Cr 267.716	0.8281	0.8913	0.9531
Cu 324.754	52.9912	52.6365	53.5635
Fe 271.441	139.884	140.563	142.304
K 766.491	26800.9	26792.0	26893.4
Mg 279.078	65786.7	65558.5	65427.3
Mn 257.610	192.956	192.164	192.372
Mo 202.032	1.7884	2.0622	2.4224
Na 330.237	600387x	599653x	600803x
Ni 231.604	142.726	142.916	142.453
Pb 220.353	0.1036	1.8655	1.2736
Sb 206.834	-3.2881u	0.7568	6.4393
Se 196.026	-2.1836u	-5.8802u	3.3109
Sn 189.925	-3.3162u	0.6182	-4.5218u
Sr 216.596	484.244	482.683	482.352
Ti 334.941	8.7697	8.6356	8.5555
Tl 190.794	1.7426	1.0162	-1.8095u
V 292.401	23.3528	23.8536	23.9073
Zn 206.200	838.487	837.900	828.490

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9278b	ppb	0.2375	25.6	12.5620
Al 308.215	179.769b	ppb	1.2193	0.7	1272.89
As 188.980	1.3117b	ppb	2.5244	192.5	3.0258
B 249.678	278.357b	ppb	1.0287	0.4	2907.81
Ba 389.178	12.9955b	ppb	0.7441	5.7	470.141
Be 313.042	-0.0048b	ppb	0.0028	58.5	-248.072
Ca 370.602	33262b	ppb	85.26	0.3	107358
Cd 226.502	1.2548b	ppb	0.0924	7.4	55.5350
Co 228.615	1.5604b	ppb	0.4928	31.6	31.7095
Cr 267.716	0.8909b	ppb	0.0625	7.0	56.6725
Cu 324.754	53.0637b	ppb	0.4678	0.9	2669.64
Fe 271.441	140.917b	ppb	1.2485	0.9	239.099
K 766.491	26828.8b	ppb	56.1518	0.2	1316952
Mg 279.078	65590.8b	ppb	181.881	0.3	133612
Mn 257.610	192.497b	ppb	0.4103	0.2	44079.2
Mo 202.032	2.0910b	ppb	0.3180	15.2	28.7325
Na 330.237	600281xb	ppb	582.506	0.1	30472.6
Ni 231.604	142.698b	ppb	0.2329	0.2	338.257
Pb 220.353	1.0809b	ppb	0.8966	82.9	4.2434
Sb 206.834	1.3027b	ppb	4.8866	375.1	2.5133
Se 196.026	-1.5843b	ppb	4.6247	291.9	-0.5139
Sn 189.925	-2.4066b	ppb	2.6880	111.7	-0.7960
Sr 216.596	483.093b	ppb	1.0108	0.2	4561.44
Ti 334.941	8.6536b	ppb	0.1082	1.3	2403.47
Tl 190.794	0.3164b	ppb	1.8766	593.1	-0.2348
V 292.401	23.7046b	ppb	0.3058	1.3	641.875
Zn 206.200	834.959b	ppb	5.6103	0.7	8259.93

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88562-e-1-a (Samp) 3/27/2013, 8:12:06 PM Rack 1, Tube 45
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7397u	-1.4746u	-0.3919u
Al 308.215	97.8087	95.2044	95.7091
As 188.980	-5.2883u	-0.8472	-4.4514u
B 249.678	70.7799	70.6158	69.5754
Ba 389.178	14.7288	14.3449	15.4656
Be 313.042	-0.0415u	-0.0352u	-0.0389u
Ca 370.602	66083	66089	66023
Cd 226.502	-0.0144	0.0971	-0.0026
Co 228.615	1.9204	2.4758	3.7359
Cr 267.716	-0.1359	-0.5058u	-0.2523u
Cu 324.754	-0.2317u	0.1400	0.0733
Fe 271.441	874.930	878.147	871.895
K 766.491	3122.12	3122.14	3128.56
Mg 279.078	23495.4	23464.6	23441.7
Mn 257.610	1228.79	1227.73	1227.40
Mo 202.032	-1.3675u	-1.1723u	0.2239
Na 330.237	75257.1	75561.5	75061.7
Ni 231.604	4.6547	4.1385	2.8781
Pb 220.353	0.9421	-0.4220u	-3.4415u
Sb 206.834	-1.5212u	-2.4251u	1.9783
Se 196.026	-1.0721u	-6.8488u	-4.2510u
Sn 189.925	-5.7262u	-5.7290u	-0.8300u
Sr 216.596	133.175	134.335	134.408
Ti 334.941	0.5470	0.6026	0.4771
Tl 190.794	-2.9103u	2.3637	4.0466
V 292.401	-0.3785u	-1.1445u	-0.4595u
Zn 206.200	26.1905	24.0539	26.1587

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8687	ppb	0.5528	63.6	-93.5517
Al 308.215	96.2407	ppb	1.3812	1.4	794.667
As 188.980	-3.5289	ppb	2.3599	66.9	0.6337
B 249.678	70.3237	ppb	0.6532	0.9	1001.70
Ba 389.178	14.8464	ppb	0.5695	3.8	401.518
Be 313.042	-0.0385	ppb	0.0031	8.2	-234.278
Ca 370.602	66065	ppb	36.37	0.1	213211
Cd 226.502	0.0267	ppb	0.0612	229.4	15.8428
Co 228.615	2.7107	ppb	0.9303	34.3	44.7008
Cr 267.716	-0.2980	ppb	0.1891	63.5	2.9392
Cu 324.754	-0.0062	ppb	0.1982	3219.9	107.704
Fe 271.441	874.991	ppb	3.1261	0.4	1469.37
K 766.491	3124.27	ppb	3.7142	0.1	153561
Mg 279.078	23467.2	ppb	26.9432	0.1	47800.2
Mn 257.610	1227.98	ppb	0.7218	0.1	278654
Mo 202.032	-0.7720	ppb	0.8679	112.4	10.2569
Na 330.237	75293.4	ppb	251.864	0.3	3819.20
Ni 231.604	3.8904	ppb	0.9139	23.5	10.1622
Pb 220.353	-0.9738	ppb	2.2433	230.4	1.1638
Sb 206.834	-0.6560	ppb	2.3257	354.5	0.6864
Se 196.026	-4.0573	ppb	2.8932	71.3	-1.4083
Sn 189.925	-4.0951	ppb	2.8277	69.1	-2.2330
Sr 216.596	133.973	ppb	0.6917	0.5	1278.44
Ti 334.941	0.5422	ppb	0.0629	11.6	199.377
Tl 190.794	1.1667	ppb	3.6296	311.1	-0.7061
V 292.401	-0.6608	ppb	0.4208	63.7	-24.0205
Zn 206.200	25.4677	ppb	1.2245	4.8	41.9269

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88643-b-1-aSD^5 (Samp) 3/27/2013, 8:17:32 PM Rack 1, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3222u	-0.8644u	-0.0146u
Al 308.215	81.7256	82.8695	81.0052
As 188.980	1.1701	3.7159	4.0014
B 249.678	-22.9026u	-23.7376u	-23.2460u
Ba 389.178	35.7462	35.7497	36.4173
Be 313.042	-0.0243u	-0.0129u	-0.0090u
Ca 370.602	2990	2950	2948
Cd 226.502	4.4829	4.3319	4.4732
Co 228.615	3.0482	2.5045	3.0435
Cr 267.716	-0.2467u	-0.0988u	-0.0444u
Cu 324.754	172.592	170.599	168.803
Fe 271.441	1732.43	1711.73	1706.53
K 766.491	7937.78	7871.68	7882.59
Mg 279.078	722.051	711.727	707.708
Mn 257.610	218.271	216.033	215.808
Mo 202.032	3.1681	4.2136	2.5747
Na 330.237	11095.4	10514.8	10734.9
Ni 231.604	3.6547	1.2275	2.4974
Pb 220.353	2.4234	1.8970	3.4320
Sb 206.834	-3.9351u	-2.5612u	2.9717
Se 196.026	-3.0156u	-15.9898u	-3.7041u
Sn 189.925	-2.8557u	-0.5655u	-0.7668u
Sr 216.596	23.4346	24.9155	24.5429
Ti 334.941	0.4854	0.5355	0.3923
Tl 190.794	-3.6366u	4.9593	4.1455
V 292.401	0.0239u	0.2215	0.2613
Zn 206.200	254.769	252.552	251.431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4004	ppb	0.4303	107.5	-60.1191
Al 308.215	81.8668	ppb	0.9401	1.1	712.912
As 188.980	2.9625	ppb	1.5588	52.6	3.6849
B 249.678	-23.2954	ppb	0.4197	1.8	143.466
Ba 389.178	35.9711	ppb	0.3865	1.1	846.782
Be 313.042	-0.0154	ppb	0.0079	51.4	-203.768
Ca 370.602	2963	ppb	23.24	0.8	9424
Cd 226.502	4.4293	ppb	0.0845	1.9	174.612
Co 228.615	2.8654	ppb	0.3125	10.9	46.2978
Cr 267.716	-0.1300	ppb	0.1047	80.6	5.2643
Cu 324.754	170.665	ppb	1.8950	1.1	8348.31
Fe 271.441	1716.90	ppb	13.7019	0.8	2880.48
K 766.491	7897.35	ppb	35.4360	0.4	387819
Mg 279.078	713.829	ppb	7.3987	1.0	1472.63
Mn 257.610	216.704	ppb	1.3616	0.6	49219.2
Mo 202.032	3.3188	ppb	0.8298	25.0	36.6284
Na 330.237	10781.7	ppb	293.109	2.7	541.325
Ni 231.604	2.4599	ppb	1.2140	49.4	6.7968
Pb 220.353	2.5842	ppb	0.7800	30.2	6.6712
Sb 206.834	-1.1749	ppb	3.6562	311.2	0.1569
Se 196.026	-7.5698	ppb	7.3000	96.4	-3.2478
Sn 189.925	-1.3960	ppb	1.2681	90.8	-0.2371
Sr 216.596	24.2977	ppb	0.7703	3.2	240.103
Ti 334.941	0.4711	ppb	0.0727	15.4	92.3860
Tl 190.794	1.8227	ppb	4.7454	260.3	0.6766
V 292.401	0.1689	ppb	0.1271	75.3	-1.8052
Zn 206.200	252.917	ppb	1.6989	0.7	286.543

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88643-b-1-aPDS (Samp) 3/27/2013, 8:22:58 PM Rack 1, Tube 47
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1233u	-1.3126u	-0.7700u
Al 308.215	348.430	344.767	344.436
As 188.980	-6.4211u	1.0659	-10.9080u
B 249.678	51.8087	52.4176	52.7933
Ba 389.178	67.0835	67.8662	67.9199
Be 313.042	-0.0432u	-0.0390u	-0.0461u
Ca 370.602	109676	109285	109516
Cd 226.502	-0.0075	0.1368	-0.1011u
Co 228.615	1.2628	0.6709	0.7769
Cr 267.716	0.3701	0.2233	0.0844
Cu 324.754	1.5799	1.7836	2.0711
Fe 271.441	413.238	420.717	423.809
K 766.491	705.656	706.154	709.151
Mg 279.078	14847.5	14863.8	14890.3
Mn 257.610	173.643	172.975	172.930
Mo 202.032	-0.2676u	-1.2596u	-0.7382u
Na 330.237	14274.9	14550.8	14215.2
Ni 231.604	4.1844	5.0746	4.2964
Pb 220.353	-0.6789u	-0.8742u	-3.5922u
Sb 206.834	-3.5053u	-0.3158u	5.4725
Se 196.026	-0.9201u	6.2312	-6.7307u
Sn 189.925	-2.3635u	1.6962	-1.2672u
Sr 216.596	292.009	289.361	289.348
Ti 334.941	7.2056	7.0973	6.8482
Tl 190.794	1.5412	1.3015	3.8301
V 292.401	0.0955	0.5545	0.8206
Zn 206.200	4.9526	4.4935	6.2724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0686	ppb	0.2754	25.8	-118.548
Al 308.215	345.878	ppb	2.2168	0.6	2223.94
As 188.980	-5.4211	ppb	6.0493	111.6	-0.0689
B 249.678	52.3399	ppb	0.4969	0.9	837.397
Ba 389.178	67.6232	ppb	0.4682	0.7	1640.46
Be 313.042	-0.0427	ppb	0.0036	8.4	-218.929
Ca 370.602	109493	ppb	196.6	0.2	353400
Cd 226.502	0.0094	ppb	0.1199	1274.3	14.4010
Co 228.615	0.9035	ppb	0.3156	34.9	24.2087
Cr 267.716	0.2260	ppb	0.1429	63.2	19.8216
Cu 324.754	1.8116	ppb	0.2468	13.6	195.326
Fe 271.441	419.255	ppb	5.4352	1.3	705.280
K 766.491	706.987	ppb	1.8903	0.3	34923.4
Mg 279.078	14867.2	ppb	21.5877	0.1	30300.2
Mn 257.610	173.183	ppb	0.3990	0.2	39425.9
Mo 202.032	-0.7552	ppb	0.4962	65.7	10.3839
Na 330.237	14347.0	ppb	179.019	1.2	724.524
Ni 231.604	4.5184	ppb	0.4848	10.7	11.6383
Pb 220.353	-1.7151	ppb	1.6285	95.0	-0.2567
Sb 206.834	0.5505	ppb	4.5511	826.8	1.8341
Se 196.026	-0.4732	ppb	6.4925	1372.0	-0.0086
Sn 189.925	-0.6448	ppb	2.1002	325.7	0.3726
Sr 216.596	290.239	ppb	1.5324	0.5	2753.98
Ti 334.941	7.0503	ppb	0.1832	2.6	1828.17
Tl 190.794	2.2243	ppb	1.3959	62.8	1.0281
V 292.401	0.4902	ppb	0.3668	74.8	8.0806
Zn 206.200	5.2395	ppb	0.9235	17.6	815.5771

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88643-b-1-b ms (Samp) 3/27/2013, 8:28:24 PM Rack 1, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.9550	9.9141	10.0509
Al 308.215	5244.83	5239.87	5249.76
As 188.980	104.146	108.156	102.332
B 249.678	250.642	252.394	254.027
Ba 389.178	165.724	165.327	165.615
Be 313.042	49.9193	49.8266	49.9217
Ca 370.602	113264	113020	113136
Cd 226.502	48.9018	49.2454	49.1953
Co 228.615	48.7735	49.2331	49.9308
Cr 267.716	98.2872	98.5557	98.4746
Cu 324.754	99.9214	101.540	99.1665
Fe 271.441	5297.60	5284.36	5301.25
K 766.491	5935.97	5941.61	5968.94
Mg 279.078	19568.6	19502.6	19512.3
Mn 257.610	670.860	668.874	669.590
Mo 202.032	97.4008	96.3882	97.0731
Na 330.237	19237.8	19043.9	19157.9
Ni 231.604	104.581	101.405	102.082
Pb 220.353	51.3169	47.0109	52.2363
Sb 206.834	49.0085	48.2337	48.5849
Se 196.026	113.850	91.3513	105.711
Sn 189.925	194.985	201.114	194.561
Sr 216.596	387.033	384.613	386.100
Ti 334.941	103.328	103.051	103.468
Tl 190.794	37.7809	45.9632	41.1949
V 292.401	100.455	99.0460	99.6005
Zn 206.200	99.0343	98.1049	99.6629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9733	ppb	0.0702	0.7	651.834
Al 308.215	5244.82	ppb	4.9460	0.1	30283.8
As 188.980	104.878	ppb	2.9798	2.8	59.7765
B 249.678	252.354	ppb	1.6926	0.7	2664.91
Ba 389.178	165.556	ppb	0.2050	0.1	4004.22
Be 313.042	49.8892	ppb	0.0543	0.1	96426.4
Ca 370.602	113140	ppb	122.1	0.1	364804
Cd 226.502	49.1142	ppb	0.1856	0.4	1773.78
Co 228.615	49.3124	ppb	0.5827	1.2	577.114
Cr 267.716	98.4392	ppb	0.1377	0.1	4127.48
Cu 324.754	100.209	ppb	1.2125	1.2	4949.16
Fe 271.441	5294.41	ppb	8.8851	0.2	8884.47
K 766.491	5948.84	ppb	17.6334	0.3	292188
Mg 279.078	19527.8	ppb	35.6192	0.2	39784.5
Mn 257.610	669.774	ppb	1.0059	0.2	152070
Mo 202.032	96.9540	ppb	0.5167	0.5	640.822
Na 330.237	19146.5	ppb	97.4396	0.5	965.379
Ni 231.604	102.689	ppb	1.6730	1.6	243.783
Pb 220.353	50.1880	ppb	2.7896	5.6	83.0716
Sb 206.834	48.6090	ppb	0.3880	0.8	47.9056
Se 196.026	103.637	ppb	11.3919	11.0	47.8356
Sn 189.925	196.887	ppb	3.6671	1.9	149.749
Sr 216.596	385.915	ppb	1.2203	0.3	3652.73
Ti 334.941	103.282	ppb	0.2120	0.2	26390.0
Tl 190.794	41.6463	ppb	4.1097	9.9	26.4253
V 292.401	99.7004	ppb	0.7097	0.7	2713.26
Zn 206.200	98.9341	ppb	0.7839	0.8	153.480

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/27/2013, 8:33:49 PM Rack 1, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.566	490.711	497.032
Al 308.215	4956.83	4964.97	4993.13
As 188.980	459.306	469.171	460.354
B 249.678	2486.64	2509.23	2545.32
Ba 389.178	4903.78	4907.29	4937.52
Be 313.042	487.738	487.550	492.017
Ca 370.602	4892	4902	4931
Cd 226.502	489.245	489.528	493.197
Co 228.615	493.199	495.693	497.593
Cr 267.716	4882.21	4887.77	4908.61
Cu 324.754	4945.69	4840.21	4807.62
Fe 271.441	4937.45	4937.18	4968.84
K 766.491	10016.7	10030.2	10128.2
Mg 279.078	4894.11	4894.19	4933.50
Mn 257.610	4939.63	4944.45	4960.55
Mo 202.032	482.179	484.514	486.915
Na 330.237	7589.89	7206.67	7338.38
Ni 231.604	2470.88	2462.58	2472.96
Pb 220.353	488.888	488.171	490.718
Sb 206.834	907.887	899.602	923.893
Se 196.026	4811.40	4850.77	4873.05
Sn 189.925	4977.81	4981.70	5026.20
Sr 216.596	2439.81	2448.91	2455.71
Ti 334.941	491.181	491.831	494.723
Tl 190.794	4955.27	4923.23	4954.44
V 292.401	4909.26	4908.27	4942.32
Zn 206.200	2447.02	2449.09	2462.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.103	ppb	6.4276	1.3	34658.8	99.42056
Al 308.215	4971.65	ppb	19.0461	0.4	28685.4	99.43290
As 188.980	462.944	ppb	5.4183	1.2	253.288	92.58875
B 249.678	2513.73	ppb	29.5956	1.2	23377.4	100.54920
Ba 389.178	4916.20	ppb	18.5490	0.4	117649	98.32393
Be 313.042	489.102	ppb	2.5266	0.5	946425	97.82033
Ca 370.602	4908	ppb	19.94	0.4	15707	98.16566
Cd 226.502	490.657	ppb	2.2043	0.4	17491.0	98.13134
Co 228.615	495.495	ppb	2.2040	0.4	5689.34	99.09898
Cr 267.716	4892.86	ppb	13.9170	0.3	204528	97.85728
Cu 324.754	4864.50	ppb	72.1709	1.5	234941	97.29008
Fe 271.441	4947.82	ppb	18.1979	0.4	8415.17	98.95647
K 766.491	10058.4	ppb	60.8841	0.6	493879	100.58354
Mg 279.078	4907.27	ppb	22.7219	0.5	9939.62	98.14530
Mn 257.610	4948.21	ppb	10.9572	0.2	1122150	98.96417
Mo 202.032	484.536	ppb	2.3683	0.5	3135.02	96.90719
Na 330.237	7378.31	ppb	194.705	2.6	347.623	98.37749
Ni 231.604	2468.81	ppb	5.4894	0.2	5836.71	98.75231
Pb 220.353	489.259	ppb	1.3134	0.3	789.509	97.85183
Sb 206.834	910.460	ppb	12.3484	1.4	915.224	91.04603
Se 196.026	4845.07	ppb	31.2188	0.6	2221.96	96.90141
Sn 189.925	4995.24	ppb	26.8888	0.5	3778.22	99.90475
Sr 216.596	2448.14	ppb	7.9796	0.3	23019.5	97.92575
Ti 334.941	492.578	ppb	1.8857	0.4	125613	98.51564
Tl 190.794	4944.31	ppb	18.2663	0.4	3260.07	98.88624
V 292.401	4919.95	ppb	19.3783	0.4	134932	98.39896
Zn 206.200	2452.94	ppb	8.5184	0.3	2710.15	98.11757

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/27/2013, 8:39:13 PM Rack 1, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0973u	-0.5259u	-0.5510u
Al 308.215	1.2951	-2.1112u	0.6658
As 188.980	5.5856	1.9612	-5.3395u
B 249.678	33.8243	26.6887	22.2636
Ba 389.178	-0.4043u	-0.5191u	-1.0913u
Be 313.042	-0.0288u	-0.0266u	-0.0296u
Ca 370.602	-0.9633u	3.878	-0.7931u
Cd 226.502	0.1287	-0.1090u	0.0114
Co 228.615	-0.1782u	0.0924	0.5691
Cr 267.716	-0.3152u	-0.1443u	-0.3269u
Cu 324.754	-0.0266u	-0.7330u	-0.7303u
Fe 271.441	9.3059	6.7270	0.8824
K 766.491	-0.3115u	-0.5371u	-0.2593u
Mg 279.078	0.4189	0.6511	1.1960
Mn 257.610	-0.1583u	-0.1693u	-0.1227u
Mo 202.032	0.0034	-0.1306u	0.3952
Na 330.237	-264.838u	-102.316u	161.729
Ni 231.604	-1.2136u	2.4452	1.6802
Pb 220.353	-0.8534u	1.7174	-4.0377u
Sb 206.834	3.2895	2.1396	4.2568
Se 196.026	9.4341	6.3749	-1.4582u
Sn 189.925	-0.8342u	2.0194	-3.4079u
Sr 216.596	-0.6232u	-0.5052u	-0.0392u
Ti 334.941	-0.1837u	-0.2007u	-0.1365u
Tl 190.794	0.3242	-1.3987u	-1.3475u
V 292.401	0.3573	0.0186	0.3411
Zn 206.200	-0.8985u	0.0841	-0.1759u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7248	ppb	0.3229	44.6	-82.6604	-0.72477
Al 308.215	-0.0501	ppb	1.8125	3616.5	243.442	-0.05012
As 188.980	0.7358	ppb	5.5647	756.3	2.4704	0.73578
B 249.678	27.5922	ppb	5.8331	21.1	611.111	27.59221
Ba 389.178	-0.6715	ppb	0.3680	54.8	-34.4453	-0.67155
Be 313.042	-0.0283	ppb	0.0016	5.6	-227.534	-0.02835
Ca 370.602	0.7072	ppb	2.747	388.5	-1.289	0.70723
Cd 226.502	0.0104	ppb	0.1188	1144.0	13.3643	0.01039
Co 228.615	0.1611	ppb	0.3784	234.9	15.5162	0.16106
Cr 267.716	-0.2622	ppb	0.1022	39.0	-1.5633	-0.26216
Cu 324.754	-0.4966	ppb	0.4070	82.0	83.7854	-0.49663
Fe 271.441	5.6384	ppb	4.3160	76.5	11.9343	5.63844
K 766.491	-0.3693	ppb	0.1476	40.0	207.147	-0.36934
Mg 279.078	0.7554	ppb	0.3989	52.8	23.3443	0.75536
Mn 257.610	-0.1501	ppb	0.0244	16.2	37.6349	-0.15009
Mo 202.032	0.0893	ppb	0.2732	305.9	15.8552	0.08933
Na 330.237	-68.4749	ppb	215.288	314.4	-7.2769	-68.47490
Ni 231.604	0.9706	ppb	1.9299	198.8	3.2441	0.97062
Pb 220.353	-1.0579	ppb	2.8830	272.5	0.7736	-1.05789
Sb 206.834	3.2286	ppb	1.0599	32.8	4.3679	3.22863
Se 196.026	4.7836	ppb	5.6178	117.4	2.3598	4.78360
Sn 189.925	-0.7409	ppb	2.7149	366.4	0.2536	-0.74090
Sr 216.596	-0.3892	ppb	0.3088	79.3	6.8275	-0.38919
Ti 334.941	-0.1736	ppb	0.0333	19.2	-74.3457	-0.17361
Tl 190.794	-0.8073	ppb	0.9803	121.4	-0.7913	-0.80732
V 292.401	0.2390	ppb	0.1911	79.9	0.8895	0.23901
Zn 206.200	-0.3301	ppb	0.5991	154.2	2.2608	-0.33012

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88643-b-1-c msd (Samp) 3/27/2013, 8:44:37 PM Rack 1, Tube 51**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.3488	9.6490	9.7976
Al 308.215	5297.26	5307.07	5297.95
As 188.980	92.0918	100.281	97.9389
B 249.678	268.990	270.733	270.854
Ba 389.178	165.302	165.445	165.796
Be 313.042	49.9116	49.9789	49.9954
Ca 370.602	112761	112700	112763
Cd 226.502	49.0169	49.1672	48.8236
Co 228.615	49.9940	50.0864	49.7862
Cr 267.716	98.5384	98.5806	98.3637
Cu 324.754	100.742	100.340	101.153
Fe 271.441	5338.71	5343.24	5341.93
K 766.491	5938.51	5953.31	5976.23
Mg 279.078	19475.8	19474.2	19475.6
Mn 257.610	669.877	670.641	670.215
Mo 202.032	98.0489	97.3588	96.2844
Na 330.237	18867.2	18848.7	19088.7
Ni 231.604	102.832	100.257	102.423
Pb 220.353	45.3925	52.1207	46.6115
Sb 206.834	49.8876	55.5338	51.9359
Se 196.026	98.6630	90.1398	93.5227
Sn 189.925	195.258	195.554	197.256
Sr 216.596	383.448	385.687	386.330
Ti 334.941	104.280	104.646	104.661
Tl 190.794	39.0718	34.1190	39.2376
V 292.401	100.086	100.186	100.463
Zn 206.200	99.1425	100.458	101.090

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.5985	ppb	0.2286	2.4	625.611
Al 308.215	5300.76	ppb	5.4726	0.1	30604.2
As 188.980	96.7707	ppb	4.2179	4.4	55.3710
B 249.678	270.192	ppb	1.0430	0.4	2828.25
Ba 389.178	165.514	ppb	0.2540	0.2	4003.17
Be 313.042	49.9620	ppb	0.0444	0.1	96567.1
Ca 370.602	112742	ppb	35.77	0.0	363515
Cd 226.502	49.0025	ppb	0.1722	0.4	1769.91
Co 228.615	49.9555	ppb	0.1538	0.3	584.496
Cr 267.716	98.4942	ppb	0.1150	0.1	4129.79
Cu 324.754	100.745	ppb	0.4065	0.4	4975.06
Fe 271.441	5341.29	ppb	2.3279	0.0	8963.10
K 766.491	5956.02	ppb	19.0053	0.3	292540
Mg 279.078	19475.2	ppb	0.9003	0.0	39677.3
Mn 257.610	670.244	ppb	0.3827	0.1	152176
Mo 202.032	97.2307	ppb	0.8892	0.9	642.606
Na 330.237	18934.9	ppb	133.555	0.7	954.604
Ni 231.604	101.837	ppb	1.3836	1.4	241.770
Pb 220.353	48.0416	ppb	3.5848	7.5	79.6161
Sb 206.834	52.4524	ppb	2.8583	5.4	51.5773
Se 196.026	94.1085	ppb	4.2917	4.6	43.4684
Sn 189.925	196.023	ppb	1.0779	0.5	149.095
Sr 216.596	385.155	ppb	1.5133	0.4	3645.50
Ti 334.941	104.529	ppb	0.2158	0.2	26707.7
Tl 190.794	37.4761	ppb	2.9086	7.8	23.6710
V 292.401	100.245	ppb	0.1955	0.2	2728.17
Zn 206.200	100.230	ppb	0.9935	1.0	155.442

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88561-c-1-a (Samp) **3/27/2013, 8:50:01 PM** **Rack 1, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0391u	-0.5176u	-0.4549u
Al 308.215	606.152	604.337	606.171
As 188.980	-1.0772u	-1.3639u	1.5810
B 249.678	46.5096	48.3005	45.5594
Ba 389.178	11.3754	11.9883	11.6845
Be 313.042	-0.0486u	-0.0583u	-0.0513u
Ca 370.602	65708	65821	65769
Cd 226.502	-0.0272	-0.0293	-0.1800u
Co 228.615	1.2436	0.8124	0.8467
Cr 267.716	0.3836	0.2224	0.0915
Cu 324.754	10.5273	9.9109	9.9774
Fe 271.441	742.248	746.226	748.717
K 766.491	2467.81	2474.33	2477.15
Mg 279.078	28323.4	28384.1	28337.2
Mn 257.610	58.9703	59.0495	58.8636
Mo 202.032	69.1685	68.5585	69.6764
Na 330.237	13610.3	13878.2	13727.7
Ni 231.604	56.9746	60.2097	59.0589
Pb 220.353	0.2550	0.2484	-3.4265u
Sb 206.834	-1.5795u	5.3570	3.2616
Se 196.026	1.8728	-4.6067u	-2.6974u
Sn 189.925	1.2675	-1.2437u	-5.6869u
Sr 216.596	78.6181	78.3625	78.2600
Ti 334.941	-0.3954	-0.4028	-0.3132
Tl 190.794	-3.3001u	-0.2474u	3.6252
V 292.401	-0.5975u	-0.8267u	-0.6928u
Zn 206.200	3.4784	2.2197	3.8141

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6705	ppb	0.3207	47.8	-82.4250
Al 308.215	605.553	ppb	1.0532	0.2	3719.93
As 188.980	-0.2867	ppb	1.6238	566.3	2.3768
B 249.678	46.7898	ppb	1.3919	3.0	786.264
Ba 389.178	11.6827	ppb	0.3065	2.6	339.226
Be 313.042	-0.0527	ppb	0.0050	9.4	-265.254
Ca 370.602	65766	ppb	56.21	0.1	212223
Cd 226.502	-0.0788	ppb	0.0876	111.2	12.1921
Co 228.615	0.9676	ppb	0.2397	24.8	22.4343
Cr 267.716	0.2325	ppb	0.1463	62.9	19.7295
Cu 324.754	10.1385	ppb	0.3383	3.3	599.328
Fe 271.441	745.730	ppb	3.2630	0.4	1252.47
K 766.491	2473.10	ppb	4.7880	0.2	121602
Mg 279.078	28348.2	ppb	31.7979	0.1	57759.6
Mn 257.610	58.9611	ppb	0.0933	0.2	13599.8
Mo 202.032	69.1345	ppb	0.5597	0.8	461.588
Na 330.237	13738.7	ppb	134.282	1.0	693.614
Ni 231.604	58.7477	ppb	1.6399	2.8	139.829
Pb 220.353	-0.9744	ppb	2.1236	218.0	0.8208
Sb 206.834	2.3464	ppb	3.5576	151.6	2.6515
Se 196.026	-1.8104	ppb	3.3295	183.9	-0.6467
Sn 189.925	-1.8877	ppb	3.5217	186.6	-0.5841
Sr 216.596	78.4136	ppb	0.1844	0.2	752.058
Ti 334.941	-0.3704	ppb	0.0497	13.4	-8.7853
Tl 190.794	0.0259	ppb	3.4707	13410.4	-0.3446
V 292.401	-0.7057	ppb	0.1152	16.3	-38.4359
Zn 206.200	3.1707	ppb	0.8496	26.5	8.0911

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

mb 680-270716/1-a (Samp) 3/27/2013, 8:55:25 PM Rack 1, Tube 53
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.4358u	-1.0090u	-1.1195u
Al 308.215	2.6625	-2.0475u	-1.3683u
As 188.980	-8.6409u	1.4463	-6.6947u
B 249.678	-23.5973u	-24.8396u	-23.6986u
Ba 389.178	-0.4776u	0.5981	-1.1518u
Be 313.042	-0.0280u	-0.0345u	-0.0301u
Ca 370.602	-1.342u	-0.2781u	1.128
Cd 226.502	-0.3164u	-0.3561u	0.0916
Co 228.615	0.3338	-0.2612u	-0.0473u
Cr 267.716	-0.1426u	-0.0439u	-0.2296u
Cu 324.754	-0.1279u	-0.2642u	-0.3195u
Fe 271.441	2.0253	1.2989	6.2519
K 766.491	-0.0076u	0.5169	0.2456
Mg 279.078	2.7555	4.5342	2.6458
Mn 257.610	2.2637	2.3539	2.2153
Mo 202.032	-0.9847u	-1.0811u	-0.5737u
Na 330.237	-52.5839u	247.184	85.4443
Ni 231.604	1.0919	3.1706	1.1724
Pb 220.353	-1.9880u	2.8426	2.9986
Sb 206.834	-0.7686u	3.0913	-2.2565u
Se 196.026	0.9066	-1.5506u	-6.2876u
Sn 189.925	-0.0635u	-2.8224u	-4.2114u
Sr 216.596	-0.1897u	-0.4831u	0.0329
Ti 334.941	-0.1794u	-0.1844u	-0.1990u
Tl 190.794	0.5695	3.2002	0.8481
V 292.401	0.5996	0.3367	0.0767
Zn 206.200	1.7379	-0.1297u	1.1126

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1881	ppb	0.2215	18.6	-115.038
Al 308.215	-0.2511	ppb	2.5460	1014.0	242.206
As 188.980	-4.6298	ppb	5.3513	115.6	-0.4425
B 249.678	-24.0452	ppb	0.6898	2.9	138.157
Ba 389.178	-0.3438	ppb	0.8826	256.7	-26.5983
Be 313.042	-0.0309	ppb	0.0033	10.8	-232.328
Ca 370.602	-0.1641	ppb	1.239	755.3	-4.172
Cd 226.502	-0.1936	ppb	0.2479	128.0	6.1043
Co 228.615	0.0084	ppb	0.3014	3572.9	13.7913
Cr 267.716	-0.1387	ppb	0.0929	67.0	3.6102
Cu 324.754	-0.2372	ppb	0.0987	41.6	96.2933
Fe 271.441	3.1921	ppb	2.6747	83.8	7.7727
K 766.491	0.2516	ppb	0.2623	104.3	237.623
Mg 279.078	3.3119	ppb	1.0600	32.0	28.5140
Mn 257.610	2.2776	ppb	0.0703	3.1	588.150
Mo 202.032	-0.8798	ppb	0.2694	30.6	9.5979
Na 330.237	93.3482	ppb	150.040	160.7	0.9323
Ni 231.604	1.8116	ppb	1.1776	65.0	5.2322
Pb 220.353	1.2844	ppb	2.8350	220.7	4.5434
Sb 206.834	0.0221	ppb	2.7602	12514.4	1.3153
Se 196.026	-2.3105	ppb	3.6568	158.3	-0.8911
Sn 189.925	-2.3658	ppb	2.1113	89.2	-0.9750
Sr 216.596	-0.2133	ppb	0.2588	121.3	8.4755
Ti 334.941	-0.1876	ppb	0.0102	5.4	-77.9185
Tl 190.794	1.5392	ppb	1.4451	93.9	0.7553
V 292.401	0.3377	ppb	0.2615	77.4	3.7130
Zn 206.200	0.9069	ppb	0.9506	104.8	4.1372

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

ics 680-270716/2-a (Samp) 3/27/2013, 9:00:50 PM Rack 1, Tube 54
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	17.9066	19.0862	18.2408
Al 308.215	4954.97	4916.90	4919.35
As 188.980	104.976	95.4211	99.7178
B 249.678	176.356	177.200	177.543
Ba 389.178	100.532	100.580	100.562
Be 313.042	51.4037	51.0632	50.9666
Ca 370.602	4912	4883	4864
Cd 226.502	51.5919	51.3600	51.2751
Co 228.615	51.3091	51.1312	50.9043
Cr 267.716	102.173	101.463	100.975
Cu 324.754	100.160	100.943	101.884
Fe 271.441	5049.47	5001.10	5006.04
K 766.491	5076.56	5040.99	5054.58
Mg 279.078	5020.23	4992.55	4978.67
Mn 257.610	518.114	513.500	513.423
Mo 202.032	100.257	99.6885	98.2857
Na 330.237	4752.93	5032.51	4741.64
Ni 231.604	101.176	102.055	101.274
Pb 220.353	51.8624	48.3562	50.0951
Sb 206.834	45.2109	48.9480	51.5523
Se 196.026	101.790	96.7250	98.9755
Sn 189.925	199.700	196.408	197.674
Sr 216.596	102.409	101.082	101.277
Ti 334.941	101.162	100.532	100.314
Tl 190.794	42.5225	42.9805	42.5687
V 292.401	102.929	102.360	102.302
Zn 206.200	100.380	101.469	99.4859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.4112	ppb	0.6080	3.3	1253.28
Al 308.215	4930.41	ppb	21.3107	0.4	28484.0
As 188.980	100.038	ppb	4.7857	4.8	56.3511
B 249.678	177.033	ppb	0.6111	0.3	1975.27
Ba 389.178	100.558	ppb	0.0242	0.0	2409.34
Be 313.042	51.1445	ppb	0.2296	0.4	98820.0
Ca 370.602	4886	ppb	24.12	0.5	15388
Cd 226.502	51.4090	ppb	0.1640	0.3	1854.75
Co 228.615	51.1149	ppb	0.2029	0.4	597.587
Cr 267.716	101.537	ppb	0.6024	0.6	4256.06
Cu 324.754	100.996	ppb	0.8631	0.9	4987.10
Fe 271.441	5018.87	ppb	26.6120	0.5	8422.91
K 766.491	5057.38	ppb	17.9482	0.4	248436
Mg 279.078	4997.15	ppb	21.1617	0.4	10191.3
Mn 257.610	515.012	ppb	2.6862	0.5	116895
Mo 202.032	99.4104	ppb	1.0147	1.0	656.688
Na 330.237	4842.36	ppb	164.770	3.4	239.092
Ni 231.604	101.502	ppb	0.4818	0.5	240.971
Pb 220.353	50.1046	ppb	1.7531	3.5	82.9077
Sb 206.834	48.5704	ppb	3.1875	6.6	47.8694
Se 196.026	99.1633	ppb	2.5375	2.6	45.7487
Sn 189.925	197.927	ppb	1.6609	0.8	150.490
Sr 216.596	101.589	ppb	0.7164	0.7	964.905
Ti 334.941	100.669	ppb	0.4401	0.4	25664.7
Tl 190.794	42.6906	ppb	0.2522	0.6	27.2745
V 292.401	102.530	ppb	0.3468	0.3	2790.24
Zn 206.200	100.445	ppb	0.9931	1.0	154.903

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ics 680-270716/3-a (Samp) 3/27/2013, 9:06:15 PM Rack 1, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	204.658	203.712	204.419
Al 308.215	1926.20	1922.18	1918.30
As 188.980	198.441	202.912	201.429
B 249.678	374.364	376.671	377.204
Ba 389.178	194.340	195.473	194.105
Be 313.042	200.129	200.056	199.804
Ca 370.602	19391	19357	19351
Cd 226.502	196.678	195.670	195.372
Co 228.615	198.317	197.384	197.538
Cr 267.716	196.454	196.206	195.746
Cu 324.754	198.932	197.821	199.464
Fe 271.441	20460.9	20389.0	20371.4
K 766.491	19540.7	19523.7	19477.7
Mg 279.078	19651.5	19595.0	19547.3
Mn 257.610	2023.55	2017.85	2014.91
Mo 202.032	194.897	195.142	194.729
Na 330.237	17110.1	17462.8	17172.3
Ni 231.604	195.703	193.528	194.903
Pb 220.353	196.126	194.620	194.914
Sb 206.834	187.939	193.341	194.014
Se 196.026	204.934	202.415	189.216
Sn 189.925	198.671	198.417	191.195
Sr 216.596	210.214	209.318	209.456
Ti 334.941	197.905	197.998	197.575
Tl 190.794	49.2500	49.3237	49.1955
V 292.401	198.399	198.445	198.204
Zn 206.200	185.848	183.699	182.428

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	204.263	ppb	0.4921	0.2	14245.4
Al 308.215	1922.23	ppb	3.9480	0.2	11271.6
As 188.980	200.927	ppb	2.2774	1.1	111.072
B 249.678	376.080	ppb	1.5097	0.4	3784.30
Ba 389.178	194.640	ppb	0.7316	0.4	4723.26
Be 313.042	199.996	ppb	0.1705	0.1	386967
Ca 370.602	19366	ppb	21.79	0.1	60917
Cd 226.502	195.907	ppb	0.6844	0.3	7034.47
Co 228.615	197.747	ppb	0.4999	0.3	2273.75
Cr 267.716	196.136	ppb	0.3592	0.2	8217.89
Cu 324.754	198.739	ppb	0.8380	0.4	9712.33
Fe 271.441	20407.1	ppb	47.4174	0.2	34236.8
K 766.491	19514.0	ppb	32.5947	0.2	957954
Mg 279.078	19597.9	ppb	52.1469	0.3	39910.1
Mn 257.610	2018.77	ppb	4.3921	0.2	458003
Mo 202.032	194.923	ppb	0.2074	0.1	1272.48
Na 330.237	17248.4	ppb	188.293	1.1	863.158
Ni 231.604	194.712	ppb	1.1003	0.6	461.583
Pb 220.353	195.220	ppb	0.7986	0.4	316.519
Sb 206.834	191.765	ppb	3.3304	1.7	185.745
Se 196.026	198.855	ppb	8.4422	4.2	91.8270
Sn 189.925	196.094	ppb	4.2448	2.2	149.113
Sr 216.596	209.663	ppb	0.4823	0.2	1985.22
Ti 334.941	197.826	ppb	0.2224	0.1	50503.4
Tl 190.794	49.2564	ppb	0.0644	0.1	29.6854
V 292.401	198.350	ppb	0.1280	0.1	5402.93
Zn 206.200	183.992	ppb	1.7288	0.9	281.498

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88479-e-6-b (Samp) 3/27/2013, 9:11:40 PM Rack 1, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2219u	-0.5256u	-1.3647u
Al 308.215	15.2027	16.1960	16.9204
As 188.980	-0.1666	-3.9552u	-7.0949u
B 249.678	20.5208	19.1539	18.3354
Ba 389.178	33.7361	33.9892	32.4367
Be 313.042	-0.0520u	-0.0455u	-0.0590u
Ca 370.602	62683	62669	62701
Cd 226.502	-0.0222u	0.1151	0.0150
Co 228.615	0.5456	0.2587	0.8479
Cr 267.716	0.2660	0.0010	0.0084
Cu 324.754	1.1032	1.1143	0.7517
Fe 271.441	17.2298	13.9578	23.0440
K 766.491	685.540	687.594	688.348
Mg 279.078	24565.0	24523.9	24540.5
Mn 257.610	148.535	148.637	148.359
Mo 202.032	5.4628	6.0245	5.4343
Na 330.237	18204.5	18019.6	18168.0
Ni 231.604	3.3893	2.1094	2.4626
Pb 220.353	0.8700	0.3967	-3.1385u
Sb 206.834	3.2095	-1.7971u	4.1070
Se 196.026	7.7702	-3.4849u	0.3504
Sn 189.925	-2.1236u	-4.5927u	-1.6109u
Sr 216.596	90.7649	91.9589	90.5261
Ti 334.941	-0.1184	0.1324	-0.0572
Tl 190.794	-2.2362u	2.7101	-1.1124u
V 292.401	-0.4861u	0.3182	-0.1616u
Zn 206.200	4.3979	3.7730	3.9310

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7040	ppb	0.5919	84.1	-84.8873
Al 308.215	16.1064	ppb	0.8624	5.4	336.708
As 188.980	-3.7389	ppb	3.4692	92.8	0.5027
B 249.678	19.3367	ppb	1.1041	5.7	535.476
Ba 389.178	33.3873	ppb	0.8330	2.5	846.961
Be 313.042	-0.0522	ppb	0.0067	12.9	-255.546
Ca 370.602	62685	ppb	16.15	0.0	202339
Cd 226.502	0.0360	ppb	0.0710	197.4	14.5299
Co 228.615	0.5507	ppb	0.2946	53.5	19.7962
Cr 267.716	0.0918	ppb	0.1509	164.3	14.0912
Cu 324.754	0.9897	ppb	0.2062	20.8	155.713
Fe 271.441	18.0772	ppb	4.6020	25.5	32.8533
K 766.491	687.161	ppb	1.4531	0.2	33950.4
Mg 279.078	24543.1	ppb	20.6934	0.1	50008.2
Mn 257.610	148.511	ppb	0.1405	0.1	33883.0
Mo 202.032	5.6405	ppb	0.3328	5.9	51.6936
Na 330.237	18130.7	ppb	97.9001	0.5	916.846
Ni 231.604	2.6537	ppb	0.6610	24.9	7.2231
Pb 220.353	-0.6239	ppb	2.1905	351.1	1.4949
Sb 206.834	1.8398	ppb	3.1815	172.9	2.9710
Se 196.026	1.5452	ppb	5.7219	370.3	0.9098
Sn 189.925	-2.7757	ppb	1.5943	57.4	-1.2553
Sr 216.596	91.0833	ppb	0.7677	0.8	873.717
Ti 334.941	-0.0144	ppb	0.1308	906.5	66.0348
Tl 190.794	-0.2129	ppb	2.5929	1218.1	-0.5457
V 292.401	-0.1099	ppb	0.4046	368.3	-9.6979
Zn 206.200	4.0339	ppb	0.3249	8.1	9.3791

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680-88479-e-7-b (Samp)

3/27/2013, 9:17:05 PM

Rack 1, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2419u	-0.6940u	-0.2277u
Al 308.215	9.4815	9.0291	12.3042
As 188.980	-12.3076u	-11.1586u	-2.5961u
B 249.678	59.6766	61.0482	61.6622
Ba 389.178	26.7549	25.6737	26.8656
Be 313.042	-0.0493u	-0.0522u	-0.0542u
Ca 370.602	86521	86566	86513
Cd 226.502	-0.1653u	-0.1090u	-0.0777u
Co 228.615	0.2861	-0.3467u	-0.0407u
Cr 267.716	0.3046	0.0775	0.2059
Cu 324.754	0.6197	0.3461	0.7720
Fe 271.441	79.7563	80.7111	78.8792
K 766.491	267.687	267.598	268.920
Mg 279.078	40431.4	40428.6	40416.1
Mn 257.610	432.957	432.928	433.806
Mo 202.032	-0.1789u	0.2526	-0.5471u
Na 330.237	25288.3	25362.7	25142.8
Ni 231.604	0.0149	1.8303	1.6858
Pb 220.353	-2.7792u	-0.3885u	-1.3325u
Sb 206.834	-0.6831u	1.7169	-0.9382u
Se 196.026	-10.8486u	1.1662	0.8080
Sn 189.925	0.4798	-7.3915u	-1.0561u
Sr 216.596	112.517	113.269	113.096
Ti 334.941	-0.5205	-0.5023	-0.4405
Tl 190.794	0.6660	-0.7756u	1.1713
V 292.401	-1.3271u	-0.8728u	-0.7143u
Zn 206.200	3.3028	1.0812	3.0007

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3879	ppb	0.2652	68.4	-62.7605
Al 308.215	10.2716	ppb	1.7747	17.3	302.539
As 188.980	-8.6874	ppb	5.3064	61.1	-2.0067
B 249.678	60.7957	ppb	1.0166	1.7	915.152
Ba 389.178	26.4314	ppb	0.6585	2.5	723.522
Be 313.042	-0.0519	ppb	0.0024	4.7	-247.127
Ca 370.602	86533	ppb	28.94	0.0	279323
Cd 226.502	-0.1174	ppb	0.0444	37.8	9.3539
Co 228.615	-0.0338	ppb	0.3164	936.9	13.2990
Cr 267.716	0.1960	ppb	0.1139	58.1	19.6507
Cu 324.754	0.5792	ppb	0.2158	37.3	135.761
Fe 271.441	79.7822	ppb	0.9162	1.1	136.158
K 766.491	268.068	ppb	0.7393	0.3	13381.8
Mg 279.078	40425.4	ppb	8.1518	0.0	82352.3
Mn 257.610	433.230	ppb	0.4984	0.1	98532.7
Mo 202.032	-0.1578	ppb	0.4003	253.7	14.2579
Na 330.237	25264.6	ppb	111.848	0.4	1279.11
Ni 231.604	1.1770	ppb	1.0090	85.7	3.7335
Pb 220.353	-1.5001	ppb	1.2041	80.3	0.1530
Sb 206.834	0.0319	ppb	1.4648	4594.5	1.3224
Se 196.026	-2.9581	ppb	6.8357	231.1	-1.0887
Sn 189.925	-2.6559	ppb	4.1724	157.1	-1.1533
Sr 216.596	112.961	ppb	0.3939	0.3	1082.11
Ti 334.941	-0.4878	ppb	0.0419	8.6	10.1990
Tl 190.794	0.3539	ppb	1.0103	285.5	-0.4482
V 292.401	-0.9714	ppb	0.3181	32.7	-32.1109
Zn 206.200	2.4616	ppb	1.2049	48.9	7.1827

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1642u	-0.8842u	-0.5626u
Al 308.215	163.163	162.650	167.125
As 188.980	-3.5684u	-2.2760u	0.4351
B 249.678	7.2771	5.9719	7.2227
Ba 389.178	11.8472	11.3189	12.6999
Be 313.042	-0.0298u	-0.0343u	-0.0362u
Ca 370.602	37636	37553	37538
Cd 226.502	-0.2620u	0.1125	-0.0841u
Co 228.615	-0.4535u	0.0644	0.0869
Cr 267.716	0.4574	0.1574	0.4892
Cu 324.754	15.7394	14.5922	15.0263
Fe 271.441	225.790	220.197	229.498
K 766.491	2258.18	2255.22	2267.42
Mg 279.078	6343.26	6330.93	6328.86
Mn 257.610	12.9927	12.9100	12.9321
Mo 202.032	4.3969	3.9362	3.5400
Na 330.237	1721.41	1689.27	1766.57
Ni 231.604	2.2793	2.5380	3.3772
Pb 220.353	1.2640	-0.3618u	-0.4703u
Sb 206.834	3.8788	-1.8567u	6.8534
Se 196.026	-7.9829u	-0.6826u	-2.0913u
Sn 189.925	-3.8993u	-5.2990u	-4.2360u
Sr 216.596	98.2827	97.4122	97.6520
Ti 334.941	3.1290	3.0085	3.2865
Tl 190.794	0.7575	-5.6453u	-4.6452u
V 292.401	0.1932	0.3448	0.2388
Zn 206.200	3.6052	2.5066	2.5847

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8703	ppb	0.3010	34.6	-97.0505
Al 308.215	164.313	ppb	2.4489	1.5	1185.01
As 188.980	-1.8031	ppb	2.0432	113.3	1.3668
B 249.678	6.8239	ppb	0.7384	10.8	420.690
Ba 389.178	11.9553	ppb	0.6968	5.8	285.171
Be 313.042	-0.0334	ppb	0.0033	9.8	-225.246
Ca 370.602	37576	ppb	52.83	0.1	121270
Cd 226.502	-0.0779	ppb	0.1873	240.4	10.8092
Co 228.615	-0.1007	ppb	0.3057	303.5	12.4740
Cr 267.716	0.3680	ppb	0.1831	49.8	24.9110
Cu 324.754	15.1193	ppb	0.5792	3.8	837.917
Fe 271.441	225.161	ppb	4.6823	2.1	379.820
K 766.491	2260.28	ppb	6.3647	0.3	111157
Mg 279.078	6334.35	ppb	7.7864	0.1	12923.2
Mn 257.610	12.9449	ppb	0.0428	0.3	3042.89
Mo 202.032	3.9577	ppb	0.4288	10.8	40.8199
Na 330.237	1725.75	ppb	38.8336	2.3	83.7202
Ni 231.604	2.7315	ppb	0.5740	21.0	7.4106
Pb 220.353	0.1440	ppb	0.9715	674.8	2.7003
Sb 206.834	2.9585	ppb	4.4274	149.6	4.0699
Se 196.026	-3.5856	ppb	3.8728	108.0	-1.4724
Sn 189.925	-4.4781	ppb	0.7306	16.3	-2.5576
Sr 216.596	97.7823	ppb	0.4496	0.5	934.739
Ti 334.941	3.1413	ppb	0.1394	4.4	797.060
Tl 190.794	-3.1777	ppb	3.4445	108.4	-2.3775
V 292.401	0.2589	ppb	0.0778	30.0	0.7441
Zn 206.200	2.8988	ppb	0.6130	21.1	7.4566

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680-88479-e-9-b (Samp)

3/27/2013, 9:27:57 PM

Rack 1, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3330u	-1.1679u	-1.7437u
Al 308.215	1.1581	3.1392	1.0855
As 188.980	-8.5119u	-1.6492u	-8.0874u
B 249.678	-31.4839u	-32.2785u	-31.5482u
Ba 389.178	-0.9880u	-0.5144u	-0.1275u
Be 313.042	-0.0423u	-0.0437u	-0.0355u
Ca 370.602	146.9	143.8	147.0
Cd 226.502	-0.1301u	-0.1344u	0.1707
Co 228.615	0.5783	-0.3845u	-0.3006u
Cr 267.716	-0.1259u	-0.1397u	-0.2938u
Cu 324.754	4.3946	4.1903	4.4678
Fe 271.441	14.4794	13.4675	11.9220
K 766.491	3.4022	4.7376	3.4788
Mg 279.078	32.0718	30.6147	29.3680
Mn 257.610	0.3050	0.3346	0.2894
Mo 202.032	-0.4355u	-0.0172u	0.3016
Na 330.237	120.621	217.426	134.482
Ni 231.604	-0.8940u	1.5564	1.7598
Pb 220.353	1.5577	-0.0021u	-1.3705u
Sb 206.834	-0.7338u	-3.0605u	1.7535
Se 196.026	3.6448	3.7587	-9.7655u
Sn 189.925	1.1165	-3.2803u	0.4093
Sr 216.596	-0.7545u	-0.2197u	-0.0523u
Ti 334.941	-0.1376u	-0.1990u	-0.1016u
Tl 190.794	1.1057	3.4721	-2.6469u
V 292.401	0.1791	0.1651	-0.0171u
Zn 206.200	6.1178	5.3724	5.9380

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4149	ppb	0.2965	21.0	-130.886
Al 308.215	1.7943	ppb	1.1653	64.9	254.018
As 188.980	-6.0828	ppb	3.8455	63.2	-1.2305
B 249.678	-31.7702	ppb	0.4414	1.4	67.3922
Ba 389.178	-0.5433	ppb	0.4310	79.3	-31.2787
Be 313.042	-0.0405	ppb	0.0044	10.9	-250.995
Ca 370.602	145.9	ppb	1.811	1.2	466.4
Cd 226.502	-0.0313	ppb	0.1749	558.9	11.9086
Co 228.615	-0.0356	ppb	0.5333	1498.2	13.2638
Cr 267.716	-0.1865	ppb	0.0932	50.0	1.6094
Cu 324.754	4.3509	ppb	0.1438	3.3	317.840
Fe 271.441	13.2896	ppb	1.2879	9.7	24.7711
K 766.491	3.8729	ppb	0.7499	19.4	415.350
Mg 279.078	30.6849	ppb	1.3533	4.4	84.2983
Mn 257.610	0.3097	ppb	0.0230	7.4	142.080
Mo 202.032	-0.0504	ppb	0.3697	733.9	14.9529
Na 330.237	157.510	ppb	52.3500	33.2	4.1499
Ni 231.604	0.8074	ppb	1.4770	182.9	2.8586
Pb 220.353	0.0617	ppb	1.4651	2375.3	2.5747
Sb 206.834	-0.6803	ppb	2.4074	353.9	0.6364
Se 196.026	-0.7873	ppb	7.7755	987.6	-0.1934
Sn 189.925	-0.5848	ppb	2.3610	403.7	0.3718
Sr 216.596	-0.3421	ppb	0.3668	107.2	7.2851
Ti 334.941	-0.1461	ppb	0.0492	33.7	-67.2151
Tl 190.794	0.6436	ppb	3.0855	479.4	0.1656
V 292.401	0.1091	ppb	0.1094	100.4	-2.7230
Zn 206.200	5.8094	ppb	0.3890	6.7	81.5767

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680-88479-e-10-b (Samp) 3/27/2013, 9:33:24 PM Rack 1, Tube 60
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7390u	-0.5091u	0.2772
Al 308.215	7.0630	8.5324	9.2344
As 188.980	-4.6229u	-1.7338u	-5.7753u
B 249.678	31.3073	31.4978	32.3305
Ba 389.178	29.4978	28.7544	29.0638
Be 313.042	-0.0449u	-0.0595u	-0.0531u
Ca 370.602	76125	76058	75835
Cd 226.502	0.0866	-0.1024u	0.0962
Co 228.615	0.2177	0.1548	-0.2844u
Cr 267.716	0.1546	-0.1562u	-0.1660u
Cu 324.754	1.2227	1.8677	1.5699
Fe 271.441	23.6908	23.1638	19.0835
K 766.491	2449.47	2453.52	2459.04
Mg 279.078	14604.5	14584.6	14556.3
Mn 257.610	48.3002	48.2571	48.1340
Mo 202.032	11.4878	11.1540	11.5741
Na 330.237	2450.83	2370.55	2290.05
Ni 231.604	2.2136	0.1456	-0.2927u
Pb 220.353	-1.4130u	3.2895	-0.7120u
Sb 206.834	-0.5874u	-1.2269u	-4.1775u
Se 196.026	-4.9352u	2.5899	0.6000
Sn 189.925	-1.2816u	0.6909	-0.6403u
Sr 216.596	136.546	135.538	134.783
Ti 334.941	-0.0983	-0.1520	-0.1172
Tl 190.794	0.4991	1.1783	-3.1800u
V 292.401	-0.8735u	-1.1205u	-1.0297u
Zn 206.200	57.0804	55.6953	56.5273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3236	ppb	0.5329	164.7	-60.5130
Al 308.215	8.2766	ppb	1.1081	13.4	292.677
As 188.980	-4.0440	ppb	2.0820	51.5	0.4349
B 249.678	31.7118	ppb	0.5441	1.7	648.827
Ba 389.178	29.1053	ppb	0.3734	1.3	717.598
Be 313.042	-0.0525	ppb	0.0073	13.9	-250.099
Ca 370.602	76006	ppb	151.4	0.2	245336
Cd 226.502	0.0268	ppb	0.1120	418.0	14.1627
Co 228.615	0.0294	ppb	0.2736	931.8	13.6311
Cr 267.716	-0.0559	ppb	0.1823	326.3	7.2954
Cu 324.754	1.5534	ppb	0.3228	20.8	183.095
Fe 271.441	21.9794	ppb	2.5217	11.5	39.2548
K 766.491	2454.01	ppb	4.8030	0.2	120665
Mg 279.078	14581.8	ppb	24.2356	0.2	29720.8
Mn 257.610	48.2304	ppb	0.0862	0.2	11089.4
Mo 202.032	11.4053	ppb	0.2219	1.9	88.9136
Na 330.237	2370.48	ppb	80.3900	3.4	116.146
Ni 231.604	0.6888	ppb	1.3386	194.3	2.5785
Pb 220.353	0.3882	ppb	2.5370	653.6	3.0951
Sb 206.834	-1.9973	ppb	1.9150	95.9	-0.7720
Se 196.026	-0.5818	ppb	3.8992	670.3	-0.0881
Sn 189.925	-0.4103	ppb	1.0062	245.2	0.5333
Sr 216.596	135.623	ppb	0.8845	0.7	1294.26
Ti 334.941	-0.1225	ppb	0.0273	22.3	-1.3841
Tl 190.794	-0.5009	ppb	2.3449	468.2	-0.6408
V 292.401	-1.0079	ppb	0.1250	12.4	-35.5481
Zn 206.200	56.4344	ppb	0.6972	1.2	88.9951

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/27/2013, 9:38:49 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	500.419	493.337	497.152
Al 308.215	4967.86	4960.10	4972.07
As 188.980	468.900	461.558	464.234
B 249.678	2485.33	2489.74	2530.77
Ba 389.178	4910.21	4898.43	4916.58
Be 313.042	488.658	486.594	488.732
Ca 370.602	4915	4892	4904
Cd 226.502	489.893	488.554	490.636
Co 228.615	494.953	493.909	495.329
Cr 267.716	4881.67	4856.11	4866.05
Cu 324.754	4872.28	4901.41	4799.96
Fe 271.441	4950.56	4942.96	4936.44
K 766.491	10048.6	10051.2	10098.6
Mg 279.078	4896.41	4873.45	4896.77
Mn 257.610	4945.69	4916.30	4943.50
Mo 202.032	484.351	482.530	483.228
Na 330.237	7585.06	7274.34	7436.99
Ni 231.604	2463.51	2452.72	2450.21
Pb 220.353	488.592	485.072	484.760
Sb 206.834	906.085	909.549	918.759
Se 196.026	4878.90	4835.08	4827.35
Sn 189.925	5042.96	4955.27	4986.56
Sr 216.596	2439.74	2428.49	2428.23
Ti 334.941	491.652	489.867	490.144
Tl 190.794	4946.51	4927.23	4923.30
V 292.401	4921.62	4903.43	4926.42
Zn 206.200	2456.25	2445.64	2443.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.969	ppb	3.5442	0.7	34649.5	99.39384
Al 308.215	4966.68	ppb	6.0752	0.1	28656.9	99.33356
As 188.980	464.898	ppb	3.7153	0.8	254.349	92.97951
B 249.678	2501.95	ppb	25.0621	1.0	23269.5	100.07791
Ba 389.178	4908.41	ppb	9.2062	0.2	117462	98.16811
Be 313.042	487.994	ppb	1.2136	0.2	944281	97.59889
Ca 370.602	4903	ppb	11.29	0.2	15692	98.06969
Cd 226.502	489.695	ppb	1.0553	0.2	17456.8	97.93891
Co 228.615	494.730	ppb	0.7358	0.1	5680.56	98.94603
Cr 267.716	4867.94	ppb	12.8846	0.3	203486	97.35884
Cu 324.754	4857.88	ppb	52.2328	1.1	234621	97.15768
Fe 271.441	4943.32	ppb	7.0662	0.1	8407.32	98.86638
K 766.491	10066.1	ppb	28.1806	0.3	494260	100.66138
Mg 279.078	4888.88	ppb	13.3620	0.3	9902.40	97.77755
Mn 257.610	4935.16	ppb	16.3739	0.3	1119192	98.70325
Mo 202.032	483.370	ppb	0.9190	0.2	3127.49	96.67393
Na 330.237	7432.13	ppb	155.416	2.1	350.390	99.09506
Ni 231.604	2455.48	ppb	7.0678	0.3	5805.20	98.21919
Pb 220.353	486.141	ppb	2.1278	0.4	784.492	97.22826
Sb 206.834	911.464	ppb	6.5503	0.7	916.085	91.14642
Se 196.026	4847.11	ppb	27.8020	0.6	2222.89	96.94218
Sn 189.925	4994.93	ppb	44.4415	0.9	3777.98	99.89855
Sr 216.596	2432.15	ppb	6.5755	0.3	22869.1	97.28613
Ti 334.941	490.554	ppb	0.9605	0.2	125097	98.11086
Tl 190.794	4932.35	ppb	12.4205	0.3	3252.18	98.64697
V 292.401	4917.16	ppb	12.1278	0.2	134856	98.34315
Zn 206.200	2448.42	ppb	6.8732	0.3	3793.33	97.93690

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/27/2013, 9:44:14 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8827u	-0.2937u	-0.8295u
Al 308.215	-1.0658u	-0.8997u	-1.3706u
As 188.980	0.2836	2.6776	-1.8313u
B 249.678	29.0913	23.5594	20.5233
Ba 389.178	0.0058	-1.2173u	0.1878
Be 313.042	-0.0155u	-0.0309u	-0.0273u
Ca 370.602	1.811	-4.189u	1.145
Cd 226.502	-0.0914u	-0.2786u	-0.0934u
Co 228.615	-0.4044u	-0.2866u	0.3369
Cr 267.716	-0.0910u	-0.1148u	0.1825
Cu 324.754	-0.6864u	0.0302	-0.7607u
Fe 271.441	-2.7039u	-0.1079u	-0.8430u
K 766.491	0.2092	-0.5268u	0.0101
Mg 279.078	1.3077	1.4664	7.5424
Mn 257.610	-0.0732u	-0.0737u	-0.0823u
Mo 202.032	0.3634	-0.5514u	-0.1941u
Na 330.237	145.661	193.710	-73.5206u
Ni 231.604	-0.4438u	0.6243	-0.9996u
Pb 220.353	1.0988	-0.2731u	-0.9981u
Sb 206.834	-1.0527u	0.5596	6.1431
Se 196.026	-11.3850u	3.3921	0.9467
Sn 189.925	1.6331	1.3630	-3.6402u
Sr 216.596	-0.3168u	0.3007	-0.1821u
Ti 334.941	-0.0767u	-0.1178u	-0.1192u
Tl 190.794	5.2170	0.4272	-5.9586u
V 292.401	0.1293	0.0591	-0.1831u
Zn 206.200	-0.0567u	2.3954	-0.1363u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6686	ppb	0.3258	48.7	-78.7426	-0.66863
Al 308.215	-1.1120	ppb	0.2389	21.5	237.350	-1.11201
As 188.980	0.3766	ppb	2.2559	599.0	2.2754	0.37660
B 249.678	24.3913	ppb	4.3442	17.8	581.790	24.39130
Ba 389.178	-0.3413	ppb	0.7642	223.9	-26.5317	-0.34126
Be 313.042	-0.0246	ppb	0.0081	32.9	-220.228	-0.02458
Ca 370.602	-0.4113	ppb	3.288	799.6	-5.243	-0.41126
Cd 226.502	-0.1545	ppb	0.1075	69.6	7.5047	-0.15449
Co 228.615	-0.1181	ppb	0.3984	337.4	12.3296	-0.11806
Cr 267.716	-0.0078	ppb	0.1652	2123.6	9.0763	-0.00778
Cu 324.754	-0.4723	ppb	0.4367	92.5	84.9601	-0.47229
Fe 271.441	-1.2183	ppb	1.3381	109.8	0.3883	-1.21829
K 766.491	-0.1025	ppb	0.3807	371.4	220.243	-0.10251
Mg 279.078	3.4389	ppb	3.5547	103.4	28.8099	3.43886
Mn 257.610	-0.0764	ppb	0.0051	6.7	54.3763	-0.07636
Mo 202.032	-0.1273	ppb	0.4610	362.0	14.4565	-0.12735
Na 330.237	88.6167	ppb	142.455	160.8	0.6914	88.61669
Ni 231.604	-0.2730	ppb	0.8253	302.3	0.3046	-0.27303
Pb 220.353	-0.0575	ppb	1.0650	1852.9	2.3834	-0.05748
Sb 206.834	1.8833	ppb	3.7761	200.5	3.0875	1.88334
Se 196.026	-2.3487	ppb	7.9206	337.2	-0.9091	-2.34870
Sn 189.925	-0.2147	ppb	2.9696	1383.0	0.6516	-0.21473
Sr 216.596	-0.0661	ppb	0.3247	491.3	9.8761	-0.06609
Ti 334.941	-0.1046	ppb	0.0242	23.1	-56.7349	-0.10457
Tl 190.794	-0.1048	ppb	5.6068	5349.4	-0.3279	-0.10481
V 292.401	0.0018	ppb	0.1639	9160.5	-5.6266	0.00179
Zn 206.200	0.7341	ppb	1.4392	196.0	3.8748	0.73412

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88490-c-4-b (Samp) 3/27/2013, 9:49:39 PM Rack 2, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1583u	-1.0131u	-0.8645u
Al 308.215	23.3949	23.3015	25.6009
As 188.980	-4.1112u	-3.2491u	1.0756
B 249.678	4.7732	4.0434	3.8504
Ba 389.178	15.3794	15.3593	15.1831
Be 313.042	-0.0263u	-0.0273u	-0.0316u
Ca 370.602	1618	1609	1616
Cd 226.502	-0.0164u	-0.3463u	-0.0200u
Co 228.615	0.2479	0.6998	0.0169
Cr 267.716	-0.4410u	-0.5373u	-0.3431u
Cu 324.754	0.0209	0.0790	0.4779
Fe 271.441	100.916	95.2389	104.568
K 766.491	383.145	384.077	385.993
Mg 279.078	523.476	519.032	524.550
Mn 257.610	15.9087	15.9458	15.8834
Mo 202.032	0.5374	1.4521	0.5553
Na 330.237	32287.1	31937.9	32228.5
Ni 231.604	0.7257	3.1176	1.8406
Pb 220.353	1.4849	-0.9911u	1.3211
Sb 206.834	-0.9506u	-0.9292u	-0.3328u
Se 196.026	4.5046	-5.3691u	-7.1232u
Sn 189.925	-1.7491u	3.3506	-1.3025u
Sr 216.596	31.7362	31.8686	31.2433
Ti 334.941	0.3098	0.2938	0.3471
Tl 190.794	-5.7354u	-2.1655u	4.5522
V 292.401	1.6219	1.1573	1.0142
Zn 206.200	0.8481	1.2423	0.2831

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6786	ppb	0.4567	67.3	-80.6987
Al 308.215	24.0991	ppb	1.3014	5.4	381.798
As 188.980	-2.0949	ppb	2.7794	132.7	0.9445
B 249.678	4.2223	ppb	0.4867	11.5	396.974
Ba 389.178	15.3073	ppb	0.1080	0.7	349.448
Be 313.042	-0.0284	ppb	0.0028	10.0	-231.238
Ca 370.602	1614	ppb	4.459	0.3	5199
Cd 226.502	-0.1276	ppb	0.1894	148.5	8.5137
Co 228.615	0.3215	ppb	0.3473	108.0	17.3337
Cr 267.716	-0.4405	ppb	0.0971	22.0	-8.4349
Cu 324.754	0.1926	ppb	0.2488	129.2	117.102
Fe 271.441	100.241	ppb	4.7010	4.7	170.558
K 766.491	384.405	ppb	1.4521	0.4	19091.5
Mg 279.078	522.352	ppb	2.9253	0.6	1085.48
Mn 257.610	15.9127	ppb	0.0314	0.2	3682.93
Mo 202.032	0.8483	ppb	0.5230	61.7	20.7489
Na 330.237	32151.2	ppb	187.026	0.6	1628.82
Ni 231.604	1.8946	ppb	1.1969	63.2	5.4301
Pb 220.353	0.6049	ppb	1.3847	228.9	3.4503
Sb 206.834	-0.7375	ppb	0.3507	47.5	0.5708
Se 196.026	-2.6626	ppb	6.2686	235.4	-1.0491
Sn 189.925	0.0997	ppb	2.8242	2833.4	0.9005
Sr 216.596	31.6160	ppb	0.3295	1.0	308.391
Ti 334.941	0.3169	ppb	0.0274	8.6	50.5737
Tl 190.794	-1.1162	ppb	5.2235	468.0	-1.0138
V 292.401	1.2645	ppb	0.3177	25.1	28.6921
Zn 206.200	0.7912	ppb	0.4822	60.9	3.9751

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88490-c-8-b (Samp) 3/27/2013, 9:55:15 PM Rack 2, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0650u	-1.5723u	-1.9758u
Al 308.215	6.4293	1.8564	2.5585
As 188.980	-5.9477u	-6.8152u	-14.9821u
B 249.678	80.2399	81.0657	81.7802
Ba 389.178	49.7202	48.9765	49.7565
Be 313.042	0.0218	0.0198	0.0295
Ca 370.602	5385	5353	5345
Cd 226.502	0.0049	-0.0592u	0.0995
Co 228.615	1.3352	1.2855	0.9052
Cr 267.716	0.0015	0.0209	-0.0249u
Cu 324.754	1.4357	1.8210	2.1247
Fe 271.441	10.0311	6.5343	11.9792
K 766.491	729.685	725.011	724.605
Mg 279.078	724.454	720.238	716.597
Mn 257.610	40.8598	40.5332	40.6312
Mo 202.032	-0.8124u	-1.1494u	-0.7585u
Na 330.237	8310.24	8224.61	8470.40
Ni 231.604	5.1970	5.9670	4.8654
Pb 220.353	-1.2057u	-4.9492u	0.1111
Sb 206.834	-0.8968u	0.9337	-3.8721u
Se 196.026	5.7265	-2.0617u	-5.1353u
Sn 189.925	-3.1473u	-2.7638u	3.9579
Sr 216.596	111.391	110.020	110.378
Ti 334.941	-0.0521u	-0.1526u	-0.1097u
Tl 190.794	-5.6150u	-0.0792u	-3.8204u
V 292.401	0.5087	0.4612	0.3825
Zn 206.200	21.6602	21.0032	23.0833

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1610	ppb	1.0808	93.1	-117.764
Al 308.215	3.6147	ppb	2.4626	68.1	264.294
As 188.980	-9.2483	ppb	4.9845	53.9	-2.9103
B 249.678	81.0286	ppb	0.7708	1.0	1100.53
Ba 389.178	49.4844	ppb	0.4402	0.9	1167.62
Be 313.042	0.0237	ppb	0.0051	21.6	-125.799
Ca 370.602	5361	ppb	21.56	0.4	17301
Cd 226.502	0.0151	ppb	0.0799	529.5	13.5234
Co 228.615	1.1753	ppb	0.2352	20.0	27.1503
Cr 267.716	-0.0008	ppb	0.0230	2857.2	9.6498
Cu 324.754	1.7938	ppb	0.3453	19.2	194.346
Fe 271.441	9.5149	ppb	2.7589	29.0	18.6070
K 766.491	726.434	ppb	2.8227	0.4	35877.9
Mg 279.078	720.430	ppb	3.9318	0.5	1488.52
Mn 257.610	40.6748	ppb	0.1676	0.4	9298.93
Mo 202.032	-0.9067	ppb	0.2118	23.4	9.4235
Na 330.237	8335.08	ppb	124.761	1.5	419.293
Ni 231.604	5.3431	ppb	0.5652	10.6	13.5799
Pb 220.353	-2.0146	ppb	2.6254	130.3	-0.7563
Sb 206.834	-1.2784	ppb	2.4255	189.7	0.0788
Se 196.026	-0.4902	ppb	5.5989	1142.3	-0.0479
Sn 189.925	-0.6511	ppb	3.9961	613.8	0.3264
Sr 216.596	110.596	ppb	0.7109	0.6	1052.61
Ti 334.941	-0.1048	ppb	0.0504	48.1	-54.4458
Tl 190.794	-3.1715	ppb	2.8244	89.1	-2.3910
V 292.401	0.4508	ppb	0.0638	14.1	6.8315
Zn 206.200	21.9155	ppb	1.0633	4.8	26.0567

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680-88490-c-13-b (Samp) 3/27/2013, 10:00:40 PM Rack 2, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6476u	-0.3396u	-1.1120u
Al 308.215	5.4540	5.5838	3.7490
As 188.980	-7.4147u	-8.5305u	3.1977
B 249.678	37.3939	38.5775	36.9767
Ba 389.178	51.1386	51.2546	50.3623
Be 313.042	-0.0378u	-0.0431u	-0.0374u
Ca 370.602	15066	15059	14929
Cd 226.502	0.6954	0.8519	0.8894
Co 228.615	3.5310	4.8948	4.2795
Cr 267.716	-0.1521u	0.2002	-0.5463u
Cu 324.754	2.5776	3.0629	2.1960
Fe 271.441	437.016	432.218	430.947
K 766.491	962.113	964.985	953.660
Mg 279.078	2640.22	2646.17	2623.56
Mn 257.610	439.022	439.394	436.156
Mo 202.032	-0.8916u	-0.7251u	-1.5797u
Na 330.237	67108.5	67207.6	66767.5
Ni 231.604	2.8383	2.5028	2.5126
Pb 220.353	-0.1943u	0.0993	-1.1934u
Sb 206.834	4.4885	4.9086	2.7545
Se 196.026	-7.5462u	0.4467	-1.5201u
Sn 189.925	-1.3051u	-0.3798u	-5.5625u
Sr 216.596	120.032	120.575	120.260
Ti 334.941	-0.0939u	-0.1855u	-0.2286u
Tl 190.794	2.7282	5.9232	-5.4337u
V 292.401	-0.1054u	0.0669	-0.1804u
Zn 206.200	79.0314	81.4298	80.7228

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6997	ppb	0.3888	55.6	-84.2553
Al 308.215	4.9289	ppb	1.0239	20.8	271.816
As 188.980	-4.2492	ppb	6.4732	152.3	-0.1281
B 249.678	37.6494	ppb	0.8304	2.2	702.831
Ba 389.178	50.9185	ppb	0.4852	1.0	1207.73
Be 313.042	-0.0395	ppb	0.0032	8.1	-251.941
Ca 370.602	15018	ppb	77.10	0.5	48450
Cd 226.502	0.8122	ppb	0.1029	12.7	42.5824
Co 228.615	4.2351	ppb	0.6830	16.1	62.1343
Cr 267.716	-0.1661	ppb	0.3735	224.8	5.2450
Cu 324.754	2.6121	ppb	0.4345	16.6	233.980
Fe 271.441	433.393	ppb	3.2006	0.7	729.455
K 766.491	960.253	ppb	5.8870	0.6	47353.4
Mg 279.078	2636.65	ppb	11.7178	0.4	5385.35
Mn 257.610	438.191	ppb	1.7720	0.4	99449.6
Mo 202.032	-1.0655	ppb	0.4531	42.5	8.3806
Na 330.237	67027.9	ppb	230.894	0.3	3399.20
Ni 231.604	2.6179	ppb	0.1909	7.3	7.1461
Pb 220.353	-0.4294	ppb	0.6777	157.8	1.8763
Sb 206.834	4.0505	ppb	1.1419	28.2	5.1783
Se 196.026	-2.8732	ppb	4.1647	145.0	-1.0480
Sn 189.925	-2.4158	ppb	2.7641	114.4	-0.9851
Sr 216.596	120.289	ppb	0.2729	0.2	1144.96
Ti 334.941	-0.1693	ppb	0.0688	40.6	-67.2208
Tl 190.794	1.0726	ppb	5.8566	546.0	0.0126
V 292.401	-0.0730	ppb	0.1268	173.8	-8.0119
Zn 206.200	80.3947	ppb	1.2324	1.5	124.866

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680-88506-a-10-a (Samp) 3/27/2013, 10:06:05 PM Rack 2, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5228u	-0.3433u	-1.0890u
Al 308.215	499.187	503.336	500.593
As 188.980	-8.3441u	-5.3044u	-5.2884u
B 249.678	-19.9093u	-19.5070u	-19.3271u
Ba 389.178	22.2237	21.4805	22.1096
Be 313.042	0.0599	0.0567	0.0599
Ca 370.602	658.6	667.3	669.3
Cd 226.502	661.398	665.524	667.167
Co 228.615	22.2653	21.4941	22.5882
Cr 267.716	-0.2261u	0.0306u	-0.0706u
Cu 324.754	8.0996	9.0661	8.2199
Fe 271.441	2.4378	7.2260	6.7145
K 766.491	366.029	367.202	366.571
Mg 279.078	1298.87	1312.25	1321.14
Mn 257.610	7.0385	7.1405	7.1504
Mo 202.032	-1.4937u	-1.1549u	-0.8531u
Na 330.237	10120.6	10244.8	10204.2
Ni 231.604	271.333	272.965	275.660
Pb 220.353	1.8046	0.6632	2.9028
Sb 206.834	-4.4541u	-0.6917u	-0.0452u
Se 196.026	5.2576	-4.1514u	0.1822
Sn 189.925	-3.0194u	-4.3345u	-1.4861u
Sr 216.596	14.7157	14.8449	15.4546
Ti 334.941	-0.3632u	-0.2262u	-0.2771u
Tl 190.794	2.2520	0.8218	-2.1122u
V 292.401	0.2600	-0.2290u	0.0694
Zn 206.200	8.1195	4.0417	4.1352

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9850	ppb	0.5966	60.6	-101.471
Al 308.215	501.039	ppb	2.1102	0.4	3112.28
As 188.980	-6.3123	ppb	1.7596	27.9	-1.3510
B 249.678	-19.5811	ppb	0.2981	1.5	179.036
Ba 389.178	21.9379	ppb	0.4002	1.8	510.096
Be 313.042	0.0588	ppb	0.0018	3.1	-59.6735
Ca 370.602	665.1	ppb	5.646	0.8	2142
Cd 226.502	664.697	ppb	2.9724	0.4	23674.8
Co 228.615	22.1159	ppb	0.5622	2.5	266.645
Cr 267.716	-0.0887	ppb	0.1293	145.8	0.3743
Cu 324.754	8.4619	ppb	0.5267	6.2	516.294
Fe 271.441	5.4594	ppb	2.6293	48.2	15.0219
K 766.491	366.601	ppb	0.5871	0.2	18217.6
Mg 279.078	1310.75	ppb	11.2097	0.9	2691.24
Mn 257.610	7.1098	ppb	0.0620	0.9	1691.04
Mo 202.032	-1.1672	ppb	0.3205	27.5	7.7425
Na 330.237	10189.9	ppb	63.3500	0.6	513.604
Ni 231.604	273.319	ppb	2.1855	0.8	647.010
Pb 220.353	1.7902	ppb	1.1199	62.6	5.3425
Sb 206.834	-1.7303	ppb	2.3809	137.6	-0.3530
Se 196.026	0.4295	ppb	4.7094	1096.6	0.3659
Sn 189.925	-2.9467	ppb	1.4256	48.4	-1.4107
Sr 216.596	15.0051	ppb	0.3947	2.6	147.839
Ti 334.941	-0.2888	ppb	0.0692	24.0	-99.0577
Tl 190.794	0.3205	ppb	2.2248	694.1	-0.0462
V 292.401	0.0334	ppb	0.2465	737.0	-4.6526
Zn 206.200	5.4321	ppb	2.3278	42.9	11.0086

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680-88506-a-11-a (Samp) 3/27/2013, 10:11:30 PM Rack 2, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0864u	-0.5962u	0.0459
Al 308.215	222.622	222.438	225.111
As 188.980	-5.3337u	-6.0668u	-12.0012u
B 249.678	-19.5402u	-19.7607u	-18.9491u
Ba 389.178	16.2516	16.7063	16.3121
Be 313.042	0.1015	0.0995	0.0991
Ca 370.602	1042	1030	1040
Cd 226.502	0.1510	0.2132	-0.0633u
Co 228.615	0.1013	0.8771	0.8111
Cr 267.716	-0.3064u	-0.0333u	-0.0557u
Cu 324.754	1.5654	0.8546	1.3842
Fe 271.441	67.8360	68.3456	64.3920
K 766.491	201.351	200.503	198.877
Mg 279.078	1321.33	1317.90	1319.03
Mn 257.610	3.6114	3.6718	3.5756
Mo 202.032	-0.8054u	-1.3256u	-0.8876u
Na 330.237	3982.24	3940.12	3806.56
Ni 231.604	1.1463	-0.0407u	1.6914
Pb 220.353	2.4884	-0.1369u	0.6008
Sb 206.834	1.1208	2.4220	1.3569
Se 196.026	1.9123	1.2815	7.1456
Sn 189.925	-1.5372u	-2.1315u	2.2629
Sr 216.596	30.3311	29.2292	29.9209
Ti 334.941	0.3457	0.4503	0.3379
Tl 190.794	0.7139	0.9491	-1.6615u
V 292.401	1.2889	1.3560	1.4971
Zn 206.200	17.2384	17.7551	18.3356

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5456	ppb	0.5678	104.1	-71.4116
Al 308.215	223.390	ppb	1.4929	0.7	1522.61
As 188.980	-7.8006	ppb	3.6563	46.9	-2.1568
B 249.678	-19.4167	ppb	0.4197	2.2	180.488
Ba 389.178	16.4233	ppb	0.2469	1.5	378.259
Be 313.042	0.1000	ppb	0.0013	1.3	20.8989
Ca 370.602	1037	ppb	6.647	0.6	3339
Cd 226.502	0.1003	ppb	0.1451	144.6	16.7206
Co 228.615	0.5965	ppb	0.4302	72.1	20.5376
Cr 267.716	-0.1318	ppb	0.1516	115.1	3.9695
Cu 324.754	1.2681	ppb	0.3694	29.1	168.975
Fe 271.441	66.8579	ppb	2.1506	3.2	114.582
K 766.491	200.244	ppb	1.2571	0.6	10053.0
Mg 279.078	1319.42	ppb	1.7476	0.1	2709.05
Mn 257.610	3.6196	ppb	0.0486	1.3	899.853
Mo 202.032	-1.0062	ppb	0.2796	27.8	8.7773
Na 330.237	3909.64	ppb	91.7158	2.3	194.578
Ni 231.604	0.9324	ppb	0.8857	95.0	3.1551
Pb 220.353	0.9841	ppb	1.3540	137.6	4.0564
Sb 206.834	1.6332	ppb	0.6932	42.4	2.8603
Se 196.026	3.4464	ppb	3.2190	93.4	1.7480
Sn 189.925	-0.4686	ppb	2.3841	508.8	0.4612
Sr 216.596	29.8271	ppb	0.5569	1.9	291.569
Ti 334.941	0.3780	ppb	0.0628	16.6	71.4837
Tl 190.794	0.0005	ppb	1.4442	295751.8	-0.2634
V 292.401	1.3807	ppb	0.1063	7.7	32.4301
Zn 206.200	17.7764	ppb	0.5489	3.1	20.7416

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680-88506-a-12-a (Samp) **3/27/2013, 10:16:55 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4320u	0.3760	-0.7874u
Al 308.215	114.849	110.673	112.294
As 188.980	-6.1848u	-2.8120u	-9.1875u
B 249.678	-22.4250u	-22.4315u	-21.8498u
Ba 389.178	9.5611	8.8858	9.6551
Be 313.042	0.0315	0.0293	0.0386
Ca 370.602	2631	2606	2621
Cd 226.502	0.3377	0.3156	0.1896
Co 228.615	0.3781	0.4808	0.4624
Cr 267.716	-0.0489u	0.1148	-0.0466u
Cu 324.754	3.1698	3.3887	3.6069
Fe 271.441	21.9650	9.5901	11.2353
K 766.491	282.738	279.073	279.945
Mg 279.078	1683.60	1670.74	1676.26
Mn 257.610	16.8681	16.7471	16.8152
Mo 202.032	-0.0830u	-1.5038u	-1.0839u
Na 330.237	18612.3	18262.8	18489.1
Ni 231.604	0.2166	2.7421	0.2085
Pb 220.353	2.4806	-0.0054u	1.3461
Sb 206.834	2.1729	3.1930	-1.2623u
Se 196.026	8.5500	-9.1739u	-3.3456u
Sn 189.925	-2.2657u	-0.4847u	2.1837
Sr 216.596	48.2706	48.6917	48.2548
Ti 334.941	0.1748	0.1406	0.0051
Tl 190.794	-2.9776u	-0.8865u	-1.6606u
V 292.401	0.4069	0.5889	0.4409
Zn 206.200	25.7802	23.5886	24.7772

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2811	ppb	0.5962	212.1	-53.6456
Al 308.215	112.605	ppb	2.1056	1.9	888.343
As 188.980	-6.0615	ppb	3.1895	52.6	-1.2004
B 249.678	-22.2354	ppb	0.3340	1.5	154.719
Ba 389.178	9.3673	ppb	0.4197	4.5	210.306
Be 313.042	0.0331	ppb	0.0048	14.6	-109.778
Ca 370.602	2619	ppb	12.25	0.5	8451
Cd 226.502	0.2810	ppb	0.0799	28.4	22.9531
Co 228.615	0.4405	ppb	0.0548	12.4	18.7441
Cr 267.716	0.0064	ppb	0.0939	1464.2	10.0211
Cu 324.754	3.3885	ppb	0.2186	6.5	271.346
Fe 271.441	14.2635	ppb	6.7203	47.1	26.4223
K 766.491	280.585	ppb	1.9141	0.7	13996.1
Mg 279.078	1676.87	ppb	6.4518	0.4	3436.90
Mn 257.610	16.8101	ppb	0.0606	0.4	3892.64
Mo 202.032	-0.8902	ppb	0.7299	82.0	9.5299
Na 330.237	18454.7	ppb	177.267	1.0	933.153
Ni 231.604	1.0557	ppb	1.4604	138.3	3.4457
Pb 220.353	1.2738	ppb	1.2446	97.7	4.5271
Sb 206.834	1.3679	ppb	2.3342	170.6	2.6036
Se 196.026	-1.3232	ppb	9.0334	682.7	-0.4352
Sn 189.925	-0.1889	ppb	2.2394	1185.4	0.6782
Sr 216.596	48.4057	ppb	0.2478	0.5	466.654
Ti 334.941	0.1068	ppb	0.0897	84.0	2.7275
Tl 190.794	-1.8416	ppb	1.0572	57.4	-1.4906
V 292.401	0.4789	ppb	0.0967	20.2	7.4989
Zn 206.200	24.7153	ppb	1.0971	4.4	40.2832

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88506-a-14-a (Samp) **3/27/2013, 10:22:20 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8129u	0.1078	-0.5555u
Al 308.215	77.7844	77.3971	76.9896
As 188.980	-3.8887u	1.1388	-6.5216u
B 249.678	-17.0794u	-18.6124u	-18.7584u
Ba 389.178	9.1447	8.7064	9.4825
Be 313.042	0.0203	0.0145	0.0230
Ca 370.602	2462	2452	2445
Cd 226.502	3.8054	3.7975	3.7525
Co 228.615	1.0916	0.3043	0.7156
Cr 267.716	-0.3121u	-0.1692u	-0.1214u
Cu 324.754	1.1302	0.8041	1.6418
Fe 271.441	10.9807	11.5035	15.9898
K 766.491	223.988	221.830	220.971
Mg 279.078	819.737	811.819	807.086
Mn 257.610	3.8186	3.7980	3.8094
Mo 202.032	-0.9159u	-1.0431u	-1.1528u
Na 330.237	10917.3	10953.2	10610.1
Ni 231.604	9.6588	8.1879	8.4698
Pb 220.353	-2.1248u	3.8344	4.3574
Sb 206.834	1.1152	-6.2372u	0.6897
Se 196.026	-6.0083u	2.2360	3.6228
Sn 189.925	0.0782	-1.1963u	-0.9512u
Sr 216.596	68.8745	67.7130	69.0834
Ti 334.941	-0.0422u	0.0556	0.1257
Tl 190.794	-3.9871u	5.3180	6.3571
V 292.401	0.8414	0.2735	0.4895
Zn 206.200	26.1512	24.9166	25.1150

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4202	ppb	0.4750	113.0	-64.2899
Al 308.215	77.3903	ppb	0.3975	0.5	686.677
As 188.980	-3.0905	ppb	3.8921	125.9	0.4114
B 249.678	-18.1501	ppb	0.9301	5.1	192.144
Ba 389.178	9.1112	ppb	0.3891	4.3	201.832
Be 313.042	0.0193	ppb	0.0043	22.5	-135.704
Ca 370.602	2453	ppb	8.528	0.3	7914
Cd 226.502	3.7851	ppb	0.0286	0.8	147.710
Co 228.615	0.7038	ppb	0.3938	55.9	21.7660
Cr 267.716	-0.2009	ppb	0.0992	49.4	1.1548
Cu 324.754	1.1920	ppb	0.4223	35.4	165.288
Fe 271.441	12.8246	ppb	2.7536	21.5	23.9947
K 766.491	222.263	ppb	1.5545	0.7	11133.7
Mg 279.078	812.880	ppb	6.3920	0.8	1677.37
Mn 257.610	3.8087	ppb	0.0103	0.3	939.761
Mo 202.032	-1.0373	ppb	0.1185	11.4	8.5807
Na 330.237	10826.9	ppb	188.582	1.7	545.799
Ni 231.604	8.7722	ppb	0.7807	8.9	21.6853
Pb 220.353	2.0223	ppb	3.6010	178.1	5.7298
Sb 206.834	-1.4774	ppb	4.1276	279.4	-0.1100
Se 196.026	-0.0499	ppb	5.2066	10443.4	0.1454
Sn 189.925	-0.6898	ppb	0.6763	98.0	0.2968
Sr 216.596	68.5570	ppb	0.7383	1.1	656.350
Ti 334.941	0.0464	ppb	0.0843	181.8	-15.6866
Tl 190.794	2.5627	ppb	5.6960	222.3	1.4295
V 292.401	0.5348	ppb	0.2867	53.6	9.1505
Zn 206.200	25.3943	ppb	0.6630	2.6	413.120

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680-88506-a-13-a (Samp) 3/27/2013, 10:27:46 PM Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2132	-0.8592u	0.0334
Al 308.215	360.705	359.428	362.524
As 188.980	-3.2228u	-4.7554u	-1.7505u
B 249.678	-21.9733u	-21.9936u	-21.7518u
Ba 389.178	7.3058	8.1795	7.2690
Be 313.042	0.0416	0.0457	0.0443
Ca 370.602	2257	2267	2297
Cd 226.502	146.657	147.245	148.205
Co 228.615	4.4870	4.6704	3.8056
Cr 267.716	0.0214u	0.0107u	-0.3638u
Cu 324.754	1.8555	1.5047	1.2153
Fe 271.441	12.6702	14.8429	2.5927
K 766.491	209.258	209.163	209.841
Mg 279.078	1009.64	1006.38	1017.95
Mn 257.610	7.1593	7.2566	7.2683
Mo 202.032	-0.8148u	-1.4554u	-0.4347u
Na 330.237	16637.4	16644.5	16791.1
Ni 231.604	64.9954	65.7500	66.9510
Pb 220.353	1.0598	0.9599	0.9669
Sb 206.834	-7.2467u	-4.5585u	1.9525
Se 196.026	0.0636	0.3739	-5.6185u
Sn 189.925	-3.2757u	-4.2529u	0.5354
Sr 216.596	50.0020	51.3308	51.6412
Ti 334.941	-0.1109u	-0.0856u	-0.1186u
Tl 190.794	1.4657	5.8249	-5.2394u
V 292.401	0.8043	0.0843	0.4903
Zn 206.200	8.2820	7.4391	6.6906

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2042	ppb	0.5743	281.3	-48.4140
Al 308.215	360.886	ppb	1.5555	0.4	2309.81
As 188.980	-3.2429	ppb	1.5025	46.3	0.3272
B 249.678	-21.9062	ppb	0.1341	0.6	157.736
Ba 389.178	7.5848	ppb	0.5154	6.8	165.851
Be 313.042	0.0439	ppb	0.0021	4.8	-88.8244
Ca 370.602	2274	ppb	21.09	0.9	7335
Cd 226.502	147.369	ppb	0.7814	0.5	5259.00
Co 228.615	4.3210	ppb	0.4557	10.5	63.1340
Cr 267.716	-0.1106	ppb	0.2194	198.4	3.8483
Cu 324.754	1.5252	ppb	0.3206	21.0	181.371
Fe 271.441	10.0353	ppb	6.5364	65.1	19.9751
K 766.491	209.421	ppb	0.3675	0.2	10503.4
Mg 279.078	1011.32	ppb	5.9691	0.6	2081.42
Mn 257.610	7.2281	ppb	0.0599	0.8	1716.19
Mo 202.032	-0.9016	ppb	0.5159	57.2	9.4564
Na 330.237	16691.0	ppb	86.7964	0.5	843.719
Ni 231.604	65.8988	ppb	0.9862	1.5	156.719
Pb 220.353	0.9955	ppb	0.0558	5.6	4.0724
Sb 206.834	-3.2842	ppb	4.7301	144.0	-1.8347
Se 196.026	-1.7270	ppb	3.3737	195.4	-0.6225
Sn 189.925	-2.3311	ppb	2.5301	108.5	-0.9424
Sr 216.596	50.9913	ppb	0.8707	1.7	490.038
Ti 334.941	-0.1050	ppb	0.0172	16.4	-53.9015
Tl 190.794	0.6837	ppb	5.5735	815.2	0.1872
V 292.401	0.4597	ppb	0.3610	78.5	7.0488
Zn 206.200	7.4706	ppb	0.7962	10.7	14.1144

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88506-a-15-a (Samp) 3/27/2013, 10:33:12 PM Rack 2, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4604u	-1.0473u	-0.4629u
Al 308.215	109.685	107.933	115.333
As 188.980	-7.1442u	-6.7030u	-3.4509u
B 249.678	-20.8760u	-21.1357u	-20.1514u
Ba 389.178	14.0671	13.7465	13.5557
Be 313.042	0.0075	0.0021	0.0090
Ca 370.602	1408	1409	1422
Cd 226.502	0.5110	0.3347	0.5969
Co 228.615	-0.1392u	-0.3128u	-0.1404u
Cr 267.716	0.1614	-0.3190u	-0.2576u
Cu 324.754	9.0524	8.5356	9.0407
Fe 271.441	24.7245	22.4074	22.5942
K 766.491	973.184	968.582	972.594
Mg 279.078	1819.57	1816.17	1842.78
Mn 257.610	4.6286	4.6384	4.6915
Mo 202.032	-1.3080u	-1.4236u	-1.0462u
Na 330.237	13258.7	13111.6	13211.7
Ni 231.604	-0.2576u	0.4698	1.0287
Pb 220.353	-2.4819u	-2.6228u	1.0975
Sb 206.834	3.0471	-8.8408u	-0.5703u
Se 196.026	-1.6150u	-8.2269u	-8.5959u
Sn 189.925	-1.7157u	-5.2192u	-3.3005u
Sr 216.596	18.2136	18.3740	17.2134
Ti 334.941	0.3063	0.2516	0.2471
Tl 190.794	-5.4316u	-3.4965u	-2.2181u
V 292.401	0.8050	1.0047	1.1378
Zn 206.200	35.2964	34.2267	35.1344

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6569	ppb	0.3381	51.5	-78.6724
Al 308.215	110.984	ppb	3.8674	3.5	878.980
As 188.980	-5.7660	ppb	2.0171	35.0	-1.0490
B 249.678	-20.7210	ppb	0.5101	2.5	168.584
Ba 389.178	13.7898	ppb	0.2584	1.9	316.532
Be 313.042	0.0062	ppb	0.0036	58.4	-161.738
Ca 370.602	1413	ppb	7.927	0.6	4556
Cd 226.502	0.4808	ppb	0.1337	27.8	30.1157
Co 228.615	-0.1975	ppb	0.0999	50.6	11.4713
Cr 267.716	-0.1384	ppb	0.2615	188.9	3.8344
Cu 324.754	8.8763	ppb	0.2951	3.3	536.289
Fe 271.441	23.2420	ppb	1.2872	5.5	41.4056
K 766.491	971.453	ppb	2.5044	0.3	47903.2
Mg 279.078	1826.18	ppb	14.4828	0.8	3741.20
Mn 257.610	4.6528	ppb	0.0338	0.7	1136.73
Mo 202.032	-1.2592	ppb	0.1934	15.4	7.1464
Na 330.237	13194.0	ppb	75.1264	0.6	665.934
Ni 231.604	0.4136	ppb	0.6450	155.9	1.9280
Pb 220.353	-1.3357	ppb	2.1084	157.9	0.3272
Sb 206.834	-2.1213	ppb	6.0939	287.3	-0.7223
Se 196.026	-6.1459	ppb	3.9282	63.9	-2.6484
Sn 189.925	-3.4118	ppb	1.7544	51.4	-1.7612
Sr 216.596	17.9337	ppb	0.6289	3.5	179.571
Ti 334.941	0.2684	ppb	0.0330	12.3	44.9138
Tl 190.794	-3.7154	ppb	1.6179	43.5	-2.7158
V 292.401	0.9825	ppb	0.1675	17.0	21.4999
Zn 206.200	34.8858	ppb	0.5766	1.7	55.7055

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680-88506-a-16-a (Samp) 3/27/2013, 10:38:38 PM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3024u	-0.8816u	-1.6429u
Al 308.215	33.8999	36.1489	37.2652
As 188.980	-8.5933u	2.2072	0.0360
B 249.678	-20.5713u	-21.1324u	-19.9513u
Ba 389.178	26.6312	25.9104	26.5381
Be 313.042	-0.0342u	-0.0422u	-0.0452u
Ca 370.602	28208	28203	28344
Cd 226.502	-0.2729u	-0.3077u	0.1332
Co 228.615	0.3828	-0.1396u	-0.3109u
Cr 267.716	3.4341	3.6393	3.3531
Cu 324.754	1.3240	0.7854	1.3666
Fe 271.441	78.8817	75.7567	78.8412
K 766.491	2276.88	2262.91	2268.53
Mg 279.078	16329.7	16356.6	16376.5
Mn 257.610	3.7443	3.7338	3.7199
Mo 202.032	0.3852	0.7586	0.4316
Na 330.237	4681.27	4692.91	4565.66
Ni 231.604	0.0714	2.0379	-0.1502u
Pb 220.353	0.2878	0.3083	-0.1518u
Sb 206.834	-0.6549u	-0.3930u	-2.5971u
Se 196.026	1.2629	-2.4111u	-0.5557u
Sn 189.925	-5.3697u	-2.9018u	-3.3614u
Sr 216.596	80.5447	80.9765	80.8638
Ti 334.941	0.2855	0.2474	0.3674
Tl 190.794	0.1149	4.7769	6.3666
V 292.401	14.0661	14.8052	13.8597
Zn 206.200	9.2722	8.4249	10.4676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2756	ppb	0.3813	29.9	-124.775
Al 308.215	35.7713	ppb	1.7141	4.8	448.304
As 188.980	-2.1167	ppb	5.7130	269.9	1.1289
B 249.678	-20.5517	ppb	0.5908	2.9	170.084
Ba 389.178	26.3599	ppb	0.3920	1.5	656.641
Be 313.042	-0.0406	ppb	0.0057	14.0	-243.047
Ca 370.602	28251	ppb	80.10	0.3	91183
Cd 226.502	-0.1491	ppb	0.2451	164.4	8.0467
Co 228.615	-0.0226	ppb	0.3613	1601.5	13.4412
Cr 267.716	3.4755	ppb	0.1475	4.2	154.678
Cu 324.754	1.1586	ppb	0.3239	28.0	163.596
Fe 271.441	77.8265	ppb	1.7927	2.3	132.977
K 766.491	2269.44	ppb	7.0308	0.3	111607
Mg 279.078	16354.2	ppb	23.4972	0.1	33331.6
Mn 257.610	3.7327	ppb	0.0123	0.3	1008.26
Mo 202.032	0.5251	ppb	0.2035	38.7	18.6416
Na 330.237	4646.61	ppb	70.3475	1.5	232.057
Ni 231.604	0.6530	ppb	1.2045	184.4	2.4950
Pb 220.353	0.1481	ppb	0.2599	175.5	2.7137
Sb 206.834	-1.2150	ppb	1.2041	99.1	0.1587
Se 196.026	-0.5680	ppb	1.8370	323.4	-0.0918
Sn 189.925	-3.8777	ppb	1.3124	33.8	-2.1061
Sr 216.596	80.7950	ppb	0.2239	0.3	773.974
Ti 334.941	0.3001	ppb	0.0613	20.4	113.345
Tl 190.794	3.7528	ppb	3.2492	86.6	2.2163
V 292.401	14.2437	ppb	0.4971	3.5	386.017
Zn 206.200	9.3882	ppb	1.0263	10.8	172.191

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/27/2013, 10:44:04 PM Rack 2, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	500.702	498.805	500.156
Al 308.215	5003.01	4992.37	4973.38
As 188.980	472.702	464.212	468.620
B 249.678	2501.25	2510.78	2530.68
Ba 389.178	4944.28	4925.93	4915.83
Be 313.042	490.016	490.563	487.745
Ca 370.602	4938	4942	4925
Cd 226.502	493.697	490.095	490.576
Co 228.615	496.942	494.218	493.409
Cr 267.716	4890.06	4905.83	4892.45
Cu 324.754	4812.98	4781.80	4983.31
Fe 271.441	4980.99	4950.74	4935.47
K 766.491	10101.3	10021.4	10001.0
Mg 279.078	4925.00	4915.68	4902.71
Mn 257.610	4981.89	4959.13	4952.03
Mo 202.032	487.249	486.703	488.545
Na 330.237	7413.94	7563.08	7365.77
Ni 231.604	2463.70	2469.85	2469.06
Pb 220.353	489.549	490.091	486.376
Sb 206.834	902.601	908.361	913.203
Se 196.026	4880.93	4847.64	4867.32
Sn 189.925	5004.97	4967.46	4967.41
Sr 216.596	2441.16	2452.46	2448.40
Ti 334.941	493.470	494.725	493.715
Tl 190.794	4952.33	4971.06	4903.58
V 292.401	4944.02	4924.13	4908.83
Zn 206.200	2457.46	2456.73	2456.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.887	ppb	0.9769	0.2	34853.6	99.97749
Al 308.215	4989.58	ppb	15.0113	0.3	28788.0	99.79167
As 188.980	468.511	ppb	4.2463	0.9	256.311	93.70224
B 249.678	2514.24	ppb	15.0178	0.6	23382.0	100.56943
Ba 389.178	4928.68	ppb	14.4250	0.3	117947	98.57360
Be 313.042	489.442	ppb	1.4943	0.3	947082	97.88833
Ca 370.602	4935	ppb	8.538	0.2	15792	98.69681
Cd 226.502	491.456	ppb	1.9552	0.4	17519.5	98.29121
Co 228.615	494.856	ppb	1.8513	0.4	5682.04	98.97122
Cr 267.716	4896.11	ppb	8.4971	0.2	204664	97.92226
Cu 324.754	4859.36	ppb	108.467	2.2	234692	97.18729
Fe 271.441	4955.73	ppb	23.1676	0.5	8428.66	99.11465
K 766.491	10041.2	ppb	52.9917	0.5	493037	100.41219
Mg 279.078	4914.46	ppb	11.1948	0.2	9954.07	98.28927
Mn 257.610	4964.35	ppb	15.5990	0.3	1125810	99.28700
Mo 202.032	487.499	ppb	0.9461	0.2	3154.13	97.49979
Na 330.237	7447.60	ppb	102.872	1.4	351.121	99.30128
Ni 231.604	2467.54	ppb	3.3456	0.1	5833.70	98.70145
Pb 220.353	488.672	ppb	2.0070	0.4	788.567	97.73441
Sb 206.834	908.055	ppb	5.3077	0.6	912.979	90.80547
Se 196.026	4865.30	ppb	16.7334	0.3	2231.24	97.30593
Sn 189.925	4979.95	ppb	21.6691	0.4	3766.65	99.59895
Sr 216.596	2447.34	ppb	5.7220	0.2	23012.0	97.89366
Ti 334.941	493.970	ppb	0.6653	0.1	125968	98.79400
Tl 190.794	4942.32	ppb	34.8368	0.7	3258.74	98.84647
V 292.401	4925.66	ppb	17.6437	0.4	135089	98.51323
Zn 206.200	2457.04	ppb	0.3767	0.0	3716.34	98.28146

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Cont Calib Blank (CCB) 3/27/2013, 10:49:29 PM Rack 2, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9434u	-0.4412u	-0.4691u
Al 308.215	-2.2911u	0.7618	-2.0714u
As 188.980	-1.4720u	0.1902	-1.5033u
B 249.678	30.9273	25.5701	19.3664
Ba 389.178	-0.6581u	-0.0982u	0.5843
Be 313.042	-0.0387u	-0.0313u	-0.0275u
Ca 370.602	0.3762	4.066	-1.745u
Cd 226.502	-0.1402u	-0.1102u	-0.0647u
Co 228.615	-0.3067u	0.1360	0.5459
Cr 267.716	-0.4646u	-0.2974u	-0.3314u
Cu 324.754	-0.1703u	0.3955	-0.4786u
Fe 271.441	6.9116	1.1727	1.3120
K 766.491	-0.3312u	0.2560	-0.4118u
Mg 279.078	0.4153	-3.3375u	2.1622
Mn 257.610	-0.1006u	-0.1601u	-0.1314u
Mo 202.032	-0.7573u	-0.2801u	-0.5542u
Na 330.237	107.517	-136.048u	181.231
Ni 231.604	1.1626	1.2467	-0.8367u
Pb 220.353	1.2571	-2.3547u	0.0749
Sb 206.834	0.5427	0.4344	2.3111
Se 196.026	1.9667	-4.1088u	0.6447
Sn 189.925	-2.4665u	-1.2877u	-5.6425u
Sr 216.596	-0.6625u	0.2944	-0.3227u
Ti 334.941	-0.1488u	0.0514	-0.1319u
Tl 190.794	5.3365	-1.2339u	5.7935
V 292.401	0.0331	-0.0219u	0.0748
Zn 206.200	-0.1084u	0.4295	0.5940

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6179	ppb	0.2822	45.7	-75.1809	-0.61791
Al 308.215	-1.2002	ppb	1.7027	141.9	236.803	-1.20022
As 188.980	-0.9284	ppb	0.9689	104.4	1.5671	-0.92838
B 249.678	25.2879	ppb	5.7856	22.9	590.010	25.28792
Ba 389.178	-0.0573	ppb	0.6222	1085.4	-19.7615	-0.05733
Be 313.042	-0.0325	ppb	0.0057	17.5	-235.513	-0.03250
Ca 370.602	0.8991	ppb	2.941	327.1	-0.3420	0.89915
Cd 226.502	-0.1050	ppb	0.0380	36.2	9.2460	-0.10504
Co 228.615	0.1251	ppb	0.4264	341.0	15.1212	0.12506
Cr 267.716	-0.3645	ppb	0.0884	24.2	-5.8380	-0.36448
Cu 324.754	-0.0845	ppb	0.4433	524.9	103.674	-0.08446
Fe 271.441	3.1321	ppb	3.2739	104.5	7.7336	3.13212
K 766.491	-0.1623	ppb	0.3645	224.6	217.308	-0.16232
Mg 279.078	-0.2533	ppb	2.8102	1109.3	21.2892	-0.25334
Mn 257.610	-0.1307	ppb	0.0298	22.8	42.0099	-0.13071
Mo 202.032	-0.5305	ppb	0.2395	45.1	11.8537	-0.53055
Na 330.237	50.8998	ppb	166.044	326.2	-1.2196	50.89984
Ni 231.604	0.5242	ppb	1.1793	225.0	2.1889	0.52421
Pb 220.353	-0.3409	ppb	1.8415	540.1	1.9276	-0.34093
Sb 206.834	1.0960	ppb	1.0537	96.1	2.3364	1.09605
Se 196.026	-0.4991	ppb	3.1952	640.1	-0.0615	-0.49913
Sn 189.925	-3.1322	ppb	2.2524	71.9	-1.5547	-3.13222
Sr 216.596	-0.2303	ppb	0.4851	210.7	8.3164	-0.23027
Ti 334.941	-0.0764	ppb	0.1110	145.2	-49.5716	-0.07643
Tl 190.794	3.2987	ppb	3.9320	119.2	1.9192	3.29870
V 292.401	0.0287	ppb	0.0485	169.0	-4.8066	0.02869
Zn 206.200	0.3050	ppb	0.3671	120.5	3.2245	0.30500

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88506-a-17-a (Samp) 3/27/2013, 10:54:53 PM Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0117u	-0.4196u	0.0893
Al 308.215	36.5523	35.6930	35.9364
As 188.980	-5.1841u	-2.8489u	-4.7110u
B 249.678	-4.1935u	-6.5909u	-5.7216u
Ba 389.178	6.1584	5.8023	5.2250
Be 313.042	0.0002	0.0072	-0.0056u
Ca 370.602	3087	3094	3087
Cd 226.502	0.2900	0.4834	0.5616
Co 228.615	0.3392	0.4051	0.0134
Cr 267.716	0.2362	0.4928	0.1716
Cu 324.754	3.7555	3.2603	2.8163
Fe 271.441	18.3458	23.6189	15.4924
K 766.491	849.104	848.405	848.906
Mg 279.078	547.263	543.323	544.235
Mn 257.610	12.1710	12.2231	12.2360
Mo 202.032	-0.7845u	-0.5209u	-0.8326u
Na 330.237	2952.18	2826.52	2846.49
Ni 231.604	1.3795	0.7205	1.2127
Pb 220.353	0.8078	-0.1992u	2.1067
Sb 206.834	11.3911	9.8489	8.2586
Se 196.026	-5.0470u	-7.9935u	-10.5063u
Sn 189.925	1.4095	-2.0468u	-5.9351u
Sr 216.596	60.7126	61.0579	60.3888
Ti 334.941	2.3029	2.4656	2.5022
Tl 190.794	2.2868	7.2921	9.6919
V 292.401	1.1794	1.4823	1.2633
Zn 206.200	35.0316	35.1415	35.5247

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1140	ppb	0.2695	236.4	-42.4750
Al 308.215	36.0606	ppb	0.4429	1.2	450.053
As 188.980	-4.2480	ppb	1.2345	29.1	-0.2125
B 249.678	-5.5020	ppb	1.2137	22.1	307.982
Ba 389.178	5.7286	ppb	0.4710	8.2	120.184
Be 313.042	0.0006	ppb	0.0064	1096.5	-170.755
Ca 370.602	3089	ppb	4.227	0.1	9968
Cd 226.502	0.4450	ppb	0.1398	31.4	28.8682
Co 228.615	0.2526	ppb	0.2097	83.0	16.6621
Cr 267.716	0.3002	ppb	0.1699	56.6	22.0349
Cu 324.754	3.2774	ppb	0.4699	14.3	265.970
Fe 271.441	19.1524	ppb	4.1229	21.5	34.6852
K 766.491	848.805	ppb	0.3603	0.0	41883.7
Mg 279.078	544.940	ppb	2.0626	0.4	1131.52
Mn 257.610	12.2100	ppb	0.0344	0.3	2843.42
Mo 202.032	-0.7127	ppb	0.1678	23.5	10.6748
Na 330.237	2875.06	ppb	67.5249	2.3	141.911
Ni 231.604	1.1042	ppb	0.3426	31.0	3.5604
Pb 220.353	0.9051	ppb	1.1560	127.7	3.9333
Sb 206.834	9.8329	ppb	1.5663	15.9	10.6928
Se 196.026	-7.8489	ppb	2.7325	34.8	-3.4272
Sn 189.925	-2.1908	ppb	3.6744	167.7	-0.8406
Sr 216.596	60.7198	ppb	0.3346	0.6	582.678
Ti 334.941	2.4236	ppb	0.1061	4.4	590.047
Tl 190.794	6.4236	ppb	3.7782	58.8	3.9699
V 292.401	1.3083	ppb	0.1564	12.0	30.4751
Zn 206.200	35.2326	ppb	0.2588	0.7	56.2441

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88519-c-1-d (Samp) 3/27/2013, 11:00:18 PM Rack 2, Tube 16
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3376u	-0.6924u	-1.0444u
Al 308.215	585.154	586.821	588.154
As 188.980	-0.0181	0.3124	2.0246
B 249.678	488.872	493.424	495.170
Ba 389.178	62.5119	63.4287	62.6911
Be 313.042	-0.0120	-0.0254u	-0.0132
Ca 370.602	112753	113147	113132
Cd 226.502	0.0532	-0.0374	-0.2367u
Co 228.615	1.5161	1.7844	1.0801
Cr 267.716	1.5060	1.5345	1.3764
Cu 324.754	1.3147	0.3633	0.9897
Fe 271.441	1301.30	1284.62	1286.38
K 766.491	10980.7	10977.1	10961.7
Mg 279.078	11452.5	11465.2	11453.2
Mn 257.610	755.659	756.367	756.069
Mo 202.032	-1.4075u	-0.2079u	0.1736
Na 330.237	12593.7	12151.0	12153.1
Ni 231.604	6.9059	8.0495	6.3165
Pb 220.353	4.9723	6.6637	1.8330
Sb 206.834	1.8365	-1.2752u	-3.4670u
Se 196.026	2.7971	1.1392	0.6889
Sn 189.925	-0.8450u	-5.6027u	-7.7666u
Sr 216.596	422.954	424.002	424.315
Ti 334.941	8.5916	8.4194	8.7622
Tl 190.794	3.7379	3.4132	4.5676
V 292.401	1.2746	0.7955	0.8693
Zn 206.200	12.9832	13.9811	16.4364

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6915	ppb	0.3534	51.1	-95.2778
Al 308.215	586.710	ppb	1.5031	0.3	3602.83
As 188.980	0.7730	ppb	1.0965	141.9	3.3122
B 249.678	492.488	ppb	3.2513	0.7	4867.99
Ba 389.178	62.8772	ppb	0.4859	0.8	1518.91
Be 313.042	-0.0169	ppb	0.0074	43.9	-167.933
Ca 370.602	113011	ppb	223.4	0.2	364701
Cd 226.502	-0.0736	ppb	0.1483	201.4	13.4447
Co 228.615	1.4602	ppb	0.3555	24.3	30.5908
Cr 267.716	1.4723	ppb	0.0842	5.7	74.2646
Cu 324.754	0.8893	ppb	0.4836	54.4	151.046
Fe 271.441	1290.77	ppb	9.1604	0.7	2166.01
K 766.491	10973.2	ppb	10.0874	0.1	538777
Mg 279.078	11457.0	ppb	7.1600	0.1	23345.4
Mn 257.610	756.032	ppb	0.3556	0.0	171574
Mo 202.032	-0.4806	ppb	0.8250	171.7	12.1166
Na 330.237	12299.3	ppb	254.968	2.1	620.205
Ni 231.604	7.0906	ppb	0.8811	12.4	17.7347
Pb 220.353	4.4897	ppb	2.4513	54.6	9.8421
Sb 206.834	-0.9685	ppb	2.6650	275.2	0.4110
Se 196.026	1.5417	ppb	1.1103	72.0	1.0507
Sn 189.925	-4.7381	ppb	3.5409	74.7	-2.7222
Sr 216.596	423.757	ppb	0.7129	0.2	4012.18
Ti 334.941	8.5911	ppb	0.1714	2.0	2207.24
Tl 190.794	3.9062	ppb	0.5953	15.2	1.5453
V 292.401	0.9798	ppb	0.2579	26.3	21.4330
Zn 206.200	14.4669	ppb	1.7771	12.3	25.6021

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88519-c-2-b (Samp) 3/27/2013, 11:05:54 PM Rack 2, Tube 17
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8169u	-1.1490u	-0.1211u
Al 308.215	359.025	358.003	355.087
As 188.980	-5.1400u	-0.8826u	-3.4113u
B 249.678	204.163	204.616	205.597
Ba 389.178	58.7032	58.4529	59.2086
Be 313.042	-0.0262u	-0.0235u	-0.0246u
Ca 370.602	41573	41497	41619
Cd 226.502	-0.0613u	0.2148	-0.0322u
Co 228.615	1.6346	1.0887	1.5466
Cr 267.716	2.9268	2.6087	2.7785
Cu 324.754	1.4018	2.3037	0.7224
Fe 271.441	439.638	433.066	439.461
K 766.491	10297.1	10500.0	10237.3
Mg 279.078	8131.21	8127.17	8121.29
Mn 257.610	388.055	387.606	388.279
Mo 202.032	-1.1890u	-1.1987u	-0.8850u
Na 330.237	11099.4	11042.2	11292.5
Ni 231.604	9.1872	6.9255	7.0812
Pb 220.353	3.0594	0.6920	-1.3237u
Sb 206.834	-0.9172u	-5.5568u	-1.7884u
Se 196.026	2.5648	-8.8095u	-14.0841u
Sn 189.925	-3.4612u	-2.3108u	-2.3217u
Sr 216.596	248.977	249.239	249.548
Ti 334.941	7.6047	5.5062	5.3212
Tl 190.794	-2.6051u	4.9523	4.5016
V 292.401	2.3869	2.0334	2.0993
Zn 206.200	7.9073	8.6418	8.9978

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6957	ppb	0.5246	75.4	-89.6140
Al 308.215	357.372	ppb	2.0436	0.6	2289.66
As 188.980	-3.1447	ppb	2.1412	68.1	0.6667
B 249.678	204.792	ppb	0.7333	0.4	2233.72
Ba 389.178	58.7882	ppb	0.3849	0.7	1410.85
Be 313.042	-0.0247	ppb	0.0014	5.5	-208.031
Ca 370.602	41563	ppb	61.77	0.1	134133
Cd 226.502	0.0404	ppb	0.1517	375.4	15.4917
Co 228.615	1.4233	ppb	0.2931	20.6	30.1592
Cr 267.716	2.7713	ppb	0.1592	5.7	126.975
Cu 324.754	1.4759	ppb	0.7933	53.7	179.099
Fe 271.441	437.388	ppb	3.7443	0.9	735.760
K 766.491	10344.8	ppb	137.683	1.3	507937
Mg 279.078	8126.56	ppb	4.9838	0.1	16567.7
Mn 257.610	387.980	ppb	0.3429	0.1	88094.8
Mo 202.032	-1.0909	ppb	0.1784	16.4	8.2124
Na 330.237	11144.7	ppb	131.181	1.2	561.893
Ni 231.604	7.7313	ppb	1.2632	16.3	19.2331
Pb 220.353	0.8092	ppb	2.1939	271.1	3.8502
Sb 206.834	-2.7541	ppb	2.4659	89.5	-1.2922
Se 196.026	-6.7763	ppb	8.5087	125.6	-2.8483
Sn 189.925	-2.6979	ppb	0.6610	24.5	-1.2068
Sr 216.596	249.255	ppb	0.2859	0.1	2361.94
Ti 334.941	6.1441	ppb	1.2684	20.6	1569.49
Tl 190.794	2.2829	ppb	4.2392	185.7	0.8594
V 292.401	2.1732	ppb	0.1880	8.7	54.2512
Zn 206.200	8.5156	ppb	0.5561	6.5	16.0031

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88547-b-1-a (Samp) 3/27/2013, 11:11:19 PM Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5637u	-0.8494u	-0.1386u
Al 308.215	104.276	104.939	104.017
As 188.980	-5.0132u	-9.3354u	-5.4651u
B 249.678	-16.0519u	-16.8061u	-16.9407u
Ba 389.178	37.8320	35.7016	37.4206
Be 313.042	0.0366	0.0288	0.0394
Ca 370.602	16938	16863	16890
Cd 226.502	0.2296	-0.1373u	0.0594
Co 228.615	-0.2625u	-0.0734u	0.1744
Cr 267.716	1.9276	1.5811	1.5957
Cu 324.754	-0.0900u	-0.1082u	0.3072
Fe 271.441	133.291	131.016	126.731
K 766.491	2152.88	2144.54	2153.81
Mg 279.078	11451.6	11401.0	11439.0
Mn 257.610	57.9850	57.8027	57.8366
Mo 202.032	-1.4762u	-0.9713u	-1.1873u
Na 330.237	10772.9	11070.6	11033.5
Ni 231.604	19.8112	18.4710	21.5675
Pb 220.353	-1.3742u	0.9640	-2.7257u
Sb 206.834	1.9204	-4.0441u	-9.4827u
Se 196.026	10.9312	-6.6987u	-0.4235u
Sn 189.925	-5.6501u	-3.4450u	-1.6569u
Sr 216.596	128.984	129.303	129.065
Ti 334.941	1.0260	0.8312	0.8565
Tl 190.794	0.2472	-0.1247u	-0.2133u
V 292.401	0.2439	0.0286	0.4570
Zn 206.200	14.3969	13.3826	15.2363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8506	ppb	0.7126	83.8	-96.8049
Al 308.215	104.411	ppb	0.4753	0.5	841.400
As 188.980	-6.6046	ppb	2.3758	36.0	-1.3913
B 249.678	-16.5995	ppb	0.4790	2.9	206.240
Ba 389.178	36.9847	ppb	1.1301	3.1	897.589
Be 313.042	0.0349	ppb	0.0054	15.6	-100.835
Ca 370.602	16897	ppb	37.70	0.2	54530
Cd 226.502	0.0506	ppb	0.1836	362.9	15.1706
Co 228.615	-0.0538	ppb	0.2191	407.0	13.1267
Cr 267.716	1.7015	ppb	0.1960	11.5	80.9464
Cu 324.754	0.0363	ppb	0.2347	646.0	109.528
Fe 271.441	130.346	ppb	3.3305	2.6	220.923
K 766.491	2150.41	ppb	5.1077	0.2	105765
Mg 279.078	11430.5	ppb	26.3146	0.2	23302.2
Mn 257.610	57.8748	ppb	0.0969	0.2	13258.3
Mo 202.032	-1.2116	ppb	0.2533	20.9	7.4506
Na 330.237	10959.0	ppb	162.224	1.5	552.552
Ni 231.604	19.9499	ppb	1.5529	7.8	48.1089
Pb 220.353	-1.0453	ppb	1.8667	178.6	0.8049
Sb 206.834	-3.8688	ppb	5.7036	147.4	-2.3762
Se 196.026	1.2697	ppb	8.9361	703.8	0.7630
Sn 189.925	-3.5840	ppb	2.0002	55.8	-1.8863
Sr 216.596	129.117	ppb	0.1654	0.1	1227.89
Ti 334.941	0.9046	ppb	0.1059	11.7	246.790
Tl 190.794	-0.0303	ppb	0.2443	806.7	-0.3389
V 292.401	0.2432	ppb	0.2142	88.1	1.1415
Zn 206.200	14.3386	ppb	0.9282	6.5	24.6457

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88547-b-2-a (Samp) 3/27/2013, 11:16:44 PM Rack 2, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1182u	-1.2160u	-0.8736u
Al 308.215	209.302	212.108	207.068
As 188.980	-9.9271u	-0.4661u	-1.6362u
B 249.678	-22.5821u	-22.2485u	-22.3535u
Ba 389.178	23.6928	24.3099	23.6623
Be 313.042	0.6498	0.6681	0.6516
Ca 370.602	14512	14482	14431
Cd 226.502	0.4378	0.3571	0.2883
Co 228.615	0.7628	0.1190	0.9488
Cr 267.716	0.4930	0.7593	0.7864
Cu 324.754	0.2091	0.0208	0.0441
Fe 271.441	45.2642	47.6074	50.8032
K 766.491	2478.94	2482.63	2476.58
Mg 279.078	10299.3	10286.8	10244.4
Mn 257.610	327.078	326.744	325.469
Mo 202.032	-0.9954u	-1.0711u	-0.5950u
Na 330.237	7865.29	7587.29	7693.13
Ni 231.604	18.2484	21.8095	22.4903
Pb 220.353	-0.9057u	-0.7788u	-2.0471u
Sb 206.834	0.8154	0.8540	2.4452
Se 196.026	-0.1322	12.1549	7.2466
Sn 189.925	-0.0816u	-2.4486u	-1.7777u
Sr 216.596	115.263	116.309	114.938
Ti 334.941	-0.0253	-0.0173	-0.1094
Tl 190.794	-2.1053u	1.7420	0.6405
V 292.401	-0.5500u	0.0027	-0.1361u
Zn 206.200	25.3275	24.5787	23.9028

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7360	ppb	0.5617	76.3	-87.0557
Al 308.215	209.492	ppb	2.5254	1.2	1443.06
As 188.980	-4.0098	ppb	5.1578	128.6	0.0003
B 249.678	-22.3947	ppb	0.1706	0.8	153.235
Ba 389.178	23.8884	ppb	0.3654	1.5	580.986
Be 313.042	0.6565	ppb	0.0101	1.5	1101.99
Ca 370.602	14475	ppb	40.90	0.3	46725
Cd 226.502	0.3610	ppb	0.0748	20.7	26.0387
Co 228.615	0.6102	ppb	0.4354	71.4	20.6937
Cr 267.716	0.6795	ppb	0.1621	23.9	39.1678
Cu 324.754	0.0913	ppb	0.1027	112.4	112.166
Fe 271.441	47.8916	ppb	2.7804	5.8	82.8112
K 766.491	2479.38	ppb	3.0516	0.1	121911
Mg 279.078	10276.8	ppb	28.7733	0.3	20948.2
Mn 257.610	326.430	ppb	0.8488	0.3	74148.4
Mo 202.032	-0.8872	ppb	0.2558	28.8	9.5493
Na 330.237	7715.24	ppb	140.311	1.8	387.786
Ni 231.604	20.8494	ppb	2.2781	10.9	50.2337
Pb 220.353	-1.2438	ppb	0.6985	56.2	0.5400
Sb 206.834	1.3716	ppb	0.9300	67.8	2.6229
Se 196.026	6.4231	ppb	6.1848	96.3	3.1862
Sn 189.925	-1.4360	ppb	1.2199	85.0	-0.2639
Sr 216.596	115.503	ppb	0.7167	0.6	1099.40
Ti 334.941	-0.0507	ppb	0.0510	100.6	-1.3538
Tl 190.794	0.0924	ppb	1.9814	2144.4	-0.5149
V 292.401	-0.2278	ppb	0.2875	126.2	-11.7779
Zn 206.200	24.6030	ppb	0.7127	2.9	40.2037

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680-88547-b-2-aSD^5 (Samp) 3/27/2013, 11:22:09 PM Rack 2, Tube 20**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4701	-0.2777u	-0.3014u
Al 308.215	46.3770	43.2067	45.0325
As 188.980	-6.8758u	-0.8389u	-4.2989u
B 249.678	-29.0688u	-30.5038u	-30.3651u
Ba 389.178	5.5230	4.8309	5.4008
Be 313.042	0.1110	0.1084	0.1038
Ca 370.602	3124	3090	3045
Cd 226.502	0.1578	-0.1747u	0.0389
Co 228.615	0.0533	-0.3201u	0.3675
Cr 267.716	-0.0002	-0.2442u	0.0009
Cu 324.754	-0.1996u	0.1279	-0.3514u
Fe 271.441	5.4867	4.1498	3.7709
K 766.491	539.974	536.932	531.303
Mg 279.078	2239.58	2219.93	2187.27
Mn 257.610	70.2458	69.5490	68.4363
Mo 202.032	-1.9487u	-1.2260u	-0.6012u
Na 330.237	1757.39	1677.45	1637.49
Ni 231.604	4.0551	4.7695	4.5367
Pb 220.353	1.0234	-1.4316u	0.3427
Sb 206.834	-1.9076u	-2.9054u	-4.2242u
Se 196.026	-8.1980u	-7.4092u	-4.5230u
Sn 189.925	-0.7888u	-3.5446u	-2.3043u
Sr 216.596	24.3694	24.5072	24.2905
Ti 334.941	-0.2811u	-0.2629u	-0.2925u
Tl 190.794	-5.9263u	3.9743	2.1311
V 292.401	-0.3383u	-0.1714u	0.2176
Zn 206.200	4.4101	6.2074	4.2762

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0363	ppb	0.4387	1208.2	-35.3248
Al 308.215	44.8721	ppb	1.5912	3.5	500.485
As 188.980	-4.0045	ppb	3.0292	75.6	-0.0803
B 249.678	-29.9792	ppb	0.7915	2.6	83.8010
Ba 389.178	5.2515	ppb	0.3694	7.0	113.263
Be 313.042	0.1077	ppb	0.0036	3.3	36.8954
Ca 370.602	3087	ppb	39.30	1.3	9961
Cd 226.502	0.0074	ppb	0.1685	2289.9	13.2920
Co 228.615	0.0336	ppb	0.3443	1025.2	14.1007
Cr 267.716	-0.0812	ppb	0.1412	173.9	6.2967
Cu 324.754	-0.1410	ppb	0.2450	173.7	100.927
Fe 271.441	4.4692	ppb	0.9014	20.2	9.9824
K 766.491	536.070	ppb	4.3997	0.8	26535.0
Mg 279.078	2215.59	ppb	26.4250	1.2	4533.37
Mn 257.610	69.4104	ppb	0.9127	1.3	15823.1
Mo 202.032	-1.2586	ppb	0.6744	53.6	7.1528
Na 330.237	1690.78	ppb	61.0495	3.6	82.0213
Ni 231.604	4.4538	ppb	0.3643	8.2	11.4777
Pb 220.353	-0.0218	ppb	1.2675	5813.1	2.4558
Sb 206.834	-3.0124	ppb	1.1620	38.6	-1.5734
Se 196.026	-6.7101	ppb	1.9347	28.8	-2.8921
Sn 189.925	-2.2126	ppb	1.3802	62.4	-0.8575
Sr 216.596	24.3890	ppb	0.1097	0.4	240.457
Ti 334.941	-0.2789	ppb	0.0149	5.4	-92.2038
Tl 190.794	0.0597	ppb	5.2653	8823.1	-0.2863
V 292.401	-0.0973	ppb	0.2852	293.1	-8.1233
Zn 206.200	4.9646	ppb	1.0784	21.7	10.3181

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680-88547-b-2-aPDS (Samp) **3/27/2013, 11:27:35 PM** **Rack 2, Tube 21****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.3649	49.0608	49.1547
Al 308.215	2152.80	2150.05	2156.09
As 188.980	2124.40	2133.15	2136.58
B 249.678	1013.28	1018.33	1029.84
Ba 389.178	2068.26	2069.30	2076.38
Be 313.042	51.2744	51.2912	51.4308
Ca 370.602	19210	19217	19288
Cd 226.502	50.6684	50.5387	50.8746
Co 228.615	512.408	508.639	512.965
Cr 267.716	202.608	201.782	202.247
Cu 324.754	252.674	249.272	252.569
Fe 271.441	1051.43	1060.28	1054.78
K 766.491	7685.67	7696.12	7745.58
Mg 279.078	15150.0	15150.2	15187.6
Mn 257.610	846.554	846.760	849.925
Mo 202.032	511.590	509.263	511.977
Na 330.237	12597.2	12651.0	12640.0
Ni 231.604	520.074	515.248	525.042
Pb 220.353	496.750	497.801	496.724
Sb 206.834	495.563	498.457	501.525
Se 196.026	2009.06	1976.13	1995.48
Sn 189.925	1031.43	1034.34	1031.98
Sr 216.596	629.686	630.986	631.001
Ti 334.941	1011.85	1012.39	1016.74
Tl 190.794	2068.19	2088.76	2102.13
V 292.401	507.120	507.175	509.372
Zn 206.200	512.858	515.722	515.254

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1935	ppb	0.1557	0.3	3386.15
Al 308.215	2152.98	ppb	3.0278	0.1	12628.8
As 188.980	2131.38	ppb	6.2781	0.3	1159.24
B 249.678	1020.49	ppb	8.4873	0.8	9704.14
Ba 389.178	2071.31	ppb	4.4181	0.2	49589.5
Be 313.042	51.3321	ppb	0.0859	0.2	99104.7
Ca 370.602	19238	ppb	43.23	0.2	62224
Cd 226.502	50.6939	ppb	0.1694	0.3	1820.29
Co 228.615	511.337	ppb	2.3536	0.5	5870.89
Cr 267.716	202.212	ppb	0.4141	0.2	8463.45
Cu 324.754	251.505	ppb	1.9345	0.8	12259.8
Fe 271.441	1055.50	ppb	4.4647	0.4	1853.64
K 766.491	7709.12	ppb	32.0000	0.4	378581
Mg 279.078	15162.6	ppb	21.6310	0.1	30891.0
Mn 257.610	847.746	ppb	1.8896	0.2	192390
Mo 202.032	510.943	ppb	1.4679	0.3	3313.09
Na 330.237	12629.4	ppb	28.4591	0.2	625.655
Ni 231.604	520.121	ppb	4.8971	0.9	1230.41
Pb 220.353	497.092	ppb	0.6143	0.1	800.994
Sb 206.834	498.515	ppb	2.9812	0.6	473.313
Se 196.026	1993.56	ppb	16.5499	0.8	914.076
Sn 189.925	1032.58	ppb	1.5431	0.1	781.665
Sr 216.596	630.558	ppb	0.7548	0.1	5927.87
Ti 334.941	1013.66	ppb	2.6852	0.3	258547
Tl 190.794	2086.36	ppb	17.0996	0.8	1376.24
V 292.401	507.889	ppb	1.2848	0.3	13867.9
Zn 206.200	514.611	ppb	1.5367	0.3	783.147

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680-88547-b-2-b ms (Samp) 3/27/2013, 11:33:01 PM Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	18.3971	16.6182	17.2018
Al 308.215	5166.25	5172.11	5182.43
As 188.980	99.3093	95.7819	104.770
B 249.678	203.850	201.849	203.079
Ba 389.178	128.398	128.652	128.675
Be 313.042	51.9378	52.0368	52.0638
Ca 370.602	20450	20664	20650
Cd 226.502	51.3377	50.8755	51.1068
Co 228.615	50.6556	51.6389	51.2290
Cr 267.716	101.569	101.743	102.015
Cu 324.754	99.6378	99.9096	100.396
Fe 271.441	5054.43	5048.56	5070.91
K 766.491	7897.90	7922.00	7939.27
Mg 279.078	16148.9	16175.9	16189.0
Mn 257.610	866.060	867.114	867.557
Mo 202.032	99.5097	99.1185	98.9356
Na 330.237	13335.1	13238.0	13498.9
Ni 231.604	118.307	121.080	120.475
Pb 220.353	54.4096	46.9551	48.1156
Sb 206.834	46.9500	50.4378	43.8747
Se 196.026	109.882	95.0412	99.3686
Sn 189.925	198.178	203.273	202.554
Sr 216.596	223.625	227.690	225.409
Ti 334.941	100.399	100.681	100.766
Tl 190.794	38.1299	39.7995	47.3266
V 292.401	101.655	101.977	102.512
Zn 206.200	124.315	121.647	125.390

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.4057	ppb	0.9068	5.2	1179.11
Al 308.215	5173.60	ppb	8.1914	0.2	29876.3
As 188.980	99.9538	ppb	4.5287	4.5	56.4206
B 249.678	202.926	ppb	1.0095	0.5	2212.40
Ba 389.178	128.575	ppb	0.1538	0.1	3109.96
Be 313.042	52.0128	ppb	0.0663	0.1	100505
Ca 370.602	20588	ppb	119.4	0.6	66079
Cd 226.502	51.1067	ppb	0.2311	0.5	1844.17
Co 228.615	51.1745	ppb	0.4939	1.0	598.287
Cr 267.716	101.776	ppb	0.2250	0.2	4267.53
Cu 324.754	99.9812	ppb	0.3842	0.4	4938.12
Fe 271.441	5057.97	ppb	11.5896	0.2	8488.42
K 766.491	7919.72	ppb	20.7796	0.3	388917
Mg 279.078	16171.3	ppb	20.4749	0.1	32944.9
Mn 257.610	866.910	ppb	0.7691	0.1	196752
Mo 202.032	99.1879	ppb	0.2933	0.3	655.251
Na 330.237	13357.3	ppb	131.859	1.0	671.314
Ni 231.604	119.954	ppb	1.4578	1.2	284.588
Pb 220.353	49.8268	ppb	4.0110	8.0	82.5311
Sb 206.834	47.0875	ppb	3.2837	7.0	46.4702
Se 196.026	101.431	ppb	7.6324	7.5	46.8687
Sn 189.925	201.335	ppb	2.7579	1.4	153.076
Sr 216.596	225.575	ppb	2.0377	0.9	2133.84
Ti 334.941	100.615	ppb	0.1924	0.2	25696.3
Tl 190.794	41.7520	ppb	4.8994	11.7	26.3131
V 292.401	102.048	ppb	0.4333	0.4	2777.15
Zn 206.200	123.784	ppb	1.9270	1.6	199.440

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680-88547-b-2-c msd (Samp) 3/27/2013, 11:38:27 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	17.1775	15.9691	16.7343
Al 308.215	5098.39	5065.63	5057.02
As 188.980	90.2933	99.1822	100.884
B 249.678	187.719	186.970	186.136
Ba 389.178	126.481	125.191	124.542
Be 313.042	51.2412	50.9228	50.8898
Ca 370.602	20032	19873	19813
Cd 226.502	50.6842	50.4012	49.9419
Co 228.615	49.6877	49.1746	49.4756
Cr 267.716	100.533	100.079	99.7973
Cu 324.754	98.9225	100.521	99.1089
Fe 271.441	5016.56	4973.00	4967.59
K 766.491	7675.57	7635.45	7636.97
Mg 279.078	15672.0	15516.4	15512.7
Mn 257.610	847.702	840.935	840.163
Mo 202.032	98.1198	98.2305	97.8287
Na 330.237	13082.8	12808.1	13018.4
Ni 231.604	118.751	116.097	118.562
Pb 220.353	47.5575	49.8360	46.7934
Sb 206.834	42.9413	47.8038	46.8543
Se 196.026	91.9893	106.569	103.266
Sn 189.925	200.274	199.998	193.410
Sr 216.596	219.615	221.534	218.801
Ti 334.941	99.5846	98.9012	98.7332
Tl 190.794	36.4738	41.5998	36.2839
V 292.401	101.147	100.464	100.205
Zn 206.200	122.564	119.865	120.827

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.6270	ppb	0.6113	3.7	1124.81
Al 308.215	5073.68	ppb	21.8318	0.4	29304.0
As 188.980	96.7865	ppb	5.6873	5.9	54.6972
B 249.678	186.942	ppb	0.7915	0.4	2066.06
Ba 389.178	125.405	ppb	0.9868	0.8	3032.35
Be 313.042	51.0179	ppb	0.1940	0.4	98579.1
Ca 370.602	19906	ppb	113.1	0.6	63882
Cd 226.502	50.3425	ppb	0.3747	0.7	1816.80
Co 228.615	49.4460	ppb	0.2578	0.5	578.526
Cr 267.716	100.137	ppb	0.3714	0.4	4198.91
Cu 324.754	99.5176	ppb	0.8742	0.9	4915.69
Fe 271.441	4985.72	ppb	26.8497	0.5	8367.17
K 766.491	7649.33	ppb	22.7388	0.3	375646
Mg 279.078	15567.0	ppb	90.9145	0.6	31714.6
Mn 257.610	842.933	ppb	4.1480	0.5	191311
Mo 202.032	98.0597	ppb	0.2075	0.2	647.973
Na 330.237	12969.8	ppb	143.660	1.1	651.685
Ni 231.604	117.803	ppb	1.4807	1.3	279.503
Pb 220.353	48.0623	ppb	1.5828	3.3	79.6921
Sb 206.834	45.8665	ppb	2.5774	5.6	45.2972
Se 196.026	100.608	ppb	7.6446	7.6	46.4860
Sn 189.925	197.894	ppb	3.8854	2.0	150.473
Sr 216.596	219.983	ppb	1.4032	0.6	2081.21
Ti 334.941	99.0730	ppb	0.4510	0.5	25300.5
Tl 190.794	38.1192	ppb	3.0158	7.9	23.9403
V 292.401	100.605	ppb	0.4866	0.5	2737.81
Zn 206.200	121.085	ppb	1.3679	1.1	186.345

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680-88220-a-1-d^20 (Samp) 3/27/2013, 11:43:53 PM Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5274u	-0.6291u	-0.3301u
Al 308.215	-0.7948u	-0.3203u	-1.6580u
As 188.980	-12.1400u	2.2481	-0.8161u
B 249.678	-18.5189u	-18.3827u	-20.0336u
Ba 389.178	13.2215	13.8509	14.1806
Be 313.042	-0.0365u	-0.0307u	-0.0390u
Ca 370.602	4027	4044	4006
Cd 226.502	-0.1467u	0.0348	0.1178
Co 228.615	-0.3268u	0.9116	0.0191
Cr 267.716	-0.0284u	-0.2570u	0.0079
Cu 324.754	-0.7466u	-0.5011u	0.1289
Fe 271.441	4.3613	-2.6505u	1.7239
K 766.491	1151.11	1153.90	1152.53
Mg 279.078	1721.45	1735.14	1716.94
Mn 257.610	18.9355	19.0168	18.8108
Mo 202.032	-0.6185u	-1.1915u	-0.4344u
Na 330.237	11093.8	11024.0	10832.3
Ni 231.604	0.9046	0.3264	0.5513
Pb 220.353	1.1822	0.0011	3.0180
Sb 206.834	-1.5177u	-3.3039u	3.7020
Se 196.026	-2.9628u	2.7822	-9.2693u
Sn 189.925	-2.6981u	-1.0813u	-0.5900u
Sr 216.596	23.5801	23.8359	23.4791
Ti 334.941	-0.2461u	-0.2307u	-0.1983u
Tl 190.794	1.0155	-1.3745u	-0.8905u
V 292.401	0.3180	-0.0481u	0.3936
Zn 206.200	-0.0571u	-0.6596u	-0.6064u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4955	ppb	0.1520	30.7	-67.5938
Al 308.215	-0.9244	ppb	0.6782	73.4	238.345
As 188.980	-3.5694	ppb	7.5789	212.3	0.1629
B 249.678	-18.9784	ppb	0.9163	4.8	184.566
Ba 389.178	13.7510	ppb	0.4873	3.5	315.306
Be 313.042	-0.0354	ppb	0.0042	12.0	-241.097
Ca 370.602	4026	ppb	18.87	0.5	12992
Cd 226.502	0.0020	ppb	0.1353	6880.6	13.0291
Co 228.615	0.2013	ppb	0.6390	317.4	16.0001
Cr 267.716	-0.0925	ppb	0.1436	155.2	5.7755
Cu 324.754	-0.3729	ppb	0.4516	121.1	89.7393
Fe 271.441	1.1449	ppb	3.5416	309.3	4.4040
K 766.491	1152.51	ppb	1.3981	0.1	56789.4
Mg 279.078	1724.51	ppb	9.4804	0.5	3533.94
Mn 257.610	18.9211	ppb	0.1038	0.5	4371.59
Mo 202.032	-0.7481	ppb	0.3949	52.8	10.4484
Na 330.237	10983.4	ppb	135.381	1.2	553.945
Ni 231.604	0.5941	ppb	0.2915	49.1	2.3542
Pb 220.353	1.4005	ppb	1.5202	108.6	4.7336
Sb 206.834	-0.3732	ppb	3.6405	975.4	0.9385
Se 196.026	-3.1500	ppb	6.0280	191.4	-1.2720
Sn 189.925	-1.4565	ppb	1.1030	75.7	-0.2823
Sr 216.596	23.6317	ppb	0.1839	0.8	233.439
Ti 334.941	-0.2250	ppb	0.0244	10.9	-81.1631
Tl 190.794	-0.4165	ppb	1.2635	303.4	-0.5516
V 292.401	0.2212	ppb	0.2362	106.8	0.4566
Zn 206.200	-0.4410	ppb	0.3335	75.6	89.1238

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Cont Calib Verif (CCV) 3/27/2013, 11:49:19 PM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	500.747	496.842	494.929
Al 308.215	4993.38	4975.46	4982.20
As 188.980	460.309	469.995	474.791
B 249.678	2497.23	2514.75	2539.03
Ba 389.178	4929.48	4924.57	4919.77
Be 313.042	490.017	489.653	490.201
Ca 370.602	4933	4915	4919
Cd 226.502	490.109	491.329	491.231
Co 228.615	495.718	496.788	497.263
Cr 267.716	4912.30	4888.81	4882.66
Cu 324.754	4892.83	4924.09	4799.79
Fe 271.441	4929.68	4952.90	4951.50
K 766.491	10048.9	10043.4	10094.5
Mg 279.078	4912.82	4909.18	4895.12
Mn 257.610	4959.81	4956.13	4959.17
Mo 202.032	487.171	485.908	487.644
Na 330.237	7420.17	7379.81	7362.33
Ni 231.604	2474.56	2470.74	2464.76
Pb 220.353	483.352	484.714	492.245
Sb 206.834	913.128	915.326	914.503
Se 196.026	4849.07	4831.66	4848.88
Sn 189.925	5061.68	5004.91	5025.46
Sr 216.596	2454.77	2440.65	2436.10
Ti 334.941	495.109	492.890	493.319
Tl 190.794	4935.52	4931.97	4949.51
V 292.401	4921.25	4914.28	4935.08
Zn 206.200	2460.02	2450.18	2455.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.506	ppb	2.9653	0.6	34687.2	99.50114
Al 308.215	4983.68	ppb	9.0523	0.2	28754.3	99.67358
As 188.980	468.365	ppb	7.3774	1.6	256.231	93.67293
B 249.678	2517.00	ppb	20.9935	0.8	23407.4	100.68011
Ba 389.178	4924.61	ppb	4.8575	0.1	117850	98.49212
Be 313.042	489.957	ppb	0.2787	0.1	948080	97.99136
Ca 370.602	4922	ppb	9.197	0.2	15752	98.44321
Cd 226.502	490.889	ppb	0.6775	0.1	17499.3	98.17790
Co 228.615	496.590	ppb	0.7913	0.2	5701.83	99.31799
Cr 267.716	4894.59	ppb	15.6401	0.3	204600	97.89177
Cu 324.754	4872.24	ppb	64.6608	1.3	235314	97.44478
Fe 271.441	4944.69	ppb	13.0200	0.3	8409.93	98.89390
K 766.491	10062.3	ppb	28.0576	0.3	494071	100.62281
Mg 279.078	4905.71	ppb	9.3438	0.2	9936.32	98.11414
Mn 257.610	4958.37	ppb	1.9667	0.0	1124455	99.16746
Mo 202.032	486.908	ppb	0.8976	0.2	3150.32	97.38152
Na 330.237	7387.44	ppb	29.6651	0.4	348.095	98.49918
Ni 231.604	2470.02	ppb	4.9379	0.2	5839.57	98.80070
Pb 220.353	486.770	ppb	4.7900	1.0	785.505	97.35407
Sb 206.834	914.319	ppb	1.1106	0.1	918.917	91.43190
Se 196.026	4843.20	ppb	9.9966	0.2	2221.11	96.86408
Sn 189.925	5030.68	ppb	28.7458	0.6	3805.02	100.61363
Sr 216.596	2443.84	ppb	9.7370	0.4	22979.0	97.75365
Ti 334.941	493.773	ppb	1.1768	0.2	125918	98.75450
Tl 190.794	4939.00	ppb	9.2731	0.2	3256.55	98.77992
V 292.401	4923.54	ppb	10.5874	0.2	135031	98.47075
Zn 206.200	2455.22	ppb	4.9233	0.2	2713.60	98.20885

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/27/2013, 11:54:44 PM Rack 2, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8116u	-0.5798u	-0.2780u
Al 308.215	3.3127	1.1490	1.2779
As 188.980	-6.8778u	-5.3766u	0.8215
B 249.678	31.2490	26.0133	22.0771
Ba 389.178	0.3959	0.2391	-1.1878u
Be 313.042	-0.0342u	-0.0310u	-0.0249u
Ca 370.602	-4.881u	1.455	-0.4929u
Cd 226.502	-0.1832u	-0.2459u	-0.1138u
Co 228.615	0.4026	-0.3506u	0.9383
Cr 267.716	-0.2622u	-0.3460u	-0.2469u
Cu 324.754	-0.6554u	-0.7910u	-0.4478u
Fe 271.441	6.1651	1.0005	6.9884
K 766.491	0.0089	0.1510	-0.0436u
Mg 279.078	-0.6258u	-4.5391u	-2.6501u
Mn 257.610	-0.0928u	-0.1091u	-0.0572u
Mo 202.032	-0.3489u	-0.2053u	-1.2125u
Na 330.237	-62.3807u	350.907	62.9701
Ni 231.604	-0.5216u	0.8089	0.3201
Pb 220.353	-2.1118u	2.7806	-1.9736u
Sb 206.834	3.7194	7.1147	1.4442
Se 196.026	-10.3358u	-5.5830u	-10.3164u
Sn 189.925	0.3069	-3.7738u	-0.1094u
Sr 216.596	-0.3837u	-0.8051u	-1.4361u
Ti 334.941	-0.1194u	-0.0576u	-0.1780u
Tl 190.794	1.5919	-4.0888u	0.5833
V 292.401	0.3735	-0.5279u	0.3204
Zn 206.200	0.2239	1.0095	-0.0081u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5564	ppb	0.2676	48.1	-70.8934	-0.55644
Al 308.215	1.9132	ppb	1.2137	63.4	254.606	1.91324
As 188.980	-3.8110	ppb	4.0815	107.1	0.0021	-3.81097
B 249.678	26.4465	ppb	4.6013	17.4	600.614	26.44650
Ba 389.178	-0.1843	ppb	0.8726	473.6	-22.7954	-0.18425
Be 313.042	-0.0300	ppb	0.0047	15.7	-230.742	-0.03005
Ca 370.602	-1.306	ppb	3.245	248.4	-8.102	-1.30620
Cd 226.502	-0.1810	ppb	0.0661	36.5	6.5610	-0.18096
Co 228.615	0.3301	ppb	0.6475	196.1	17.4681	0.33010
Cr 267.716	-0.2850	ppb	0.0533	18.7	-2.5138	-0.28504
Cu 324.754	-0.6314	ppb	0.1729	27.4	77.2652	-0.63139
Fe 271.441	4.7180	ppb	3.2457	68.8	10.4302	4.71800
K 766.491	0.0388	ppb	0.1007	259.9	227.176	0.03875
Mg 279.078	-2.6050	ppb	1.9570	75.1	16.4992	-2.60499
Mn 257.610	-0.0864	ppb	0.0265	30.7	52.0623	-0.08640
Mo 202.032	-0.5889	ppb	0.5448	92.5	11.4765	-0.58890
Na 330.237	117.166	ppb	211.907	180.9	2.1427	117.16555
Ni 231.604	0.2025	ppb	0.6730	332.4	1.4285	0.20248
Pb 220.353	-0.4349	ppb	2.7856	640.5	1.7765	-0.43491
Sb 206.834	4.0927	ppb	2.8536	69.7	5.2024	4.09275
Se 196.026	-8.7451	ppb	2.7384	31.3	-3.8408	-8.74507
Sn 189.925	-1.1921	ppb	2.2455	188.4	-0.0875	-1.19210
Sr 216.596	-0.8750	ppb	0.5296	60.5	2.2627	-0.87496
Ti 334.941	-0.1183	ppb	0.0602	50.9	-60.2748	-0.11833
Tl 190.794	-0.6378	ppb	3.0309	475.2	-0.6794	-0.63784
V 292.401	0.0553	ppb	0.5058	913.9	-4.0467	0.05535
Zn 206.200	0.4084	ppb	0.5333	713.0	893.3812	0.40842

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680-88220-a-2-b^20 (Samp) 3/28/2013, 12:00:20 AM Rack 2, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1290u	-0.8451u	-0.5643u
Al 308.215	92.0727	94.7471	90.7364
As 188.980	17.9165	8.5275	11.7014
B 249.678	22.2291	20.8462	19.8412
Ba 389.178	1.6684	2.1888	1.1780
Be 313.042	-0.0333u	-0.0287u	-0.0419u
Ca 370.602	1856	1853	1845
Cd 226.502	-0.0045u	-0.1548u	-0.0500u
Co 228.615	-0.2787u	0.1712	-0.6553u
Cr 267.716	0.7962	0.8502	0.6933
Cu 324.754	-0.3385u	-0.3429u	-0.0545u
Fe 271.441	77.0673	77.9293	77.9691
K 766.491	3545.72	3535.80	3532.62
Mg 279.078	1200.05	1194.11	1193.09
Mn 257.610	0.8786	0.8669	0.8524
Mo 202.032	0.0245	-0.9405u	-1.1690u
Na 330.237	38599.1	38749.8	38461.9
Ni 231.604	0.1899	-0.1634u	0.2005
Pb 220.353	-0.9477u	-3.3622u	-2.9013u
Sb 206.834	1.8711	3.2027	4.7390
Se 196.026	3.3037	1.2279	3.2826
Sn 189.925	3.0358	5.1025	8.6338
Sr 216.596	33.9392	33.5974	32.8155
Ti 334.941	5.8329	5.8270	5.7781
Tl 190.794	-0.3419u	-2.8449u	0.2891
V 292.401	1.7524	1.2309	2.0343
Zn 206.200	2.7639	2.1979	1.8802

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8461	ppb	0.2824	33.4	-92.5602
Al 308.215	92.5187	ppb	2.0422	2.2	773.330
As 188.980	12.7152	ppb	4.7759	37.6	8.9873
B 249.678	20.9722	ppb	1.1989	5.7	550.412
Ba 389.178	1.6784	ppb	0.5055	30.1	25.1258
Be 313.042	-0.0346	ppb	0.0067	19.5	-243.896
Ca 370.602	1851	ppb	5.858	0.3	5967
Cd 226.502	-0.0698	ppb	0.0771	110.4	10.4938
Co 228.615	-0.2543	ppb	0.4138	162.7	10.9426
Cr 267.716	0.7799	ppb	0.0797	10.2	42.6286
Cu 324.754	-0.2453	ppb	0.1653	67.4	95.9093
Fe 271.441	77.6552	ppb	0.5096	0.7	132.615
K 766.491	3538.05	ppb	6.8295	0.2	173869
Mg 279.078	1195.75	ppb	3.7584	0.3	2457.25
Mn 257.610	0.8660	ppb	0.0131	1.5	274.613
Mo 202.032	-0.6950	ppb	0.6334	91.1	10.7856
Na 330.237	38603.6	ppb	144.023	0.4	1956.43
Ni 231.604	0.0756	ppb	0.2071	273.8	1.1301
Pb 220.353	-2.4038	ppb	1.2818	53.3	-1.3953
Sb 206.834	3.2710	ppb	1.4352	43.9	4.4301
Se 196.026	2.6047	ppb	1.1924	45.8	1.3616
Sn 189.925	5.5907	ppb	2.8308	50.6	5.0550
Sr 216.596	33.4507	ppb	0.5760	1.7	325.764
Ti 334.941	5.8127	ppb	0.0301	0.5	1454.48
Tl 190.794	-0.9659	ppb	1.6576	171.6	-0.8990
V 292.401	1.6725	ppb	0.4076	24.4	40.1781
Zn 206.200	2.2807	ppb	0.4476	19.6	6.2335

680-88220-a-3-b^20 (Samp) 3/28/2013, 12:05:46 AM Rack 2, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2536u	-0.5284u	0.0824
Al 308.215	1.5956	2.4034	0.9930
As 188.980	-1.1386u	-3.6413u	-0.5342u
B 249.678	15.3035	15.1851	13.7793
Ba 389.178	23.1006	22.3978	22.4520
Be 313.042	-0.0213u	-0.0245u	-0.0163u
Ca 370.602	2707	2709	2699
Cd 226.502	-0.0750u	-0.1047u	-0.3801u
Co 228.615	0.5024	-0.2223u	-0.0458u
Cr 267.716	0.1307	-0.0716u	0.2096
Cu 324.754	0.0508	-0.2713u	-0.2265u
Fe 271.441	52.9513	45.2174	61.7479
K 766.491	1184.73	1188.92	1176.40
Mg 279.078	3567.23	3577.30	3565.97
Mn 257.610	5.1559	5.1811	5.1322
Mo 202.032	-1.1554u	0.1164	-1.2315u
Na 330.237	102909x	103071x	102266x
Ni 231.604	-0.5870u	-0.3159u	2.0312
Pb 220.353	-1.6477u	-1.1132u	0.2509
Sb 206.834	-0.6622u	0.1223	0.3891
Se 196.026	0.9622	-3.9376u	-1.2692u
Sn 189.925	-4.2580u	0.0891	-2.6732u
Sr 216.596	40.1905	41.4029	40.9358
Ti 334.941	0.1993	0.1283	0.2055
Tl 190.794	-0.4180u	5.6660	-0.0076u
V 292.401	1.8271	1.9425	1.5208
Zn 206.200	0.0592	0.1286	-0.5738u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5665b	ppb	0.6688	118.0	-73.3704
Al 308.215	1.6640b	ppb	0.7077	42.5	253.146
As 188.980	-1.7714b	ppb	1.6474	93.0	1.1289
B 249.678	14.7560b	ppb	0.8479	5.7	493.498
Ba 389.178	22.6501b	ppb	0.3910	1.7	533.307
Be 313.042	-0.0207b	ppb	0.0041	20.0	-224.404
Ca 370.602	2705b	ppb	5.335	0.2	8723
Cd 226.502	-0.1866b	ppb	0.1683	90.2	5.9536
Co 228.615	0.0781b	ppb	0.3779	484.1	14.5980
Cr 267.716	0.0895b	ppb	0.1451	162.0	14.7841
Cu 324.754	-0.1490b	ppb	0.1745	117.1	100.552
Fe 271.441	53.3055b	ppb	8.2710	15.5	91.7827
K 766.491	1183.35b	ppb	6.3722	0.5	58302.9
Mg 279.078	3570.17b	ppb	6.2111	0.2	7293.33
Mn 257.610	5.1564b	ppb	0.0245	0.5	1260.11
Mo 202.032	-0.7569b	ppb	0.7572	100.0	10.3872
Na 330.237	102748xb	ppb	425.603	0.4	5213.82
Ni 231.604	0.3761b	ppb	1.4398	382.8	1.8398
Pb 220.353	-0.8367b	ppb	0.9791	117.0	1.1313
Sb 206.834	-0.0503b	ppb	0.5465	1087.4	1.2504
Se 196.026	-1.4149b	ppb	2.4532	173.4	-0.4798
Sn 189.925	-2.2807b	ppb	2.1999	96.5	-0.8759
Sr 216.596	40.8430b	ppb	0.6115	1.5	395.449
Ti 334.941	0.1777b	ppb	0.0429	24.1	22.5141
Tl 190.794	1.7468b	ppb	3.4004	194.7	0.8883
V 292.401	1.7635b	ppb	0.2179	12.4	42.1319
Zn 206.200	-0.1287b	ppb	0.3871	200.8	2.5863

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680-88220-a-4-b^20 (Samp) 3/28/2013, 12:11:11 AM Rack 2, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6320u	-0.3585u	-0.4267u
Al 308.215	100.048	105.516	103.491
As 188.980	10.6969	3.8848	1.4507
B 249.678	5.4313	7.0880	7.3070
Ba 389.178	1.3427	1.3828	1.0786
Be 313.042	-0.0250u	-0.0245u	-0.0308u
Ca 370.602	1870	1871	1873
Cd 226.502	0.1082	-0.1845u	0.0899
Co 228.615	0.1374	-0.1036u	-0.2497u
Cr 267.716	0.6331	0.9620	0.6808
Cu 324.754	-0.5878u	-0.2981u	0.1552
Fe 271.441	94.4412	85.2156	81.9709
K 766.491	3519.71	3515.00	3510.82
Mg 279.078	1221.11	1220.66	1227.67
Mn 257.610	0.9189	0.9800	0.9839
Mo 202.032	-1.2424u	-0.7588u	-0.8288u
Na 330.237	38042.5	38104.3	38059.3
Ni 231.604	-1.3248u	0.4577	1.9345
Pb 220.353	0.7261	1.2161	-1.0695u
Sb 206.834	3.1937	0.9172	-0.4451u
Se 196.026	0.1581	0.8419	5.0540
Sn 189.925	-0.5918u	0.6317	5.9987
Sr 216.596	32.8774	33.3059	34.0554
Ti 334.941	6.3092	6.2653	6.4046
Tl 190.794	1.0140	-0.0502u	5.6466
V 292.401	2.0254	1.8571	1.8587
Zn 206.200	2.5849	3.0617	3.5513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4724	ppb	0.1424	30.1	-66.4459
Al 308.215	103.018	ppb	2.7643	2.7	833.385
As 188.980	5.3441	ppb	4.7927	89.7	4.9857
B 249.678	6.6088	ppb	1.0256	15.5	418.849
Ba 389.178	1.2680	ppb	0.1653	13.0	15.3920
Be 313.042	-0.0268	ppb	0.0035	13.1	-228.543
Ca 370.602	1871	ppb	1.684	0.1	6031
Cd 226.502	0.0045	ppb	0.1640	3623.3	13.1611
Co 228.615	-0.0720	ppb	0.1954	271.5	13.0542
Cr 267.716	0.7586	ppb	0.1777	23.4	41.7322
Cu 324.754	-0.2436	ppb	0.3745	153.7	95.9830
Fe 271.441	87.2092	ppb	6.4698	7.4	148.668
K 766.491	3515.17	ppb	4.4464	0.1	172746
Mg 279.078	1223.15	ppb	3.9215	0.3	2513.05
Mn 257.610	0.9609	ppb	0.0364	3.8	296.323
Mo 202.032	-0.9433	ppb	0.2613	27.7	9.1816
Na 330.237	38068.7	ppb	31.9066	0.1	1929.26
Ni 231.604	0.3558	ppb	1.6321	458.7	1.7926
Pb 220.353	0.2909	ppb	1.2034	413.7	2.9399
Sb 206.834	1.2219	ppb	1.8385	150.5	2.4782
Se 196.026	2.0180	ppb	2.6514	131.4	1.0927
Sn 189.925	2.0129	ppb	3.5056	174.2	2.3493
Sr 216.596	33.4129	ppb	0.5962	1.8	325.427
Ti 334.941	6.3264	ppb	0.0712	1.1	1585.64
Tl 190.794	2.2035	ppb	3.0290	137.5	1.1930
V 292.401	1.9137	ppb	0.0967	5.1	46.9096
Zn 206.200	3.0660	ppb	0.4832	15.8	7.4254

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88220-a-5-b^20 (Samp) 3/28/2013, 12:16:36 AM Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9902u	-0.2166u	-0.2386u
Al 308.215	3.3852	5.0375	2.8155
As 188.980	-4.4905u	-6.2673u	-2.1043u
B 249.678	81.9563	85.3985	86.5743
Ba 389.178	-0.8167	-0.5583	-0.9899
Be 313.042	-0.0127u	-0.0295u	-0.0208u
Ca 370.602	15651	15702	15783
Cd 226.502	-0.2036u	0.0154u	-0.0695u
Co 228.615	0.5850	0.1830	-0.1450u
Cr 267.716	0.6982	0.7091	0.6820
Cu 324.754	-0.3499u	-0.4637u	0.2210
Fe 271.441	62.4808	58.9118	57.4707
K 766.491	4792.92	4803.93	4796.60
Mg 279.078	9909.94	9961.01	9986.36
Mn 257.610	26.8094	27.0500	27.0155
Mo 202.032	-1.0848u	-0.6433u	-0.6861u
Na 330.237	240041x	239259x	240957x
Ni 231.604	-1.6141u	-1.4239u	0.4926
Pb 220.353	-0.8029u	-2.6250u	-0.8701u
Sb 206.834	1.4317	2.8841	-2.3109u
Se 196.026	7.5034	-11.0247u	0.8622
Sn 189.925	1.8089	-3.0840u	-0.4875u
Sr 216.596	40.1087	38.9556	40.8959
Ti 334.941	0.4477	0.4817	0.5851
Tl 190.794	-6.8500u	-5.5111u	3.1567
V 292.401	3.3817	3.7082	4.0223
Zn 206.200	-0.6063u	1.4306	1.1319

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4818b	ppb	0.4405	91.4	-67.3961
Al 308.215	3.7461b	ppb	1.1541	30.8	264.991
As 188.980	-4.2873b	ppb	2.0889	48.7	-0.1413
B 249.678	84.6431b	ppb	2.3999	2.8	1133.60
Ba 389.178	-0.7883b	ppb	0.2172	27.6	-10.3007
Be 313.042	-0.0210b	ppb	0.0084	40.1	-237.431
Ca 370.602	15712b	ppb	66.22	0.4	50709
Cd 226.502	-0.0859b	ppb	0.1104	128.6	8.8935
Co 228.615	0.2076b	ppb	0.3656	176.1	16.1041
Cr 267.716	0.6965b	ppb	0.0136	2.0	42.3939
Cu 324.754	-0.1975b	ppb	0.3669	185.8	98.1859
Fe 271.441	59.6211b	ppb	2.5793	4.3	102.472
K 766.491	4797.82b	ppb	5.6069	0.1	235697
Mg 279.078	9952.44b	ppb	38.9238	0.4	20292.2
Mn 257.610	26.9583b	ppb	0.1301	0.5	6238.21
Mo 202.032	-0.8047b	ppb	0.2435	30.3	10.0746
Na 330.237	240086xb	ppb	849.600	0.4	12187.9
Ni 231.604	-0.8485b	ppb	1.1653	137.3	-1.0546
Pb 220.353	-1.4327b	ppb	1.0331	72.1	0.1771
Sb 206.834	0.6683b	ppb	2.6804	401.1	1.9479
Se 196.026	-0.8864b	ppb	9.3870	1059.0	-0.2325
Sn 189.925	-0.5875b	ppb	2.4480	416.7	0.4546
Sr 216.596	39.9868b	ppb	0.9759	2.4	388.557
Ti 334.941	0.5048b	ppb	0.0715	14.2	122.200
Tl 190.794	-3.0682b	ppb	5.4323	177.1	-2.3106
V 292.401	3.7041b	ppb	0.3203	8.6	94.4972
Zn 206.200	0.6521b	ppb	1.1900	168.7	3.8716

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88220-a-6-b^20 (Samp) 3/28/2013, 12:22:13 AM Rack 2, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3908u	-1.0694u	-0.1707u
Al 308.215	0.5419	0.5267	2.2714
As 188.980	-2.4781u	2.1571	-0.3015u
B 249.678	-23.3289u	-24.0600u	-23.7221u
Ba 389.178	11.8334	12.6585	12.7988
Be 313.042	-0.0365u	-0.0313u	-0.0449u
Ca 370.602	3699	3709	3733
Cd 226.502	-0.0881u	-0.2090u	-0.1693u
Co 228.615	-0.1114u	-0.2075u	0.1906
Cr 267.716	-0.4925u	-0.0028	-0.1444u
Cu 324.754	-0.4801u	-0.2103u	-0.1599u
Fe 271.441	8.3460	9.5118	2.0805
K 766.491	1068.17	1067.89	1067.73
Mg 279.078	1572.38	1577.20	1581.38
Mn 257.610	17.5440	17.5460	17.5629
Mo 202.032	-0.7824u	-0.5423u	-1.4318u
Na 330.237	9991.30	9916.25	10020.0
Ni 231.604	0.8937	-1.1184u	1.0825
Pb 220.353	-0.7773u	0.9152	-0.5772u
Sb 206.834	-2.7085u	2.1635	1.2047
Se 196.026	5.7312	-5.7737u	4.0812
Sn 189.925	-2.9662u	1.0161	-0.8405u
Sr 216.596	21.3680	21.8878	21.9624
Ti 334.941	-0.2318u	-0.2915u	-0.3186u
Tl 190.794	0.5996	3.5709	2.8592
V 292.401	0.4555	0.3086	0.2467
Zn 206.200	0.3090	-1.0631u	0.2187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5436	ppb	0.4684	86.2	-70.8655
Al 308.215	1.1134	ppb	1.0030	90.1	249.967
As 188.980	-0.2075	ppb	2.3190	1117.7	1.9858
B 249.678	-23.7037	ppb	0.3659	1.5	141.282
Ba 389.178	12.4302	ppb	0.5216	4.2	283.303
Be 313.042	-0.0375	ppb	0.0069	18.3	-245.204
Ca 370.602	3714	ppb	17.49	0.5	11984
Cd 226.502	-0.1554	ppb	0.0616	39.6	7.4395
Co 228.615	-0.0428	ppb	0.2077	485.9	13.2163
Cr 267.716	-0.2132	ppb	0.2520	118.2	0.7094
Cu 324.754	-0.2835	ppb	0.1721	60.7	94.0514
Fe 271.441	6.6461	ppb	3.9967	60.1	13.5768
K 766.491	1067.93	ppb	0.2241	0.0	52638.2
Mg 279.078	1576.99	ppb	4.5047	0.3	3233.49
Mn 257.610	17.5510	ppb	0.0104	0.1	4060.10
Mo 202.032	-0.9188	ppb	0.4602	50.1	9.3461
Na 330.237	9975.85	ppb	53.5806	0.5	502.782
Ni 231.604	0.2859	ppb	1.2199	426.7	1.6257
Pb 220.353	-0.1464	ppb	0.9248	631.5	2.2451
Sb 206.834	0.2199	ppb	2.5810	1173.8	1.5093
Se 196.026	1.3462	ppb	6.2210	462.1	0.7884
Sn 189.925	-0.9302	ppb	1.9926	214.2	0.1152
Sr 216.596	21.7394	ppb	0.3238	1.5	215.618
Ti 334.941	-0.2807	ppb	0.0444	15.8	-95.9018
Tl 190.794	2.3432	ppb	1.5514	66.2	1.2712
V 292.401	0.3369	ppb	0.1072	31.8	3.7116
Zn 206.200	-0.1785	ppb	0.7675	430.1	2.5198

680-88220-a-7-b^20 (Samp) 3/28/2013, 12:27:39 AM Rack 2, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6929u	-0.5915u	-0.3793u
Al 308.215	20.1965	19.4212	17.5480
As 188.980	14.5269	18.7064	17.1796
B 249.678	-19.5185u	-18.8388u	-19.8064u
Ba 389.178	0.4602	1.1826	1.5154
Be 313.042	-0.0246u	-0.0223u	-0.0184u
Ca 370.602	24387	24434	24440
Cd 226.502	-0.0803u	-0.0646u	-0.0768u
Co 228.615	0.1996	0.1946	0.3534
Cr 267.716	3.6720	3.5937	2.9511
Cu 324.754	0.2186	0.4051	0.0919
Fe 271.441	107.967	118.067	115.481
K 766.491	5224.19	5204.40	5214.49
Mg 279.078	133.961	136.064	136.039
Mn 257.610	0.1685	0.1663	0.2666
Mo 202.032	2.4326	2.4820	1.4863
Na 330.237	147111x	148962x	148344x
Ni 231.604	6.2007	6.6510	6.1458
Pb 220.353	3.8845	2.0424	3.0897
Sb 206.834	0.9096	-2.7476u	-2.0643u
Se 196.026	-1.0791u	6.4461	3.9091
Sn 189.925	-0.2177u	1.7894	-0.8087u
Sr 216.596	65.7866	65.9063	66.6205
Ti 334.941	12.2309	12.3245	12.3371
Tl 190.794	-2.4911u	-3.2047u	-7.1261u
V 292.401	18.4928	18.8052	18.8573
Zn 206.200	3.4291	2.5994	1.0378

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5546b	ppb	0.1600	28.9	-73.4784
Al 308.215	19.0552b	ppb	1.3617	7.1	352.771
As 188.980	16.8043b	ppb	2.1149	12.6	11.3724
B 249.678	-19.3879b	ppb	0.4969	2.6	180.722
Ba 389.178	1.0527b	ppb	0.5394	51.2	7.3903
Be 313.042	-0.0218b	ppb	0.0031	14.5	-225.412
Ca 370.602	24420b	ppb	29.08	0.1	78817
Cd 226.502	-0.0739b	ppb	0.0082	11.1	9.8152
Co 228.615	0.2492b	ppb	0.0903	36.2	16.7843
Cr 267.716	3.4056b	ppb	0.3956	11.6	153.997
Cu 324.754	0.2385b	ppb	0.1576	66.0	119.188
Fe 271.441	113.838b	ppb	5.2467	4.6	193.444
K 766.491	5214.36b	ppb	9.8962	0.2	256140
Mg 279.078	135.355b	ppb	1.2068	0.9	297.500
Mn 257.610	0.2005b	ppb	0.0573	28.6	117.666
Mo 202.032	2.1336b	ppb	0.5611	26.3	29.0175
Na 330.237	148139xb	ppb	942.487	0.6	7518.66
Ni 231.604	6.3325b	ppb	0.2772	4.4	15.9203
Pb 220.353	3.0055b	ppb	0.9240	30.7	7.3015
Sb 206.834	-1.3008b	ppb	1.9445	149.5	0.0527
Se 196.026	3.0921b	ppb	3.8285	123.8	1.5849
Sn 189.925	0.2543b	ppb	1.3619	535.5	1.0643
Sr 216.596	66.1044b	ppb	0.4509	0.7	635.160
Ti 334.941	12.2975b	ppb	0.0580	0.5	3096.03
Tl 190.794	-4.2740b	ppb	2.4957	58.4	-3.0780
V 292.401	18.7184b	ppb	0.1971	1.1	507.551
Zn 206.200	2.3554b	ppb	1.2142	51.5	65176

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680-88252-a-1-d^20 (Samp) 3/28/2013, 12:33:04 AM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7819u	-0.8615u	-1.0287u
Al 308.215	8.8593	11.8492	9.7701
As 188.980	4.9515	-2.0752u	-1.5668u
B 249.678	18.0872	18.0190	19.4258
Ba 389.178	1.2286	3.1116	2.1987
Be 313.042	-0.0372u	-0.0232u	-0.0417u
Ca 370.602	2440	2444	2433
Cd 226.502	-0.0984u	-0.1729u	-0.1703u
Co 228.615	0.3696	-0.2197u	-0.2006u
Cr 267.716	1.3630	1.0497	1.0265
Cu 324.754	-0.0878u	-0.3892u	-0.3955u
Fe 271.441	7.8475	11.5253	8.5787
K 766.491	2260.43	2254.33	2255.65
Mg 279.078	2367.80	2369.33	2375.75
Mn 257.610	2.5684	2.5535	2.5482
Mo 202.032	-1.0290u	-0.8086u	-0.5961u
Na 330.237	47378.6	47414.4	47254.8
Ni 231.604	-0.3354u	0.3001	-0.1335u
Pb 220.353	-0.0458u	-0.6232u	1.9650
Sb 206.834	-0.9946u	1.6369	2.4971
Se 196.026	-3.8830u	-1.7195u	-2.1997u
Sn 189.925	-3.2113u	1.1371	-3.8279u
Sr 216.596	22.9902	23.7966	22.6941
Ti 334.941	15.4251	15.5061	15.5129
Tl 190.794	-1.9888u	-0.2581u	-0.0174u
V 292.401	2.0063	2.2777	1.6570
Zn 206.200	-1.1323u	0.2897	-0.5907u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8907	ppb	0.1260	14.1	-95.2613
Al 308.215	10.1595	ppb	1.5325	15.1	301.782
As 188.980	0.4365	ppb	3.9184	897.7	2.3259
B 249.678	18.5107	ppb	0.7933	4.3	527.930
Ba 389.178	2.1796	ppb	0.9416	43.2	40.1723
Be 313.042	-0.0340	ppb	0.0096	28.3	-243.593
Ca 370.602	2439	ppb	5.196	0.2	7872
Cd 226.502	-0.1472	ppb	0.0423	28.7	7.5406
Co 228.615	-0.0169	ppb	0.3349	1981.6	13.9072
Cr 267.716	1.1464	ppb	0.1879	16.4	58.0943
Cu 324.754	-0.2908	ppb	0.1759	60.5	93.6890
Fe 271.441	9.3171	ppb	1.9470	20.9	18.1209
K 766.491	2256.80	ppb	3.2069	0.1	110987
Mg 279.078	2370.96	ppb	4.2165	0.2	4850.86
Mn 257.610	2.5567	ppb	0.0104	0.4	664.173
Mo 202.032	-0.8112	ppb	0.2164	26.7	10.0380
Na 330.237	47349.3	ppb	83.7306	0.2	2400.52
Ni 231.604	-0.0563	ppb	0.3247	577.1	0.8170
Pb 220.353	0.4320	ppb	1.3586	314.5	3.1636
Sb 206.834	1.0465	ppb	1.8192	173.8	2.3062
Se 196.026	-2.6007	ppb	1.1361	43.7	-1.0240
Sn 189.925	-1.9674	ppb	2.7062	137.6	-0.6573
Sr 216.596	23.1603	ppb	0.5706	2.5	228.859
Ti 334.941	15.4813	ppb	0.0489	0.3	3924.46
Tl 190.794	-0.7548	ppb	1.0754	142.5	-0.7587
V 292.401	1.9804	ppb	0.3111	15.7	48.7135
Zn 206.200	-0.4778	ppb	0.7177	150.2	2.0516

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680-88252-a-1-d^20 (Samp) 3/28/2013, 12:38:30 AM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6049u	-1.3293u	-0.8516u
Al 308.215	0.4918	0.8443	0.9862
As 188.980	2.4832	1.0452	-5.1151u
B 249.678	-21.7409u	-21.8613u	-21.8079u
Ba 389.178	0.2751	-0.1060u	0.2050
Be 313.042	-0.0283u	-0.0411u	-0.0331u
Ca 370.602	485.2	494.0	495.9
Cd 226.502	-0.0668u	-0.0949u	-0.1717u
Co 228.615	0.3164	-0.6813u	0.3535
Cr 267.716	0.2586	-0.1844u	0.0624
Cu 324.754	-0.6109u	-0.8209u	0.0114
Fe 271.441	0.7032	1.8003	8.3277
K 766.491	438.909	443.162	444.708
Mg 279.078	469.142	471.243	475.225
Mn 257.610	0.3285	0.3957	0.3627
Mo 202.032	-1.0109u	-0.7004u	-1.1407u
Na 330.237	9193.28	9260.70	9502.55
Ni 231.604	0.2424	-0.1940u	1.8009
Pb 220.353	1.4313	1.4244	0.9923
Sb 206.834	1.6803	3.6882	-0.2919u
Se 196.026	-1.5681u	-7.6483u	8.7194
Sn 189.925	-3.0594u	-1.6624u	-2.5506u
Sr 216.596	4.2294	4.6643	4.0596
Ti 334.941	2.8017	2.8874	2.9001
Tl 190.794	2.9401	-0.8458u	-4.6550u
V 292.401	0.9087	0.6515	0.4998
Zn 206.200	-0.6296u	0.0300	-0.1816u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9286	ppb	0.3683	39.7	-97.1103
Al 308.215	0.7741	ppb	0.2546	32.9	248.063
As 188.980	-0.5289	ppb	4.0363	763.1	1.7875
B 249.678	-21.8033	ppb	0.0603	0.3	158.689
Ba 389.178	0.1247	ppb	0.2028	162.7	-14.1229
Be 313.042	-0.0342	ppb	0.0065	18.9	-239.757
Ca 370.602	491.7	ppb	5.705	1.2	1584
Cd 226.502	-0.1112	ppb	0.0543	48.8	8.9993
Co 228.615	-0.0038	ppb	0.5870	15335.9	13.7322
Cr 267.716	0.0455	ppb	0.2219	487.5	11.4529
Cu 324.754	-0.4735	ppb	0.4329	91.4	84.8813
Fe 271.441	3.6104	ppb	4.1219	114.2	8.4591
K 766.491	442.260	ppb	3.0027	0.7	21930.9
Mg 279.078	471.870	ppb	3.0897	0.7	982.888
Mn 257.610	0.3623	ppb	0.0336	9.3	156.365
Mo 202.032	-0.9507	ppb	0.2262	23.8	9.1400
Na 330.237	9318.84	ppb	162.628	1.7	469.394
Ni 231.604	0.6165	ppb	1.0487	170.1	2.4071
Pb 220.353	1.2827	ppb	0.2515	19.6	4.5387
Sb 206.834	1.6922	ppb	1.9901	117.6	2.9125
Se 196.026	-0.1657	ppb	8.2735	4994.2	0.0915
Sn 189.925	-2.4241	ppb	0.7070	29.2	-1.0159
Sr 216.596	4.3178	ppb	0.3119	7.2	51.2270
Ti 334.941	2.8631	ppb	0.0536	1.9	701.357
Tl 190.794	-0.8536	ppb	3.7976	444.9	-0.8222
V 292.401	0.6867	ppb	0.2067	30.1	13.2914
Zn 206.200	-0.2604	ppb	0.3368	127.3	893.3694

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680-88252-a-1-d^20 (Samp) **3/28/2013, 12:43:56 AM** **Rack 2, Tube 35****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.7246	51.3878	50.7484
Al 308.215	1992.43	2000.92	1998.13
As 188.980	2188.90	2206.04	2188.88
B 249.678	1068.46	1079.50	1087.02
Ba 389.178	2074.21	2077.70	2074.56
Be 313.042	51.6713	51.7504	51.6714
Ca 370.602	7407	7421	7409
Cd 226.502	51.9151	51.3755	51.6215
Co 228.615	518.605	520.769	521.807
Cr 267.716	205.472	205.941	205.548
Cu 324.754	258.381	260.189	257.755
Fe 271.441	1035.45	1039.78	1037.80
K 766.491	7687.17	7726.79	7720.04
Mg 279.078	7448.56	7476.77	7462.75
Mn 257.610	524.718	525.732	525.167
Mo 202.032	515.912	515.881	514.660
Na 330.237	52011.7	52368.9	51939.4
Ni 231.604	516.107	513.750	507.407
Pb 220.353	512.540	510.926	509.996
Sb 206.834	506.482	505.039	506.216
Se 196.026	2045.66	2055.15	2054.50
Sn 189.925	1052.06	1045.75	1052.38
Sr 216.596	550.023	550.314	548.528
Ti 334.941	1037.57	1040.38	1040.84
Tl 190.794	2111.88	2131.64	2111.21
V 292.401	513.013	514.528	513.059
Zn 206.200	508.398	506.285	504.291

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2869	ppb	0.4959	1.0	3534.76
Al 308.215	1997.16	ppb	4.3235	0.2	11737.1
As 188.980	2194.61	ppb	9.9044	0.5	1193.48
B 249.678	1078.33	ppb	9.3346	0.9	10233.9
Ba 389.178	2075.49	ppb	1.9217	0.1	49668.6
Be 313.042	51.6977	ppb	0.0457	0.1	99802.9
Ca 370.602	7412	ppb	7.379	0.1	24047
Cd 226.502	51.6374	ppb	0.2702	0.5	1853.51
Co 228.615	520.394	ppb	1.6339	0.3	5974.93
Cr 267.716	205.654	ppb	0.2513	0.1	8606.69
Cu 324.754	258.775	ppb	1.2639	0.5	12610.9
Fe 271.441	1037.68	ppb	2.1701	0.2	1825.55
K 766.491	7711.33	ppb	21.1971	0.3	378689
Mg 279.078	7462.69	ppb	14.1046	0.2	15213.1
Mn 257.610	525.206	ppb	0.5081	0.1	119209
Mo 202.032	515.484	ppb	0.7138	0.1	3342.40
Na 330.237	52106.7	ppb	229.963	0.4	2630.24
Ni 231.604	512.421	ppb	4.4993	0.9	1212.21
Pb 220.353	511.154	ppb	1.2870	0.3	823.533
Sb 206.834	505.912	ppb	0.7678	0.2	480.358
Se 196.026	2051.77	ppb	5.3011	0.3	940.681
Sn 189.925	1050.06	ppb	3.7361	0.4	794.890
Sr 216.596	549.622	ppb	0.9582	0.2	5164.50
Ti 334.941	1039.59	ppb	1.7719	0.2	265127
Tl 190.794	2118.24	ppb	11.6104	0.5	1397.60
V 292.401	513.533	ppb	0.8615	0.2	14022.1
Zn 206.200	506.325	ppb	2.0535	0.4	779.471

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680-88252-a-1-e ms (Samp) 3/28/2013, 12:49:22 AM Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.8707	1.6081	2.0331
Al 308.215	261.589	260.406	263.583
As 188.980	1.1592	7.0725	7.9366
B 249.678	54.1287	50.4205	49.3390
Ba 389.178	6.8742	8.1532	6.7397
Be 313.042	2.5849	2.5939	2.5913
Ca 370.602	2568	2581	2582
Cd 226.502	2.5886	2.5136	2.4473
Co 228.615	2.3400	2.9787	2.3294
Cr 267.716	6.2332	6.0199	6.0875
Cu 324.754	4.9062	5.1774	4.9207
Fe 271.441	261.273	259.736	261.380
K 766.491	2407.67	2417.96	2425.87
Mg 279.078	2512.31	2519.14	2530.05
Mn 257.610	29.1534	29.0820	29.2042
Mo 202.032	4.2545	4.6908	4.2478
Na 330.237	45569.9	45491.9	45609.5
Ni 231.604	6.0780	4.1541	6.5268
Pb 220.353	2.3710	2.3094	0.4585
Sb 206.834	1.2978	-5.3097u	2.6479
Se 196.026	-2.2585u	7.4617	13.4343
Sn 189.925	2.3827	-1.9855u	-0.1889u
Sr 216.596	27.0277	27.3457	27.1909
Ti 334.941	19.6327	19.7048	19.6861
Tl 190.794	-1.8509u	1.7715	-3.3098u
V 292.401	6.9368	7.4145	7.0119
Zn 206.200	4.9155	4.3039	6.0013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8373	ppb	0.2145	11.7	95.3981
Al 308.215	261.860	ppb	1.6057	0.6	1743.46
As 188.980	5.3894	ppb	3.6889	68.4	5.0125
B 249.678	51.2961	ppb	2.5120	4.9	827.983
Ba 389.178	7.2557	ppb	0.7802	10.8	162.456
Be 313.042	2.5900	ppb	0.0046	0.2	4835.64
Ca 370.602	2577	ppb	7.823	0.3	8298
Cd 226.502	2.5165	ppb	0.0707	2.8	102.967
Co 228.615	2.5494	ppb	0.3718	14.6	43.2086
Cr 267.716	6.1135	ppb	0.1090	1.8	265.810
Cu 324.754	5.0014	ppb	0.1526	3.1	349.365
Fe 271.441	260.796	ppb	0.9198	0.4	440.080
K 766.491	2417.17	ppb	9.1236	0.4	118857
Mg 279.078	2520.50	ppb	8.9476	0.4	5155.00
Mn 257.610	29.1465	ppb	0.0614	0.2	6695.13
Mo 202.032	4.3977	ppb	0.2538	5.8	43.6472
Na 330.237	45557.1	ppb	59.8612	0.1	2309.36
Ni 231.604	5.5863	ppb	1.2604	22.6	14.1595
Pb 220.353	1.7130	ppb	1.0868	63.4	5.2160
Sb 206.834	-0.4547	ppb	4.2584	936.6	0.8793
Se 196.026	6.2125	ppb	7.9206	127.5	3.0221
Sn 189.925	0.0695	ppb	2.1956	3161.2	0.8824
Sr 216.596	27.1881	ppb	0.1590	0.6	266.666
Ti 334.941	19.6745	ppb	0.0374	0.2	4994.66
Tl 190.794	-1.1297	ppb	2.6163	231.6	-1.0393
V 292.401	7.1211	ppb	0.2569	3.6	188.901
Zn 206.200	5.0736	ppb	0.8597	16.9	104.609

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 12:54:48 AM Rack 2, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	491.573	498.625	498.840
Al 308.215	4958.07	4942.11	5003.77
As 188.980	474.348	467.127	470.288
B 249.678	2488.70	2502.88	2548.58
Ba 389.178	4900.48	4889.17	4944.94
Be 313.042	488.262	486.606	492.185
Ca 370.602	4894	4880	4933
Cd 226.502	488.229	486.156	492.972
Co 228.615	494.113	491.232	499.537
Cr 267.716	4893.76	4873.20	4922.63
Cu 324.754	4801.79	4905.68	4878.23
Fe 271.441	4916.23	4911.81	4962.19
K 766.491	9942.56	9914.61	10090.6
Mg 279.078	4877.90	4880.81	4916.48
Mn 257.610	4943.03	4916.99	4987.01
Mo 202.032	486.151	481.652	489.199
Na 330.237	7460.43	7327.22	7364.73
Ni 231.604	2464.50	2445.78	2479.91
Pb 220.353	490.960	482.593	492.064
Sb 206.834	900.696	912.645	921.175
Se 196.026	4810.82	4787.04	4856.32
Sn 189.925	4994.90	4985.69	5011.27
Sr 216.596	2449.63	2436.08	2467.41
Ti 334.941	493.716	491.595	497.616
Tl 190.794	4920.54	4903.51	4950.88
V 292.401	4899.55	4883.77	4949.45
Zn 206.200	2450.21	2436.54	2462.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.346	ppb	4.1351	0.8	34606.6	99.26920
Al 308.215	4967.99	ppb	32.0020	0.6	28664.5	99.35972
As 188.980	470.588	ppb	3.6202	0.8	257.438	94.11756
B 249.678	2513.39	ppb	31.2927	1.2	23374.3	100.53561
Ba 389.178	4911.53	ppb	29.4833	0.6	117537	98.23062
Be 313.042	489.018	ppb	2.8649	0.6	946262	97.80354
Ca 370.602	4902	ppb	27.19	0.6	15688	98.04501
Cd 226.502	489.119	ppb	3.4939	0.7	17436.3	97.82384
Co 228.615	494.961	ppb	4.2166	0.9	5683.22	98.99220
Cr 267.716	4896.53	ppb	24.8294	0.5	204681	97.93055
Cu 324.754	4861.90	ppb	53.8357	1.1	234815	97.23793
Fe 271.441	4930.07	ppb	27.8971	0.6	8385.20	98.60149
K 766.491	9982.60	ppb	94.6030	0.9	490161	99.82600
Mg 279.078	4891.73	ppb	21.4859	0.4	9907.98	97.83460
Mn 257.610	4949.01	ppb	35.3886	0.7	1122332	98.98026
Mo 202.032	485.668	ppb	3.7964	0.8	3142.34	97.13351
Na 330.237	7384.13	ppb	68.6887	0.9	347.977	98.45501
Ni 231.604	2463.40	ppb	17.0913	0.7	5823.92	98.53595
Pb 220.353	488.539	ppb	5.1789	1.1	788.352	97.70777
Sb 206.834	911.505	ppb	10.2869	1.1	916.171	91.15054
Se 196.026	4818.06	ppb	35.2043	0.7	2209.58	96.36120
Sn 189.925	4997.29	ppb	12.9559	0.3	3779.76	99.94570
Sr 216.596	2451.04	ppb	15.7125	0.6	23046.9	98.04165
Ti 334.941	494.309	ppb	3.0539	0.6	126055	98.86182
Tl 190.794	4924.98	ppb	23.9950	0.5	3247.30	98.49952
V 292.401	4910.92	ppb	34.2856	0.7	134684	98.21844
Zn 206.200	2449.86	ppb	13.1569	0.5	3795.50	97.99457

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/28/2013, 1:00:14 AM Rack 2, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6294u	-0.0414u	-0.3807u
Al 308.215	-3.2441u	0.8938	-1.6015u
As 188.980	-8.9407u	4.0382	-3.1628u
B 249.678	34.8229	29.1786	24.3978
Ba 389.178	-0.8171u	-0.6962u	-0.6084u
Be 313.042	-0.0319u	-0.0231u	-0.0391u
Ca 370.602	0.9451	-1.775u	-1.218u
Cd 226.502	-0.1957u	-0.0291u	-0.1745u
Co 228.615	0.7085	-0.2434u	0.2407
Cr 267.716	-0.0444u	-0.4010u	-0.1622u
Cu 324.754	-0.0983u	-0.6337u	-0.4959u
Fe 271.441	-2.6084u	-3.0789u	4.0142
K 766.491	-0.8079u	-0.2288u	-0.3917u
Mg 279.078	-0.7155u	-0.2080u	1.2654
Mn 257.610	-0.0619u	-0.1138u	-0.0916u
Mo 202.032	-0.5996u	-0.6631u	-0.3163u
Na 330.237	17.7322	79.0618	63.9424
Ni 231.604	0.7858	-1.9926u	1.2163
Pb 220.353	0.9245	2.4424	1.2163
Sb 206.834	-1.3052u	4.6224	8.3649
Se 196.026	-4.0414u	8.1493	-4.8837u
Sn 189.925	-1.1609u	0.4115	-1.1310u
Sr 216.596	-0.1494u	-0.3176u	-0.4433u
Ti 334.941	-0.1643u	-0.1363u	-0.1650u
Tl 190.794	1.1528	-0.2929u	-0.3314u
V 292.401	0.7874	0.4428	0.1583
Zn 206.200	0.6443	0.8512	-0.2071u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3505	ppb	0.2952	84.2	-56.4915	-0.35050
Al 308.215	-1.3173	ppb	2.0836	158.2	236.117	-1.31730
As 188.980	-2.6885	ppb	6.5025	241.9	0.6115	-2.68845
B 249.678	29.4664	ppb	5.2185	17.7	628.279	29.46644
Ba 389.178	-0.7073	ppb	0.1048	14.8	-35.3067	-0.70725
Be 313.042	-0.0314	ppb	0.0080	25.6	-233.285	-0.03135
Ca 370.602	-0.6824	ppb	1.437	210.5	-5.602	-0.68238
Cd 226.502	-0.1331	ppb	0.0907	68.1	8.2512	-0.13311
Co 228.615	0.2352	ppb	0.4760	202.3	16.3830	0.23523
Cr 267.716	-0.2025	ppb	0.1817	89.7	0.9294	-0.20253
Cu 324.754	-0.4093	ppb	0.2780	67.9	87.9866	-0.40928
Fe 271.441	-0.5577	ppb	3.9663	711.2	1.5299	-0.55769
K 766.491	-0.4761	ppb	0.2986	62.7	201.907	-0.47611
Mg 279.078	0.1140	ppb	1.0290	902.8	22.0370	0.11397
Mn 257.610	-0.0891	ppb	0.0260	29.2	51.4503	-0.08912
Mo 202.032	-0.5263	ppb	0.1846	35.1	11.8802	-0.52632
Na 330.237	53.5788	ppb	31.9513	59.6	-1.0857	53.57880
Ni 231.604	0.0032	ppb	1.7417	54709.1	0.9573	0.00318
Pb 220.353	1.5277	ppb	0.8054	52.7	4.9341	1.52775
Sb 206.834	3.8941	ppb	4.8760	125.2	5.0116	3.89405
Se 196.026	-0.2586	ppb	7.2936	2820.2	0.0488	-0.25862
Sn 189.925	-0.6268	ppb	0.8994	143.5	0.3399	-0.62681
Sr 216.596	-0.3034	ppb	0.1475	48.6	7.6398	-0.30342
Ti 334.941	-0.1552	ppb	0.0164	10.5	-69.6616	-0.15521
Tl 190.794	0.1761	ppb	0.8460	480.3	-0.1419	0.17614
V 292.401	0.4628	ppb	0.3150	68.1	7.1325	0.46283
Zn 206.200	0.4295	ppb	0.5609	130.6	3.4127	0.42947

680-88252-a-1-f msd (Samp) 3/28/2013, 1:05:39 AM Rack 2, Tube 39

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.8795	1.9314	2.2137
Al 308.215	266.937	264.745	268.565
As 188.980	9.4390	7.3470	7.4551
B 249.678	48.7187	47.5227	46.3894
Ba 389.178	8.1373	7.7712	7.4679
Be 313.042	2.6341	2.6232	2.6339
Ca 370.602	2617	2593	2623
Cd 226.502	2.6214	2.4156	2.4771
Co 228.615	2.2324	1.6405	3.0111
Cr 267.716	6.0481	6.3846	6.4149
Cu 324.754	5.2693	5.0370	5.3991
Fe 271.441	278.904	273.375	277.152
K 766.491	2453.43	2442.43	2474.90
Mg 279.078	2558.65	2547.54	2568.22
Mn 257.610	29.6373	29.3844	29.6295
Mo 202.032	5.0224	4.6671	3.5541
Na 330.237	46202.3	46350.9	46532.2
Ni 231.604	5.0918	5.9770	6.9115
Pb 220.353	3.8706	2.7396	2.0200
Sb 206.834	4.3928	3.6054	2.8935
Se 196.026	9.0996	-6.3844u	-1.2683u
Sn 189.925	1.3158	5.2775	0.7015
Sr 216.596	28.6618	26.9411	26.6108
Ti 334.941	20.0735	19.9605	19.9374
Tl 190.794	3.7250	-0.4185u	5.5771
V 292.401	6.9264	6.9611	7.4348
Zn 206.200	5.7599	5.2571	6.0086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0082	ppb	0.1799	9.0	107.306
Al 308.215	266.749	ppb	1.9170	0.7	1771.46
As 188.980	8.0804	ppb	1.1779	14.6	6.4736
B 249.678	47.5436	ppb	1.1648	2.4	793.597
Ba 389.178	7.7921	ppb	0.3352	4.3	175.423
Be 313.042	2.6304	ppb	0.0062	0.2	4913.70
Ca 370.602	2611	ppb	15.90	0.6	8406
Cd 226.502	2.5047	ppb	0.1056	4.2	102.583
Co 228.615	2.2946	ppb	0.6874	30.0	40.3001
Cr 267.716	6.2825	ppb	0.2036	3.2	272.894
Cu 324.754	5.2351	ppb	0.1834	3.5	360.656
Fe 271.441	276.477	ppb	2.8256	1.0	466.352
K 766.491	2456.92	ppb	16.5173	0.7	120808
Mg 279.078	2558.14	ppb	10.3504	0.4	5231.65
Mn 257.610	29.5504	ppb	0.1438	0.5	6786.96
Mo 202.032	4.4145	ppb	0.7661	17.4	43.7551
Na 330.237	46361.8	ppb	165.212	0.4	2350.21
Ni 231.604	5.9934	ppb	0.9100	15.2	15.1222
Pb 220.353	2.8767	ppb	0.9329	32.4	7.0880
Sb 206.834	3.6306	ppb	0.7500	20.7	4.7825
Se 196.026	0.4823	ppb	7.8891	1635.7	0.3960
Sn 189.925	2.4316	ppb	2.4837	102.1	2.6689
Sr 216.596	27.4046	ppb	1.1013	4.0	268.716
Ti 334.941	19.9905	ppb	0.0728	0.4	5075.33
Tl 190.794	2.9612	ppb	3.0699	103.7	1.6599
V 292.401	7.1074	ppb	0.2840	4.0	188.495
Zn 206.200	5.6752	ppb	0.3828	6.7	813.3736

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680-88252-a-2-b^20 (Samp) 3/28/2013, 1:11:05 AM Rack 2, Tube 40
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5420u	-1.4754u	-1.1361u
Al 308.215	114.559	114.893	112.435
As 188.980	-7.0811u	-3.3648u	6.8406
B 249.678	41.9893	41.1942	39.6031
Ba 389.178	-0.6297	-0.7112	-0.9892
Be 313.042	0.0546	0.0737	0.0660
Ca 370.602	18334	18239	18170
Cd 226.502	-0.0929	-0.3553	-0.3992
Co 228.615	0.1167	0.8106	1.0016
Cr 267.716	-0.2408u	0.0309	0.1023
Cu 324.754	-0.3861u	-0.4954u	-0.5804u
Fe 271.441	20282.9	20163.1	20160.9
K 766.491	6646.45	6628.80	6630.67
Mg 279.078	21201.4	21116.6	21052.9
Mn 257.610	917.297	912.422	910.632
Mo 202.032	-0.7786u	-1.4325u	-0.7984u
Na 330.237	148964x	147388x	147992x
Ni 231.604	1.4314	0.9102	-1.8303u
Pb 220.353	-0.4285u	3.6219	1.2098
Sb 206.834	3.9422	-0.2128	-1.0687u
Se 196.026	5.4460	5.7131	4.0469
Sn 189.925	-0.2488u	-1.6988u	-1.7076u
Sr 216.596	104.135	101.853	100.620
Ti 334.941	-0.3679u	-0.5225u	-0.5220u
Tl 190.794	-1.5058u	9.0890	6.4329
V 292.401	0.6937	0.2300	-0.2992u
Zn 206.200	4.6112	3.0024	5.4907

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0512b	ppb	0.4725	44.9	-106.297
Al 308.215	113.963b	ppb	1.3335	1.2	896.077
As 188.980	-1.2018b	ppb	7.2085	599.8	1.3726
B 249.678	40.9288b	ppb	1.2150	3.0	714.797
Ba 389.178	-0.7767b	ppb	0.1885	24.3	49.6829
Be 313.042	0.0648b	ppb	0.0096	14.9	-60.3751
Ca 370.602	18248b	ppb	82.65	0.5	57256
Cd 226.502	-0.2825b	ppb	0.1656	58.6	49.3159
Co 228.615	0.6430b	ppb	0.4657	72.4	20.3832
Cr 267.716	-0.0359b	ppb	0.1811	504.8	17.8377
Cu 324.754	-0.4873b	ppb	0.0974	20.0	89.9934
Fe 271.441	20202.3b	ppb	69.8428	0.3	33861.7
K 766.491	6635.31b	ppb	9.6984	0.1	325879
Mg 279.078	21123.6b	ppb	74.5251	0.4	43035.1
Mn 257.610	913.450b	ppb	3.4495	0.4	207372
Mo 202.032	-1.0032b	ppb	0.3719	37.1	7.8993
Na 330.237	148115xb	ppb	795.466	0.5	7511.56
Ni 231.604	0.1704b	ppb	1.7521	1028.0	1.7305
Pb 220.353	1.4677b	ppb	2.0375	138.8	5.0275
Sb 206.834	0.8869b	ppb	2.6803	302.2	2.5881
Se 196.026	5.0686b	ppb	0.8949	17.7	2.7549
Sn 189.925	-1.2184b	ppb	0.8397	68.9	-0.0522
Sr 216.596	102.203b	ppb	1.7834	1.7	981.972
Ti 334.941	-0.4708b	ppb	0.0891	18.9	-71.9186
Tl 190.794	4.6720b	ppb	5.5125	118.0	1.2557
V 292.401	0.2082b	ppb	0.4968	238.6	-0.7119
Zn 206.200	4.3681b	ppb	1.2619	28.8	0.5253

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88252-a-3-b^20 (Samp) 3/28/2013, 1:16:30 AM Rack 2, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1208u	-1.0118u	-0.4456u
Al 308.215	0.4319	1.1233	0.4240
As 188.980	-1.9459u	-9.6369u	-2.4867u
B 249.678	-11.0637u	-11.5962u	-13.3054u
Ba 389.178	8.4227	7.5259	9.6369
Be 313.042	-0.0330u	-0.0447u	-0.0305u
Ca 370.602	8474	8471	8429
Cd 226.502	-0.0535u	-0.2967u	0.0693
Co 228.615	-0.0595u	0.0709	-0.2374u
Cr 267.716	-0.2097u	-0.1404u	-0.3478u
Cu 324.754	-0.2461u	-0.4817u	-0.9046u
Fe 271.441	1.0026	7.7837	10.1595
K 766.491	1164.11	1163.17	1159.41
Mg 279.078	2547.48	2544.40	2541.08
Mn 257.610	15.1204	15.0953	15.0597
Mo 202.032	-1.2172u	-0.2989u	-1.0559u
Na 330.237	37996.0	38373.7	38254.2
Ni 231.604	0.2913	1.6825	1.2585
Pb 220.353	0.3667	3.3521	-3.9852u
Sb 206.834	-0.0844u	2.9248	1.6202
Se 196.026	-0.8384u	2.6126	4.6295
Sn 189.925	-0.9412u	-7.5576u	-3.7888u
Sr 216.596	85.2914	84.5553	84.8913
Ti 334.941	-0.2213u	-0.2468u	-0.2665u
Tl 190.794	2.1532	1.5611	-1.1377u
V 292.401	0.5487	0.5482	0.0433
Zn 206.200	-1.1184u	0.8735	-0.0873u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8594	ppb	0.3624	42.2	-95.6060
Al 308.215	0.6597	ppb	0.4015	60.9	247.382
As 188.980	-4.6898	ppb	4.2928	91.5	-0.4126
B 249.678	-11.9884	ppb	1.1712	9.8	248.583
Ba 389.178	8.5285	ppb	1.0595	12.4	192.563
Be 313.042	-0.0361	ppb	0.0075	20.9	-244.142
Ca 370.602	8458	ppb	25.16	0.3	27298
Cd 226.502	-0.0936	ppb	0.1862	198.9	9.4982
Co 228.615	-0.0754	ppb	0.1547	205.3	12.8433
Cr 267.716	-0.2326	ppb	0.1056	45.4	0.3355
Cu 324.754	-0.5441	ppb	0.3336	61.3	81.4674
Fe 271.441	6.3153	ppb	4.7518	75.2	13.0073
K 766.491	1162.23	ppb	2.4893	0.2	57266.2
Mg 279.078	2544.32	ppb	3.2004	0.1	5203.76
Mn 257.610	15.0918	ppb	0.0305	0.2	3507.70
Mo 202.032	-0.8573	ppb	0.4903	57.2	9.7429
Na 330.237	38208.0	ppb	193.019	0.5	1936.43
Ni 231.604	1.0774	ppb	0.7131	66.2	3.4968
Pb 220.353	-0.0888	ppb	3.6898	4155.2	2.3372
Sb 206.834	1.4869	ppb	1.5090	101.5	2.7170
Se 196.026	2.1345	ppb	2.7651	129.5	1.1492
Sn 189.925	-4.0959	ppb	3.3189	81.0	-2.2675
Sr 216.596	84.9127	ppb	0.3685	0.4	811.039
Ti 334.941	-0.2449	ppb	0.0227	9.3	-84.8297
Tl 190.794	0.8588	ppb	1.7542	204.3	0.2937
V 292.401	0.3800	ppb	0.2917	76.7	4.6664
Zn 206.200	-0.1107	ppb	0.9962	899.5	2.6605

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680-88252-a-4-b^20 (Samp) 3/28/2013, 1:22:07 AM Rack 2, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8120u	-1.1948u	-0.9241u
Al 308.215	4.4594	1.1050	1.9928
As 188.980	-2.0279u	-6.5795u	-2.4716u
B 249.678	95.9537	98.2071	97.3716
Ba 389.178	1.4104	-0.3593	0.2444
Be 313.042	-0.0315u	-0.0348u	-0.0287u
Ca 370.602	13908	13940	13928
Cd 226.502	-0.0591u	0.2884	-0.0740u
Co 228.615	-0.5499u	-0.0663u	0.0476
Cr 267.716	-0.2825u	-0.3564u	-0.4349u
Cu 324.754	0.0158	-0.8671u	0.1164
Fe 271.441	591.949	609.708	601.598
K 766.491	6595.60	6611.96	6585.27
Mg 279.078	21146.6	21239.6	21247.5
Mn 257.610	790.656	793.563	794.582
Mo 202.032	-0.5660u	-0.8545u	-1.4869u
Na 330.237	119116x	119839x	119237x
Ni 231.604	-1.4501u	-0.3759u	-2.6146u
Pb 220.353	2.3307	2.1596	0.6083
Sb 206.834	1.6166	-6.2097u	-1.7958u
Se 196.026	-12.1200u	-7.4119u	3.7410
Sn 189.925	-3.0811u	-4.0622u	1.0864
Sr 216.596	193.728	192.619	194.576
Ti 334.941	-0.5040u	-0.5982u	-0.5976u
Tl 190.794	9.0529	2.2758	-0.7410u
V 292.401	-0.1026u	0.1700	0.0215
Zn 206.200	-0.4575u	0.8847	-0.1920u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9770b	ppb	0.1968	20.1	-105.408
Al 308.215	2.5191b	ppb	1.7380	69.0	258.039
As 188.980	-3.6930b	ppb	2.5096	68.0	0.1636
B 249.678	97.1775b	ppb	1.1392	1.2	1247.91
Ba 389.178	0.4318b	ppb	0.8996	208.3	50.1268
Be 313.042	-0.0317b	ppb	0.0031	9.7	-244.801
Ca 370.602	13925b	ppb	16.20	0.1	44919
Cd 226.502	0.0518b	ppb	0.2051	396.1	15.8495
Co 228.615	-0.1895b	ppb	0.3173	167.4	11.5173
Cr 267.716	-0.3579b	ppb	0.0762	21.3	-0.5674
Cu 324.754	-0.2450b	ppb	0.5411	220.9	96.0885
Fe 271.441	601.085b	ppb	8.8908	1.5	1009.91
K 766.491	6597.61b	ppb	13.4588	0.2	324029
Mg 279.078	21211.3b	ppb	56.0971	0.3	43212.0
Mn 257.610	792.933b	ppb	2.0375	0.3	179992
Mo 202.032	-0.9691b	ppb	0.4710	48.6	8.9949
Na 330.237	119397xb	ppb	387.601	0.3	6059.10
Ni 231.604	-1.4802b	ppb	1.1196	75.6	-2.5377
Pb 220.353	1.6995b	ppb	0.9489	55.8	5.3768
Sb 206.834	-2.1296b	ppb	3.9238	184.2	-0.7249
Se 196.026	-5.2637b	ppb	8.1458	154.8	-2.0617
Sn 189.925	-2.0190b	ppb	2.7337	135.4	-0.6682
Sr 216.596	193.641b	ppb	0.9817	0.5	1835.83
Ti 334.941	-0.5666b	ppb	0.0542	9.6	-95.9159
Tl 190.794	3.5292b	ppb	5.0158	142.1	1.2832
V 292.401	0.0296b	ppb	0.1365	461.0	-5.4086
Zn 206.200	0.0784b	ppb	0.7108	796.6	2.9908

680-88252-a-5-b^20 (Samp) 3/28/2013, 1:27:33 AM Rack 2, Tube 43
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5838u	-1.3016u	-1.0851u
Al 308.215	2.6787	2.1385	4.5457
As 188.980	-5.4873u	-7.9985u	-5.1690u
B 249.678	57.2456	59.6586	58.8080
Ba 389.178	-0.6082	-0.8457	-0.9292
Be 313.042	-0.0353u	-0.0371u	-0.0331u
Ca 370.602	30997	31007	31038
Cd 226.502	0.0458	-0.1025u	-0.0570u
Co 228.615	0.3443	-0.5884u	-0.1722u
Cr 267.716	-0.2037u	-0.4123u	-0.4322u
Cu 324.754	-0.3053u	-0.7397u	-0.9051u
Fe 271.441	633.685	647.871	648.861
K 766.491	5997.26	5983.15	5965.27
Mg 279.078	55713.2	55788.9	55855.1
Mn 257.610	79.5285	79.5289	79.6750
Mo 202.032	-1.6779u	-0.8438u	-1.4429u
Na 330.237	215959x	214329x	213471x
Ni 231.604	-2.5461u	-1.8724u	-1.1237u
Pb 220.353	1.9393	1.4534	-0.7332u
Sb 206.834	1.5702	-1.7091u	-4.6068u
Se 196.026	-3.6996u	13.6693	0.3362
Sn 189.925	-2.3221u	-3.8326u	-6.2848u
Sr 216.596	597.628	598.009	601.405
Ti 334.941	-1.0628u	-1.0519u	-1.0470u
Tl 190.794	-5.1743u	4.5050	-3.5106u
V 292.401	-0.4829u	0.1522	-0.2931u
Zn 206.200	1.1189	-0.1349	1.3870

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9902b	ppb	0.3682	37.2	-127.003
Al 308.215	3.1210b	ppb	1.2631	40.5	261.485
As 188.980	-6.2183b	ppb	1.5499	24.9	-1.0820
B 249.678	58.5707b	ppb	1.2239	2.1	894.266
Ba 389.178	-0.7944b	ppb	0.1666	21.0	114.242
Be 313.042	-0.0352b	ppb	0.0020	5.6	-258.134
Ca 370.602	31014b	ppb	21.12	0.1	100056
Cd 226.502	-0.0379b	ppb	0.0760	200.5	12.6502
Co 228.615	-0.1388b	ppb	0.4673	336.7	12.0996
Cr 267.716	-0.3494b	ppb	0.1266	36.2	-1.3761
Cu 324.754	-0.6500b	ppb	0.3098	47.7	76.5440
Fe 271.441	643.472b	ppb	8.4906	1.3	1080.94
K 766.491	5981.89b	ppb	16.0340	0.3	293810
Mg 279.078	55785.7b	ppb	70.9785	0.1	113643
Mn 257.610	79.5775b	ppb	0.0845	0.1	18423.3
Mo 202.032	-1.3215b	ppb	0.4301	32.5	6.7185
Na 330.237	214586xb	ppb	1264.29	0.6	10892.8
Ni 231.604	-1.8474b	ppb	0.7115	38.5	-3.4049
Pb 220.353	0.8865b	ppb	1.4235	160.6	3.9199
Sb 206.834	-1.5819b	ppb	3.0905	195.4	-0.2004
Se 196.026	3.4353b	ppb	9.0897	264.6	1.7622
Sn 189.925	-4.1465b	ppb	2.0000	48.2	-2.2393
Sr 216.596	599.014b	ppb	2.0795	0.3	5655.50
Ti 334.941	-1.0539b	ppb	0.0081	0.8	-84.8590
Tl 190.794	-1.3933b	ppb	5.1753	371.4	-1.2783
V 292.401	-0.2080b	ppb	0.3260	156.8	-12.2895
Zn 206.200	0.7903b	ppb	0.8124	102.8	4.2061

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680-88252-a-6-b (Samp) 3/28/2013, 1:32:58 AM Rack 2, Tube 44
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7152u	-0.0065u	0.2704
Al 308.215	0.2808	2.4737	-1.9203u
As 188.980	-4.6475u	-2.5213u	-6.6610u
B 249.678	-28.8031u	-28.6785u	-29.1560u
Ba 389.178	-0.6001u	0.0912	-0.5868u
Be 313.042	-0.0348u	-0.0339u	-0.0436u
Ca 370.602	3.668	-0.5513u	4.959
Cd 226.502	-0.1572u	-0.0887u	-0.2298u
Co 228.615	0.5489	-0.1759u	-0.4030u
Cr 267.716	-0.1149u	-0.3606u	-0.4501u
Cu 324.754	0.1559	-0.8484u	-0.4789u
Fe 271.441	-2.3133u	-5.7250u	-4.4253u
K 766.491	1.2067	0.7444	0.9338
Mg 279.078	-0.9455u	0.7245	4.2683
Mn 257.610	-0.1973u	-0.2118u	-0.1915u
Mo 202.032	-0.8658u	-1.2724u	-1.5570u
Na 330.237	173.468	159.906	131.345
Ni 231.604	0.1435	-0.5341u	1.5780
Pb 220.353	0.7559	0.3371	-0.6727u
Sb 206.834	-3.4294u	1.1844	1.0155
Se 196.026	-3.9754u	-4.3913u	-5.0604u
Sn 189.925	-1.7499u	-1.1505u	-0.9355u
Sr 216.596	0.4065	-0.6809u	0.1815
Ti 334.941	-0.1820u	-0.2377u	-0.1714u
Tl 190.794	3.9561	-2.4118u	-5.5096u
V 292.401	0.2331	0.2420	0.4807
Zn 206.200	0.3380	-0.8863u	-0.0016u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1505	ppb	0.5083	337.9	-42.5059
Al 308.215	0.2781	ppb	2.1970	790.0	245.163
As 188.980	-4.6099	ppb	2.0701	44.9	-0.4316
B 249.678	-28.8792	ppb	0.2477	0.9	93.8802
Ba 389.178	-0.3652	ppb	0.3953	108.3	-27.1181
Be 313.042	-0.0375	ppb	0.0054	14.3	-245.008
Ca 370.602	2.692	ppb	2.882	107.1	4.882
Cd 226.502	-0.1586	ppb	0.0706	44.5	7.3556
Co 228.615	-0.0100	ppb	0.4971	4966.6	13.5972
Cr 267.716	-0.3085	ppb	0.1736	56.3	-3.4987
Cu 324.754	-0.3905	ppb	0.5079	130.1	88.8790
Fe 271.441	-4.1546	ppb	1.7219	41.4	-4.4549
K 766.491	0.9616	ppb	0.2324	24.2	272.471
Mg 279.078	1.3491	ppb	2.6624	197.3	24.5549
Mn 257.610	-0.2002	ppb	0.0105	5.2	26.2783
Mo 202.032	-1.2317	ppb	0.3474	28.2	7.3260
Na 330.237	154.906	ppb	21.5019	13.9	4.0647
Ni 231.604	0.3958	ppb	1.0784	272.4	1.8856
Pb 220.353	0.1401	ppb	0.7344	524.2	2.7025
Sb 206.834	-0.4098	ppb	2.6164	638.4	0.9077
Se 196.026	-4.4757	ppb	0.5474	12.2	-1.8840
Sn 189.925	-1.2786	ppb	0.4220	33.0	-0.1529
Sr 216.596	-0.0310	ppb	0.5740	1852.8	10.2281
Ti 334.941	-0.1970	ppb	0.0356	18.1	-80.3358
Tl 190.794	-1.3218	ppb	4.8261	365.1	-1.1305
V 292.401	0.3186	ppb	0.1405	44.1	3.3146
Zn 206.200	-0.1833	ppb	0.6321	344.8	2.4838

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680-88252-a-6-bSD^5 (Samp) 3/28/2013, 1:38:24 AM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0658	0.0684	-0.3429u
Al 308.215	0.5811	-1.8638u	0.2699
As 188.980	-2.2975u	-5.4846u	-5.9239u
B 249.678	-32.5723u	-31.8974u	-31.5104u
Ba 389.178	-1.0127u	-0.7964u	0.0843
Be 313.042	-0.0418u	-0.0328u	-0.0401u
Ca 370.602	1.603	0.0447	-2.394u
Cd 226.502	-0.0849u	-0.1127u	-0.0555u
Co 228.615	0.0579	0.2597	0.3318
Cr 267.716	-0.1856u	0.0658	-0.3563u
Cu 324.754	0.1103	0.6042	0.0399
Fe 271.441	3.7319	1.3646	-4.6437u
K 766.491	0.3630	0.1931	0.3240
Mg 279.078	2.4687	1.7137	0.2210
Mn 257.610	-0.0626u	-0.0763u	-0.1257u
Mo 202.032	-1.0674u	-1.0835u	-0.6389u
Na 330.237	215.364	336.982	-36.9312u
Ni 231.604	-0.2451u	0.2153	-1.2707u
Pb 220.353	2.4296	-0.1699u	-1.3463u
Sb 206.834	-3.3409u	5.7676	-2.9236u
Se 196.026	5.6493	-5.1241u	-10.8875u
Sn 189.925	-4.3520u	-3.2544u	-4.0807u
Sr 216.596	-0.0623u	-0.4277u	-0.2409u
Ti 334.941	-0.3136u	-0.2897u	-0.2242u
Tl 190.794	0.7135	0.7585	-6.2890u
V 292.401	0.0204	-0.0700u	0.2892
Zn 206.200	-0.8510u	-0.0182u	-1.1151u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0695	ppb	0.2367	340.4	-36.8600
Al 308.215	-0.3376	ppb	1.3308	394.2	241.661
As 188.980	-4.5687	ppb	1.9791	43.3	-0.4092
B 249.678	-31.9934	ppb	0.5374	1.7	65.3613
Ba 389.178	-0.5750	ppb	0.5811	101.1	-32.1420
Be 313.042	-0.0382	ppb	0.0048	12.4	-246.497
Ca 370.602	-0.2485	ppb	2.015	810.7	-4.234
Cd 226.502	-0.0844	ppb	0.0286	33.9	9.9850
Co 228.615	0.2165	ppb	0.1420	65.6	16.1825
Cr 267.716	-0.1587	ppb	0.2123	133.8	2.7663
Cu 324.754	0.2515	ppb	0.3075	122.3	119.878
Fe 271.441	0.1509	ppb	4.3177	2860.4	2.7101
K 766.491	0.2934	ppb	0.0890	30.3	239.673
Mg 279.078	1.4678	ppb	1.1439	77.9	24.7942
Mn 257.610	-0.0882	ppb	0.0332	37.6	51.6603
Mo 202.032	-0.9300	ppb	0.2522	27.1	9.2749
Na 330.237	171.805	ppb	190.725	111.0	4.9313
Ni 231.604	-0.4335	ppb	0.7607	175.5	-0.0749
Pb 220.353	0.3045	ppb	1.9321	634.6	2.9669
Sb 206.834	-0.1656	ppb	5.1426	3104.7	1.1408
Se 196.026	-3.4541	ppb	8.3939	243.0	-1.4158
Sn 189.925	-3.8957	ppb	0.5717	14.7	-2.1320
Sr 216.596	-0.2436	ppb	0.1827	75.0	8.2284
Ti 334.941	-0.2758	ppb	0.0463	16.8	-100.430
Tl 190.794	-1.6057	ppb	4.0560	252.6	-1.3180
V 292.401	0.0799	ppb	0.1868	233.9	-3.2950
Zn 206.200	-0.6614	ppb	0.5725	86.6	89.17576

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680-88252-a-6-bPDS (Samp) **3/28/2013, 1:43:50 AM** **Rack 2, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.9236	49.5031	50.3020
Al 308.215	1953.03	1934.43	1952.83
As 188.980	2122.23	2130.24	2132.48
B 249.678	1009.93	1010.78	1023.00
Ba 389.178	2058.08	2044.18	2059.26
Be 313.042	50.7931	50.4960	50.8223
Ca 370.602	4988	4950	5002
Cd 226.502	51.0630	50.2714	50.8540
Co 228.615	515.051	513.179	516.401
Cr 267.716	201.950	201.711	202.904
Cu 324.754	252.600	249.356	251.597
Fe 271.441	1016.50	1011.35	1009.54
K 766.491	5173.52	5131.42	5171.03
Mg 279.078	5098.03	5059.50	5101.21
Mn 257.610	518.395	515.005	517.925
Mo 202.032	510.335	511.415	508.661
Na 330.237	4881.44	4881.06	4853.21
Ni 231.604	503.301	501.251	506.505
Pb 220.353	507.814	499.777	511.028
Sb 206.834	497.619	495.630	495.313
Se 196.026	2015.89	2025.76	2009.20
Sn 189.925	1032.28	1028.93	1042.64
Sr 216.596	523.235	518.385	523.048
Ti 334.941	1014.22	1009.60	1019.10
Tl 190.794	2092.62	2090.92	2100.52
V 292.401	507.549	503.445	505.702
Zn 206.200	495.775	494.368	495.577

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.5762	ppb	0.6921	1.4	3416.36
Al 308.215	1946.77	ppb	10.6807	0.5	11448.1
As 188.980	2128.32	ppb	5.3908	0.3	1157.47
B 249.678	1014.57	ppb	7.3137	0.7	9649.96
Ba 389.178	2053.84	ppb	8.3851	0.4	49144.2
Be 313.042	50.7038	ppb	0.1805	0.4	97884.9
Ca 370.602	4980	ppb	27.14	0.5	16193
Cd 226.502	50.7295	ppb	0.4102	0.8	1821.37
Co 228.615	514.877	ppb	1.6183	0.3	5911.30
Cr 267.716	202.188	ppb	0.6310	0.3	8461.07
Cu 324.754	251.184	ppb	1.6609	0.7	12244.3
Fe 271.441	1012.46	ppb	3.6089	0.4	1782.20
K 766.491	5158.66	ppb	23.6226	0.5	253407
Mg 279.078	5086.25	ppb	23.2157	0.5	10372.9
Mn 257.610	517.108	ppb	1.8364	0.4	117360
Mo 202.032	510.137	ppb	1.3879	0.3	3307.89
Na 330.237	4871.90	ppb	16.1926	0.3	231.908
Ni 231.604	503.686	ppb	2.6479	0.5	1191.56
Pb 220.353	506.206	ppb	5.7952	1.1	815.593
Sb 206.834	496.187	ppb	1.2498	0.3	471.088
Se 196.026	2016.95	ppb	8.3286	0.4	924.719
Sn 189.925	1034.62	ppb	7.1466	0.7	783.195
Sr 216.596	521.556	ppb	2.7479	0.5	4900.21
Ti 334.941	1014.31	ppb	4.7498	0.5	258671
Tl 190.794	2094.69	ppb	5.1227	0.2	1382.06
V 292.401	505.565	ppb	2.0555	0.4	13804.0
Zn 206.200	495.240	ppb	0.7615	0.2	753.642

680-88313-a-1-b^20 (Samp) 3/28/2013, 1:49:16 AM Rack 2, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0368u	-1.6045u	0.4947
Al 308.215	0.1967	1.1878	1.3802
As 188.980	-4.2151u	-3.0400u	-3.9229u
B 249.678	14.2707	12.3388	9.6084
Ba 389.178	-0.1319u	-0.9619u	0.5918
Be 313.042	-0.0379u	-0.0439u	-0.0272u
Ca 370.602	9690	9670	9687
Cd 226.502	-0.1316u	-0.1216u	-0.1806u
Co 228.615	-0.0572u	-0.1445u	0.1763
Cr 267.716	0.3471	0.6997	0.7249
Cu 324.754	-0.5417u	0.0011	0.1168
Fe 271.441	10.7117	8.1687	7.8520
K 766.491	853.523	851.551	854.542
Mg 279.078	713.128	709.809	706.783
Mn 257.610	61.1699	61.0233	61.2788
Mo 202.032	-0.9652u	-0.5354u	-0.2262u
Na 330.237	7795.11	7687.24	7623.29
Ni 231.604	0.6360	1.2572	1.3904
Pb 220.353	-0.5338u	-2.0634u	-0.4369u
Sb 206.834	-4.2545u	0.3823	-6.5814u
Se 196.026	6.8148	2.4028	-11.1116u
Sn 189.925	-1.3312u	-3.9588u	-0.8486u
Sr 216.596	44.9557	43.8164	44.2213
Ti 334.941	0.1652	0.2403	0.1233
Tl 190.794	-4.5157u	5.3594	5.2554
V 292.401	1.1155	1.1251	0.8336
Zn 206.200	1.4177	1.1624	1.7902

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3822	ppb	1.0914	285.6	-60.3364
Al 308.215	0.9216	ppb	0.6350	68.9	248.927
As 188.980	-3.7260	ppb	0.6118	16.4	0.1192
B 249.678	12.0726	ppb	2.3425	19.4	468.957
Ba 389.178	-0.1673	ppb	0.7775	464.6	-20.4540
Be 313.042	-0.0363	ppb	0.0085	23.4	-240.525
Ca 370.602	9682	ppb	10.65	0.1	31251
Cd 226.502	-0.1446	ppb	0.0316	21.9	7.8402
Co 228.615	-0.0085	ppb	0.1658	1953.4	13.6045
Cr 267.716	0.5906	ppb	0.2112	35.8	34.4350
Cu 324.754	-0.1413	ppb	0.3516	248.9	100.925
Fe 271.441	8.9108	ppb	1.5677	17.6	17.3702
K 766.491	853.205	ppb	1.5210	0.2	42099.7
Mg 279.078	709.906	ppb	3.1733	0.4	1466.77
Mn 257.610	61.1573	ppb	0.1282	0.2	13943.5
Mo 202.032	-0.5756	ppb	0.3711	64.5	11.5604
Na 330.237	7701.88	ppb	86.8434	1.1	387.290
Ni 231.604	1.0945	ppb	0.4027	36.8	3.5373
Pb 220.353	-1.0113	ppb	0.9124	90.2	0.8619
Sb 206.834	-3.4845	ppb	3.5451	101.7	-2.0285
Se 196.026	-0.6313	ppb	9.3404	1479.5	-0.1079
Sn 189.925	-2.0462	ppb	1.6739	81.8	-0.7272
Sr 216.596	44.3311	ppb	0.5776	1.3	428.902
Ti 334.941	0.1763	ppb	0.0593	33.6	17.2360
Tl 190.794	2.0330	ppb	5.6716	279.0	1.0242
V 292.401	1.0248	ppb	0.1656	16.2	22.4933
Zn 206.200	1.4568	ppb	0.3157	21.7	5.0458

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-2-b^20 (Samp) 3/28/2013, 1:54:42 AM Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1228u	-0.9237u	-0.6794u
Al 308.215	4.0830	2.3605	-0.0409u
As 188.980	0.3037	-5.6420u	-11.9502u
B 249.678	-10.8756u	-12.5047u	-13.5805u
Ba 389.178	0.0747	0.8078	0.0770
Be 313.042	-0.0378u	-0.0507u	-0.0428u
Ca 370.602	28294	28227	28292
Cd 226.502	-0.1255u	-0.1851u	-0.1407u
Co 228.615	-1.1518u	0.1709	0.4557
Cr 267.716	0.2870	-0.1650u	0.1693
Cu 324.754	-1.1842u	-1.0411u	-0.5977u
Fe 271.441	18.6658	22.2758	17.7264
K 766.491	2715.62	2720.73	2723.35
Mg 279.078	1039.81	1036.43	1042.74
Mn 257.610	29.6621	29.6684	29.7186
Mo 202.032	-0.5126u	-1.4225u	-1.0037u
Na 330.237	13011.2	13104.0	13072.1
Ni 231.604	0.8601	1.2221	-2.2094u
Pb 220.353	-1.3397u	-4.2254u	-0.4663u
Sb 206.834	-4.6794u	-5.9594u	0.2692
Se 196.026	6.1788	3.5321	4.2930
Sn 189.925	-4.0157u	-2.3109u	-2.0616u
Sr 216.596	122.086	121.093	122.188
Ti 334.941	-0.0175u	0.0088	-0.0202u
Tl 190.794	2.4729	-1.1025u	-0.1277u
V 292.401	1.3197	1.4305	1.1399
Zn 206.200	-0.1273	0.5331	-0.0984

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5753	ppb	0.4105	71.3	-77.2245
Al 308.215	2.1342	ppb	2.0712	97.0	255.807
As 188.980	-5.7628	ppb	6.1278	106.3	-0.8501
B 249.678	-12.3203	ppb	1.3618	11.1	245.534
Ba 389.178	0.3198	ppb	0.4226	132.1	-7.8940
Be 313.042	-0.0438	ppb	0.0065	14.8	-249.081
Ca 370.602	28271	ppb	38.19	0.1	91252
Cd 226.502	-0.1504	ppb	0.0310	20.6	7.6276
Co 228.615	-0.1750	ppb	0.8578	490.0	11.7089
Cr 267.716	0.0971	ppb	0.2345	241.5	13.7722
Cu 324.754	-0.9410	ppb	0.3058	32.5	62.3007
Fe 271.441	19.5560	ppb	2.4018	12.3	35.2161
K 766.491	2719.90	ppb	3.9332	0.1	133715
Mg 279.078	1039.66	ppb	3.1549	0.3	2138.89
Mn 257.610	29.6830	ppb	0.0310	0.1	6808.52
Mo 202.032	-0.9796	ppb	0.4554	46.5	8.9512
Na 330.237	13062.5	ppb	47.1235	0.4	659.512
Ni 231.604	-0.0424	ppb	1.8854	4442.9	0.8499
Pb 220.353	-2.0105	ppb	1.9673	97.9	-0.7515
Sb 206.834	-3.4565	ppb	3.2895	95.2	-2.0015
Se 196.026	4.6680	ppb	1.3626	29.2	2.3137
Sn 189.925	-2.7960	ppb	1.0636	38.0	-1.2855
Sr 216.596	121.789	ppb	0.6049	0.5	1160.14
Ti 334.941	-0.0096	ppb	0.0160	166.8	-29.2007
Tl 190.794	0.4142	ppb	1.8482	446.2	-0.0140
V 292.401	1.2967	ppb	0.1467	11.3	30.0524
Zn 206.200	0.1025	ppb	0.3732	264.1	3.1393

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 2:00:08 AM Rack 2, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	498.078	495.540	493.732
Al 308.215	4950.15	4961.33	4972.54
As 188.980	460.783	465.009	473.552
B 249.678	2477.66	2505.22	2524.54
Ba 389.178	4882.29	4895.31	4905.98
Be 313.042	487.249	488.873	489.069
Ca 370.602	4882	4909	4905
Cd 226.502	487.214	488.385	488.071
Co 228.615	491.957	491.381	493.892
Cr 267.716	4881.48	4892.66	4904.04
Cu 324.754	4789.28	4856.50	4877.28
Fe 271.441	4921.17	4926.56	4937.44
K 766.491	9901.38	9955.71	9974.74
Mg 279.078	4871.07	4875.28	4883.20
Mn 257.610	4934.03	4945.51	4953.54
Mo 202.032	482.781	486.343	485.858
Na 330.237	7585.11	7520.52	7387.07
Ni 231.604	2445.95	2457.48	2463.09
Pb 220.353	488.715	486.904	482.513
Sb 206.834	905.160	906.787	912.026
Se 196.026	4804.16	4820.78	4845.72
Sn 189.925	4958.13	4963.17	4949.84
Sr 216.596	2435.82	2439.85	2445.91
Ti 334.941	491.869	494.046	494.344
Tl 190.794	4907.09	4929.02	4922.21
V 292.401	4889.81	4909.47	4910.49
Zn 206.200	2436.14	2428.30	2447.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.783	ppb	2.1835	0.4	34567.4	99.15667
Al 308.215	4961.34	ppb	11.1931	0.2	28626.5	99.22680
As 188.980	466.448	ppb	6.5049	1.4	255.191	93.28956
B 249.678	2502.47	ppb	23.5614	0.9	23274.3	100.09895
Ba 389.178	4894.53	ppb	11.8650	0.2	117130	97.89051
Be 313.042	488.397	ppb	0.9993	0.2	945061	97.67943
Ca 370.602	4899	ppb	14.80	0.3	15676	97.97040
Cd 226.502	487.890	ppb	0.6062	0.1	17392.5	97.57800
Co 228.615	492.410	ppb	1.3155	0.3	5654.04	98.48202
Cr 267.716	4892.73	ppb	11.2824	0.2	204523	97.85457
Cu 324.754	4841.02	ppb	45.9950	1.0	233807	96.82039
Fe 271.441	4928.39	ppb	8.2833	0.2	8382.30	98.56783
K 766.491	9943.94	ppb	38.0668	0.4	488263	99.43945
Mg 279.078	4876.52	ppb	6.1590	0.1	9877.06	97.53030
Mn 257.610	4944.36	ppb	9.8059	0.2	1121277	98.88718
Mo 202.032	484.994	ppb	1.9320	0.4	3138.01	96.99884
Na 330.237	7497.56	ppb	100.997	1.3	353.823	99.96753
Ni 231.604	2455.51	ppb	8.7392	0.4	5805.27	98.22033
Pb 220.353	486.044	ppb	3.1894	0.7	784.340	97.20883
Sb 206.834	907.991	ppb	3.5875	0.4	912.736	90.79910
Se 196.026	4823.55	ppb	20.9166	0.4	2212.10	96.47108
Sn 189.925	4957.04	ppb	6.7270	0.1	3749.34	99.14090
Sr 216.596	2440.53	ppb	5.0788	0.2	22948.1	97.62109
Ti 334.941	493.420	ppb	1.3508	0.3	125828	98.68391
Tl 190.794	4919.44	ppb	11.2248	0.2	3243.65	98.38884
V 292.401	4903.26	ppb	11.6583	0.2	134474	98.06514
Zn 206.200	2437.46	ppb	9.8962	0.4	2686.71	97.49860

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/28/2013, 2:05:33 AM Rack 2, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7496u	-0.4652u	-0.3037u
Al 308.215	0.5938	-1.7145u	-0.5887u
As 188.980	-5.3819u	-5.9563u	-0.4674u
B 249.678	33.6800	28.1810	21.3147
Ba 389.178	-0.0364u	0.3872	-0.7953u
Be 313.042	-0.0334u	-0.0372u	-0.0332u
Ca 370.602	-4.137u	-2.556u	2.053
Cd 226.502	-0.1206u	-0.0909u	-0.1826u
Co 228.615	0.0659	-0.7674u	-0.1252u
Cr 267.716	-0.2865u	-0.3749u	-0.3486u
Cu 324.754	0.0928	-0.1203u	-0.1768u
Fe 271.441	6.5390	-1.5414u	-6.7505u
K 766.491	-0.1314u	-0.5881u	-0.5725u
Mg 279.078	-1.9941u	1.1957	1.4580
Mn 257.610	-0.1388u	-0.1322u	-0.1414u
Mo 202.032	0.1375	0.5315	-0.7188u
Na 330.237	251.827	-72.5277u	223.537
Ni 231.604	-1.0549u	0.8407	-0.1845u
Pb 220.353	-1.0226u	-0.1259u	-2.8544u
Sb 206.834	3.0122	3.1978	-5.3161u
Se 196.026	-12.7331u	4.1067	-13.1310u
Sn 189.925	2.2495	-3.7090u	-2.3562u
Sr 216.596	-1.0181u	-0.1266u	-0.1344u
Ti 334.941	-0.1663u	-0.1011u	-0.1363u
Tl 190.794	3.0010	-3.0019u	-0.5943u
V 292.401	0.2916	0.6406	0.4455
Zn 206.200	0.3293	0.5280	-0.0578u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5062	ppb	0.2258	44.6	-67.3761	-0.50618
Al 308.215	-0.5698	ppb	1.1543	202.6	240.452	-0.56982
As 188.980	-3.9352	ppb	3.0169	76.7	-0.0655	-3.93518
B 249.678	27.7252	ppb	6.1952	22.3	612.329	27.72523
Ba 389.178	-0.1482	ppb	0.5991	404.3	-21.9239	-0.14818
Be 313.042	-0.0346	ppb	0.0022	6.5	-239.628	-0.03459
Ca 370.602	-1.547	ppb	3.216	207.9	-8.636	-1.54691
Cd 226.502	-0.1314	ppb	0.0468	35.6	8.3200	-0.13136
Co 228.615	-0.2756	ppb	0.4365	158.4	10.5257	-0.27556
Cr 267.716	-0.3367	ppb	0.0454	13.5	-4.6765	-0.33668
Cu 324.754	-0.0681	ppb	0.1422	208.8	104.472	-0.06808
Fe 271.441	-0.5843	ppb	6.6962	1146.0	1.4342	-0.58431
K 766.491	-0.4307	ppb	0.2593	60.2	204.137	-0.43068
Mg 279.078	0.2199	ppb	1.9218	874.1	22.2537	0.21987
Mn 257.610	-0.1374	ppb	0.0048	3.5	40.4976	-0.13745
Mo 202.032	-0.0166	ppb	0.6392	3851.9	15.1709	-0.01660
Na 330.237	134.279	ppb	179.658	133.8	3.0143	134.27893
Ni 231.604	-0.1329	ppb	0.9489	713.9	0.6357	-0.13292
Pb 220.353	-1.3343	ppb	1.3907	104.2	0.3292	-1.33430
Sb 206.834	0.2980	ppb	4.8628	1632.0	1.5697	0.29796
Se 196.026	-7.2525	ppb	9.8393	135.7	-3.1567	-7.25246
Sn 189.925	-1.2719	ppb	3.1237	245.6	-0.1479	-1.27191
Sr 216.596	-0.4264	ppb	0.5125	120.2	6.4821	-0.42636
Ti 334.941	-0.1346	ppb	0.0326	24.2	-64.4121	-0.13460
Tl 190.794	-0.1984	ppb	3.0210	1522.6	-0.3895	-0.19841
V 292.401	0.4593	ppb	0.1749	38.1	6.9659	0.45927
Zn 206.200	0.2665	ppb	0.2979	111.8	3.1661	0.26649

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-3-b^20 (Samp) 3/28/2013, 2:10:59 AM Rack 2, Tube 51
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6760u	-0.5982u	-1.1331u
Al 308.215	2.7278	4.5177	5.6231
As 188.980	-2.1390u	-1.8337u	-0.8516u
B 249.678	304.001	305.505	305.527
Ba 389.178	-0.3358	-0.2563	-0.8032
Be 313.042	-0.0103u	-0.0130u	0.0013u
Ca 370.602	21272	21272	21318
Cd 226.502	-0.0883u	0.1246	-0.0425u
Co 228.615	-0.1958u	1.2795	0.9775
Cr 267.716	-0.3829u	-0.3122u	-0.1515
Cu 324.754	0.2933	-0.3571u	-0.1834u
Fe 271.441	19.9651	16.5810	13.9072
K 766.491	17324.2	17331.8	17418.0
Mg 279.078	54601.9	54557.6	54580.6
Mn 257.610	34.9368	34.8919	34.9600
Mo 202.032	-0.1447u	-0.5659u	-0.9086u
Na 330.237	562036x	562001x	564364x
Ni 231.604	0.5810	1.6004	2.8599
Pb 220.353	0.9536	-0.9928u	1.3994
Sb 206.834	2.0433	-2.9732u	-2.0530u
Se 196.026	8.4523	3.0707	-2.6726u
Sn 189.925	-3.6588u	-0.5483u	-4.1281u
Sr 216.596	226.622	229.462	226.211
Ti 334.941	-0.9197u	-0.8419u	-1.0277u
Tl 190.794	2.7280	1.7318	0.0683
V 292.401	-0.1390u	0.3487	0.4014
Zn 206.200	1.9072	2.5081	1.9018

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8024b	ppb	0.2890	36.0	-98.2573
Al 308.215	4.2895b	ppb	1.4611	34.1	268.238
As 188.980	-1.6081b	ppb	0.6727	41.8	1.3540
B 249.678	305.011b	ppb	0.8747	0.3	3152.02
Ba 389.178	-0.4651b	ppb	0.2955	63.5	117.771
Be 313.042	-0.0073b	ppb	0.0076	103.9	-250.442
Ca 370.602	21287b	ppb	26.17	0.1	68709
Cd 226.502	-0.0021b	ppb	0.1121	5397.0	10.5825
Co 228.615	0.6871b	ppb	0.7794	113.4	21.5569
Cr 267.716	-0.2822b	ppb	0.1186	42.0	6.6292
Cu 324.754	-0.0824b	ppb	0.3367	408.6	103.783
Fe 271.441	16.8178b	ppb	3.0359	18.1	30.7685
K 766.491	17358.0b	ppb	52.1221	0.3	852138
Mg 279.078	54580.1b	ppb	22.1575	0.0	111188
Mn 257.610	34.9295b	ppb	0.0346	0.1	8288.45
Mo 202.032	-0.5397b	ppb	0.3826	70.9	11.7929
Na 330.237	562800xb	ppb	1354.14	0.2	28575.6
Ni 231.604	1.6804b	ppb	1.1415	67.9	4.9225
Pb 220.353	0.4534b	ppb	1.2721	280.6	3.2129
Sb 206.834	-0.9943b	ppb	2.6706	268.6	0.3419
Se 196.026	2.9501b	ppb	5.5634	188.6	1.5279
Sn 189.925	-2.7784b	ppb	1.9455	70.0	-1.0939
Sr 216.596	227.432b	ppb	1.7700	0.8	2154.47
Ti 334.941	-0.9298b	ppb	0.0933	10.0	-83.6595
Tl 190.794	1.5094b	ppb	1.3437	89.0	0.7021
V 292.401	0.2037b	ppb	0.2980	146.3	-3.9039
Zn 206.200	2.1057b	ppb	0.3485	16.5	6.1240

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-4-b^20 (Samp) 3/28/2013, 2:16:25 AM Rack 2, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8913u	-0.6701u	-0.7350u
Al 308.215	5.4355	4.6654	6.2378
As 188.980	-8.8154u	-8.9890u	-3.6421u
B 249.678	356.778	359.903	360.178
Ba 389.178	-1.2991	-0.5232	-0.9236
Be 313.042	-0.0145u	-0.0105u	-0.0089u
Ca 370.602	23051	23034	22976
Cd 226.502	0.2275	0.2001	-0.0027u
Co 228.615	0.7443	0.3701	0.7498
Cr 267.716	-0.3786u	-0.4757u	-0.6188u
Cu 324.754	0.6574	0.5494	0.3859
Fe 271.441	20.3263	14.9018	25.7909
K 766.491	22632.9	22707.6	22744.6
Mg 279.078	59528.8	59399.8	59374.5
Mn 257.610	94.8287	94.7868	94.7743
Mo 202.032	-0.6412u	-1.2123u	-1.3157u
Na 330.237	683803x	675595x	672644x
Ni 231.604	3.9308	0.4922	0.7884
Pb 220.353	-2.1558u	2.6970	1.2236
Sb 206.834	0.5792	1.0808	-0.7489u
Se 196.026	-5.6289u	-1.3908u	2.9167
Sn 189.925	1.8637	-1.2635u	-3.6059u
Sr 216.596	228.964	229.030	228.781
Ti 334.941	-0.9411u	-0.9937u	-0.9709u
Tl 190.794	3.6527	3.6856	2.6019
V 292.401	-0.0075u	-0.2699u	0.4688
Zn 206.200	2.2654	-0.4996u	0.3244

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7655b	ppb	0.1137	14.9	-95.5829
Al 308.215	5.4462b	ppb	0.7863	14.4	274.813
As 188.980	-7.1488b	ppb	3.0382	42.5	-1.6412
B 249.678	358.953b	ppb	1.8890	0.5	3646.10
Ba 389.178	-0.9153b	ppb	0.3880	42.4	120.425
Be 313.042	-0.0113b	ppb	0.0029	25.4	-271.784
Ca 370.602	23020b	ppb	39.62	0.2	74305
Cd 226.502	0.1416b	ppb	0.1258	88.8	15.1307
Co 228.615	0.6214b	ppb	0.2177	35.0	20.8204
Cr 267.716	-0.4910b	ppb	0.1208	24.6	-0.0698
Cu 324.754	0.5309b	ppb	0.1367	25.8	133.385
Fe 271.441	20.3397b	ppb	5.4446	26.8	36.6598
K 766.491	22695.0b	ppb	56.8785	0.3	1114073
Mg 279.078	59434.4b	ppb	82.7219	0.1	121074
Mn 257.610	94.7966b	ppb	0.0285	0.0	21890.4
Mo 202.032	-1.0564b	ppb	0.3633	34.4	8.4578
Na 330.237	677347xb	ppb	5782.04	0.9	34392.4
Ni 231.604	1.7371b	ppb	1.9055	109.7	5.0564
Pb 220.353	0.5883b	ppb	2.4880	422.9	3.4429
Sb 206.834	0.3037b	ppb	0.9454	311.3	1.5848
Se 196.026	-1.3677b	ppb	4.2728	312.4	-0.4374
Sn 189.925	-1.0019b	ppb	2.7441	273.9	0.2877
Sr 216.596	228.925b	ppb	0.1293	0.1	2168.69
Ti 334.941	-0.9686b	ppb	0.0264	2.7	-81.3619
Tl 190.794	3.3134b	ppb	0.6164	18.6	1.8350
V 292.401	0.0638b	ppb	0.3745	586.6	-8.5250
Zn 206.200	0.6967b	ppb	1.4196	203.7	4.0005

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-5-d^20 (Samp) 3/28/2013, 2:21:50 AM Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4420u	-1.5661u	-1.6368u
Al 308.215	0.6878	1.0777	-0.1685u
As 188.980	-5.5693u	-0.3522u	-8.7313u
B 249.678	-11.5476u	-11.8048u	-12.0613u
Ba 389.178	286.766	285.775	284.063
Be 313.042	-0.0433u	-0.0360u	-0.0362u
Ca 370.602	6504	6484	6449
Cd 226.502	-0.1321u	-0.0623u	-0.0766u
Co 228.615	0.1943	0.5074	-0.5757u
Cr 267.716	-0.2776u	-0.2785u	-0.3232u
Cu 324.754	-0.5670u	0.1070	-0.6941u
Fe 271.441	0.5689	2.1492	6.4735
K 766.491	2211.15	2213.44	2204.73
Mg 279.078	1702.48	1702.64	1688.10
Mn 257.610	33.0113	33.0075	32.9035
Mo 202.032	-0.5974u	-0.8280u	-1.4953u
Na 330.237	15286.5	15450.6	15109.5
Ni 231.604	-0.1914u	-1.4439u	0.4426
Pb 220.353	-0.5655u	-0.1341u	-1.9136u
Sb 206.834	2.6314	-0.7791u	-1.9913u
Se 196.026	-8.8766u	-6.2299u	-2.1212u
Sn 189.925	0.2078	-4.4768u	-0.4139u
Sr 216.596	90.2660	91.1291	90.0645
Ti 334.941	-0.2264u	-0.2918u	-0.2602u
Tl 190.794	-2.5633u	-1.7560u	-1.1391u
V 292.401	0.2270	0.2362	0.5278
Zn 206.200	1.2459	-0.5268u	-0.7092u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2150	ppb	0.6703	55.2	-120.619
Al 308.215	0.5323	ppb	0.6375	119.8	246.646
As 188.980	-4.8843	ppb	4.2314	86.6	-0.5329
B 249.678	-11.8046	ppb	0.2568	2.2	250.269
Ba 389.178	285.535	ppb	1.3672	0.5	6818.38
Be 313.042	-0.0385	ppb	0.0041	10.7	-246.924
Ca 370.602	6479	ppb	27.52	0.4	20910
Cd 226.502	-0.0904	ppb	0.0369	40.8	9.7297
Co 228.615	0.0420	ppb	0.5574	1327.5	14.1864
Cr 267.716	-0.2931	ppb	0.0261	8.9	-2.4889
Cu 324.754	-0.3847	ppb	0.4305	111.9	89.1651
Fe 271.441	3.0639	ppb	3.0568	99.8	7.5705
K 766.491	2209.77	ppb	4.5174	0.2	108679
Mg 279.078	1697.74	ppb	8.3511	0.5	3479.19
Mn 257.610	32.9741	ppb	0.0612	0.2	7558.09
Mo 202.032	-0.9736	ppb	0.4663	47.9	8.9926
Na 330.237	15282.2	ppb	170.591	1.1	772.240
Ni 231.604	-0.3976	ppb	0.9600	241.5	0.0102
Pb 220.353	-0.8711	ppb	0.9283	106.6	1.0825
Sb 206.834	-0.0463	ppb	2.3969	5173.9	1.2536
Se 196.026	-5.7426	ppb	3.4040	59.3	-2.4571
Sn 189.925	-1.5610	ppb	2.5443	163.0	-0.3590
Sr 216.596	90.4865	ppb	0.5655	0.6	863.375
Ti 334.941	-0.2595	ppb	0.0327	12.6	-90.3688
Tl 190.794	-1.8195	ppb	0.7142	39.3	-1.4915
V 292.401	0.3303	ppb	0.1710	51.8	3.4857
Zn 206.200	0.0033	ppb	1.0890	37700.7	2.8178

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-5-dSD (Samp) 3/28/2013, 2:27:16 AM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7740u	-0.3439u	-1.2151u
Al 308.215	-0.7936u	-1.1356u	0.3617
As 188.980	-8.8011u	-9.6648u	-3.0985u
B 249.678	-24.9813u	-25.3337u	-26.3682u
Ba 389.178	58.0668	57.4487	55.5071
Be 313.042	-0.0329u	-0.0352u	-0.0342u
Ca 370.602	1301	1293	1278
Cd 226.502	-0.0558u	-0.0227u	0.1336
Co 228.615	0.0603	-0.1185u	-0.1473u
Cr 267.716	-0.0950u	-0.0555u	-0.3096u
Cu 324.754	-0.0452u	0.1987	-0.5166u
Fe 271.441	-0.2310u	-0.7268u	4.0464
K 766.491	443.790	444.811	440.193
Mg 279.078	337.527	344.482	341.814
Mn 257.610	6.4892	6.5339	6.4395
Mo 202.032	-0.7794u	0.0086	-1.4746u
Na 330.237	3348.00	2917.15	3025.03
Ni 231.604	1.3232	-0.7831u	-0.3913u
Pb 220.353	2.4868	0.7760	1.4149
Sb 206.834	4.0984	0.2279	-1.6437u
Se 196.026	-1.4936u	4.5935	2.6239
Sn 189.925	-0.7833u	-1.3800u	1.0406
Sr 216.596	17.9543	17.8490	17.7317
Ti 334.941	-0.2726u	-0.2029u	-0.3729u
Tl 190.794	1.4572	2.7583	0.6926
V 292.401	-0.2145u	0.3852	0.2098
Zn 206.200	-1.6024u	-0.1854u	-0.2248u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7777	ppb	0.4356	56.0	-87.0964
Al 308.215	-0.5225	ppb	0.7846	150.2	240.624
As 188.980	-7.1881	ppb	3.5680	49.6	-1.8219
B 249.678	-25.5611	ppb	0.7209	2.8	124.272
Ba 389.178	57.0075	ppb	1.3357	2.3	1346.59
Be 313.042	-0.0341	ppb	0.0011	3.3	-238.533
Ca 370.602	1291	ppb	11.28	0.9	4162
Cd 226.502	0.0183	ppb	0.1011	551.5	13.6407
Co 228.615	-0.0685	ppb	0.1125	164.2	12.9166
Cr 267.716	-0.1534	ppb	0.1367	89.1	3.0600
Cu 324.754	-0.1211	ppb	0.3636	300.4	101.897
Fe 271.441	1.0295	ppb	2.6244	254.9	4.1856
K 766.491	442.931	ppb	2.4255	0.5	21963.9
Mg 279.078	341.274	ppb	3.5088	1.0	716.801
Mn 257.610	6.4875	ppb	0.0472	0.7	1544.63
Mo 202.032	-0.7484	ppb	0.7421	99.1	10.4465
Na 330.237	3096.73	ppb	224.197	7.2	153.457
Ni 231.604	0.0496	ppb	1.1202	2258.1	1.0672
Pb 220.353	1.5592	ppb	0.8645	55.4	4.9867
Sb 206.834	0.8942	ppb	2.9284	327.5	2.1504
Se 196.026	1.9080	ppb	3.1061	162.8	1.0433
Sn 189.925	-0.3742	ppb	1.2610	337.0	0.5324
Sr 216.596	17.8450	ppb	0.1113	0.6	178.716
Ti 334.941	-0.2828	ppb	0.0855	30.2	-101.024
Tl 190.794	1.6360	ppb	1.0444	63.8	0.8152
V 292.401	0.1268	ppb	0.3083	243.1	-2.0505
Zn 206.200	-0.6709	ppb	0.8970	130.3	893.7539

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680-88313-a-5-dPDS (Samp) 3/28/2013, 2:32:41 AM Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.4592	50.3625	50.4770
Al 308.215	1964.34	1970.93	1972.78
As 188.980	2127.84	2146.24	2137.56
B 249.678	1026.26	1038.94	1046.13
Ba 389.178	2342.64	2340.61	2341.75
Be 313.042	51.1275	51.1062	51.1917
Ca 370.602	11339	11348	11353
Cd 226.502	51.1104	51.0815	51.4900
Co 228.615	520.783	514.079	515.912
Cr 267.716	202.570	202.291	202.633
Cu 324.754	254.721	254.699	254.440
Fe 271.441	1020.21	1021.28	1019.75
K 766.491	7565.29	7538.79	7523.43
Mg 279.078	6797.57	6805.28	6822.07
Mn 257.610	551.316	550.288	552.112
Mo 202.032	513.637	512.429	513.334
Na 330.237	20874.4	20344.3	20279.8
Ni 231.604	507.487	500.582	509.234
Pb 220.353	504.223	510.206	506.756
Sb 206.834	485.230	498.811	502.000
Se 196.026	2010.02	2015.36	2033.20
Sn 189.925	1049.79	1041.14	1046.21
Sr 216.596	611.816	612.233	615.142
Ti 334.941	1021.64	1018.77	1021.09
Tl 190.794	2087.61	2105.25	2112.58
V 292.401	509.597	508.843	509.209
Zn 206.200	502.045	502.076	506.602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4329	ppb	0.0617	0.1	3472.24
Al 308.215	1969.35	ppb	4.4364	0.2	11578.0
As 188.980	2137.22	ppb	9.2064	0.4	1162.35
B 249.678	1037.11	ppb	10.0651	1.0	9856.44
Ba 389.178	2341.67	ppb	1.0173	0.0	56035.9
Be 313.042	51.1418	ppb	0.0445	0.1	98732.0
Ca 370.602	11347	ppb	6.947	0.1	36746
Cd 226.502	51.2273	ppb	0.2280	0.4	1839.05
Co 228.615	516.925	ppb	3.4647	0.7	5934.85
Cr 267.716	202.498	ppb	0.1816	0.1	8474.38
Cu 324.754	254.620	ppb	0.1559	0.1	12410.3
Fe 271.441	1020.41	ppb	0.7808	0.1	1795.78
K 766.491	7542.50	ppb	21.1735	0.3	370403
Mg 279.078	6808.31	ppb	12.5252	0.2	13879.8
Mn 257.610	551.239	ppb	0.9144	0.2	125109
Mo 202.032	513.134	ppb	0.6285	0.1	3327.23
Na 330.237	20499.5	ppb	326.310	1.6	1025.33
Ni 231.604	505.767	ppb	4.5747	0.9	1196.48
Pb 220.353	507.062	ppb	3.0029	0.6	816.963
Sb 206.834	495.347	ppb	8.9053	1.8	470.236
Se 196.026	2019.53	ppb	12.1379	0.6	925.910
Sn 189.925	1045.71	ppb	4.3487	0.4	791.593
Sr 216.596	613.064	ppb	1.8119	0.3	5762.49
Ti 334.941	1020.50	ppb	1.5231	0.1	260257
Tl 190.794	2101.81	ppb	12.8311	0.6	1386.73
V 292.401	509.217	ppb	0.3770	0.1	13903.5
Zn 206.200	503.574	ppb	2.6219	0.5	766.336

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-5-e ms (Samp) 3/28/2013, 2:38:07 AM Rack 2, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0962	1.8140	0.8217
Al 308.215	256.332	256.939	261.014
As 188.980	-0.0996u	0.7895	1.0380
B 249.678	12.2060	9.9370	9.0321
Ba 389.178	286.959	287.508	289.956
Be 313.042	2.6197	2.6502	2.6667
Ca 370.602	6650	6678	6759
Cd 226.502	2.4495	2.7225	2.3515
Co 228.615	2.7224	2.1497	2.9042
Cr 267.716	5.1307	5.1785	4.9067
Cu 324.754	4.2729	5.2091	4.2977
Fe 271.441	278.718	273.740	272.951
K 766.491	2442.73	2447.35	2457.71
Mg 279.078	1938.58	1944.48	1966.59
Mn 257.610	74.9580	75.5326	75.9028
Mo 202.032	5.3053	4.3996	4.7180
Na 330.237	15369.4	15452.6	15646.8
Ni 231.604	5.1090	6.9864	5.6395
Pb 220.353	3.7088	-0.0844u	1.7153
Sb 206.834	0.5420	-2.5654u	5.8928
Se 196.026	10.9003	7.5146	15.4218
Sn 189.925	11.6198	13.0142	12.6971
Sr 216.596	93.8272	93.0907	97.1073
Ti 334.941	5.1773	5.2451	5.3131
Tl 190.794	4.2336	2.8076	6.9223
V 292.401	5.5687	5.8873	5.5160
Zn 206.200	3.9110	4.5980	7.0028

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9106	ppb	0.8623	94.7	27.9703
Al 308.215	258.095	ppb	2.5463	1.0	1722.03
As 188.980	0.5760	ppb	0.5981	103.8	2.4294
B 249.678	10.3917	ppb	1.6351	15.7	453.325
Ba 389.178	288.141	ppb	1.5955	0.6	6881.85
Be 313.042	2.6456	ppb	0.0238	0.9	4948.06
Ca 370.602	6696	ppb	56.86	0.8	21590
Cd 226.502	2.5078	ppb	0.1923	7.7	102.839
Co 228.615	2.5921	ppb	0.3937	15.2	43.2904
Cr 267.716	5.0720	ppb	0.1451	2.9	221.960
Cu 324.754	4.5932	ppb	0.5335	11.6	329.695
Fe 271.441	275.136	ppb	3.1265	1.1	464.042
K 766.491	2449.26	ppb	7.6699	0.3	120432
Mg 279.078	1949.89	ppb	14.7670	0.8	3992.07
Mn 257.610	75.4645	ppb	0.4761	0.6	17195.1
Mo 202.032	4.8077	ppb	0.4594	9.6	46.2960
Na 330.237	15489.6	ppb	142.324	0.9	782.610
Ni 231.604	5.9116	ppb	0.9678	16.4	14.9287
Pb 220.353	1.7799	ppb	1.8974	106.6	5.3401
Sb 206.834	1.2898	ppb	4.2784	331.7	2.5283
Se 196.026	11.2789	ppb	3.9671	35.2	5.3548
Sn 189.925	12.4437	ppb	0.7309	5.9	10.2315
Sr 216.596	94.6751	ppb	2.1383	2.3	902.664
Ti 334.941	5.2452	ppb	0.0679	1.3	1314.55
Tl 190.794	4.6545	ppb	2.0894	44.9	2.7327
V 292.401	5.6573	ppb	0.2009	3.6	148.562
Zn 206.200	5.1706	ppb	1.6235	31.4	10.6440

680-88313-a-5-f msd (Samp) 3/28/2013, 2:43:32 AM Rack 2, Tube 57

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.3360	1.8174	1.3284
Al 308.215	261.706	263.402	263.829
As 188.980	-3.9695u	-3.2292u	-0.5732u
B 249.678	-4.2426u	-4.9285u	-6.4366u
Ba 389.178	294.706	296.170	294.925
Be 313.042	2.6979	2.6987	2.6971
Ca 370.602	6850	6877	6879
Cd 226.502	2.3256	2.7928	2.4631
Co 228.615	2.6224	2.2743	2.8849
Cr 267.716	5.1199	5.1113	5.0852
Cu 324.754	5.2505	4.7167	4.5785
Fe 271.441	275.036	280.686	275.171
K 766.491	2514.12	2507.40	2504.12
Mg 279.078	2002.64	2008.23	2012.48
Mn 257.610	61.4707	61.5540	61.4320
Mo 202.032	5.2260	3.7868	4.4014
Na 330.237	15892.8	15949.6	15631.0
Ni 231.604	4.5614	5.4688	4.1887
Pb 220.353	3.5594	3.9240	0.9975
Sb 206.834	2.2391	-1.9533u	3.4495
Se 196.026	2.5844	3.6405	-1.0588u
Sn 189.925	12.3726	8.5565	8.1385
Sr 216.596	96.1699	97.2035	97.7766
Ti 334.941	5.0118	5.1370	5.1291
Tl 190.794	-1.1598u	1.1802	2.4024
V 292.401	6.0030	5.6143	5.7821
Zn 206.200	5.1009	6.0134	4.6738

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.4939	ppb	0.2802	18.8	68.5742
Al 308.215	262.979	ppb	1.1232	0.4	1749.91
As 188.980	-2.5906	ppb	1.7859	68.9	0.7115
B 249.678	-5.2026	ppb	1.1224	21.6	310.487
Ba 389.178	295.267	ppb	0.7895	0.3	7052.52
Be 313.042	2.6979	ppb	0.0008	0.0	5049.52
Ca 370.602	6869	ppb	16.39	0.2	22148
Cd 226.502	2.5272	ppb	0.2401	9.5	103.547
Co 228.615	2.5938	ppb	0.3063	11.8	43.3286
Cr 267.716	5.1055	ppb	0.0181	0.4	223.311
Cu 324.754	4.8486	ppb	0.3549	7.3	342.010
Fe 271.441	276.964	ppb	3.2235	1.2	467.142
K 766.491	2508.55	ppb	5.0949	0.2	123342
Mg 279.078	2007.78	ppb	4.9354	0.2	4110.21
Mn 257.610	61.4856	ppb	0.0623	0.1	14025.7
Mo 202.032	4.4714	ppb	0.7222	16.2	44.1246
Na 330.237	15824.5	ppb	169.931	1.1	799.615
Ni 231.604	4.7396	ppb	0.6584	13.9	12.1585
Pb 220.353	2.8270	ppb	1.5948	56.4	7.0224
Sb 206.834	1.2451	ppb	2.8352	227.7	2.4927
Se 196.026	1.7220	ppb	2.4655	143.2	0.9714
Sn 189.925	9.6892	ppb	2.3333	24.1	8.1487
Sr 216.596	97.0500	ppb	0.8143	0.8	925.067
Ti 334.941	5.0926	ppb	0.0701	1.4	1275.85
Tl 190.794	0.8076	ppb	1.8101	224.1	0.2070
V 292.401	5.7998	ppb	0.1949	3.4	152.593
Zn 206.200	5.2627	ppb	0.6843	13.0	10.7852

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680-88313-a-6-b^20 (Samp) 3/28/2013, 2:48:58 AM Rack 2, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6419u	-1.0963u	-0.4474u
Al 308.215	0.7557	2.5820	2.8945
As 188.980	-1.2000u	-3.8668u	2.6868
B 249.678	-18.0352u	-18.2027u	-18.1379u
Ba 389.178	256.550	256.086	256.461
Be 313.042	-0.0448u	-0.0334u	-0.0371u
Ca 370.602	6036	6007	6025
Cd 226.502	-0.0266u	-0.0760u	0.0145
Co 228.615	-0.5004u	-0.1971u	0.6072
Cr 267.716	-0.0391u	0.0172	0.0613
Cu 324.754	-1.1299u	-0.3862u	-0.6765u
Fe 271.441	11.8223	16.2665	6.3296
K 766.491	2328.89	2316.88	2321.53
Mg 279.078	2229.57	2215.25	2224.66
Mn 257.610	20.8940	20.6996	20.7970
Mo 202.032	-1.3746u	-1.0190u	-1.0421u
Na 330.237	20575.3	20583.8	20703.0
Ni 231.604	1.8844	2.2017	-0.0223u
Pb 220.353	-1.9881u	-1.6112u	0.3519
Sb 206.834	-2.8217u	4.7739	-1.8509u
Se 196.026	-4.4040u	0.5273	1.8429
Sn 189.925	0.2231	-3.5060u	0.1368
Sr 216.596	79.8891	80.8860	81.3138
Ti 334.941	0.6135	0.6061	0.4448
Tl 190.794	2.3363	1.1457	-2.0607u
V 292.401	0.4165	0.7857	0.7109
Zn 206.200	0.4524	1.2953	0.1518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7285	ppb	0.3330	45.7	-86.2852
Al 308.215	2.0774	ppb	1.1552	55.6	255.477
As 188.980	-0.7933	ppb	3.2957	415.4	1.6847
B 249.678	-18.1253	ppb	0.0844	0.5	192.370
Ba 389.178	256.366	ppb	0.2461	0.1	6121.86
Be 313.042	-0.0384	ppb	0.0058	15.1	-247.584
Ca 370.602	6023	ppb	14.81	0.2	19436
Cd 226.502	-0.0294	ppb	0.0453	154.1	11.8957
Co 228.615	-0.0301	ppb	0.5724	1901.3	13.3862
Cr 267.716	0.0131	ppb	0.0503	383.8	10.3517
Cu 324.754	-0.7309	ppb	0.3748	51.3	72.4478
Fe 271.441	11.4728	ppb	4.9777	43.4	21.6542
K 766.491	2322.44	ppb	6.0555	0.3	114208
Mg 279.078	2223.16	ppb	7.2788	0.3	4549.55
Mn 257.610	20.7969	ppb	0.0972	0.5	4799.67
Mo 202.032	-1.1452	ppb	0.1990	17.4	7.8834
Na 330.237	20620.7	ppb	71.3520	0.3	1043.32
Ni 231.604	1.3546	ppb	1.2029	88.8	4.1520
Pb 220.353	-1.0825	ppb	1.2564	116.1	0.7395
Sb 206.834	0.0338	ppb	4.1337	12235.0	1.3332
Se 196.026	-0.6779	ppb	3.2933	485.8	-0.1386
Sn 189.925	-1.0487	ppb	2.1285	203.0	0.0300
Sr 216.596	80.6963	ppb	0.7310	0.9	771.124
Ti 334.941	0.5548	ppb	0.0953	17.2	119.057
Tl 190.794	0.4738	ppb	2.2742	480.0	0.0338
V 292.401	0.6377	ppb	0.1952	30.6	11.9178
Zn 206.200	0.6331	ppb	0.5928	93.6	3.7691

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88313-a-7-b^20 (Samp) 3/28/2013, 2:54:24 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2300u	-0.6242u	-0.6893u
Al 308.215	41.8422	36.4782	40.7838
As 188.980	-1.3771u	-5.1984u	-0.4021u
B 249.678	12.6459	12.5698	13.4743
Ba 389.178	11.1903	11.2091	11.1927
Be 313.042	0.0251	0.0246	0.0256
Ca 370.602	3527	3508	3529
Cd 226.502	-0.2361u	0.0149	-0.1501u
Co 228.615	0.0954	0.3587	-0.0936u
Cr 267.716	4.9319	4.5817	4.7929
Cu 324.754	-0.3871u	-0.2408u	-0.6520u
Fe 271.441	48.2686	41.9784	41.0361
K 766.491	3299.88	3265.14	3285.36
Mg 279.078	7549.95	7491.80	7547.10
Mn 257.610	13.3136	13.2353	13.3209
Mo 202.032	-0.5206u	-0.7852u	-0.8914u
Na 330.237	122795x	120285x	122127x
Ni 231.604	1.1687	1.2904	2.0524
Pb 220.353	-0.0755u	0.3450	-0.0925u
Sb 206.834	-0.2112u	2.5507	0.2556
Se 196.026	-10.7903u	5.2957	-2.2019u
Sn 189.925	-2.0329u	-0.2379u	1.3445
Sr 216.596	56.8140	55.7027	55.7006
Ti 334.941	36.2707	36.0151	36.3518
Tl 190.794	-8.0087u	-0.5247u	-0.0968u
V 292.401	19.5360	19.1312	19.8452
Zn 206.200	0.4209	0.1125	2.0711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5145b	ppb	0.2485	48.3	-70.2306
Al 308.215	39.7014b	ppb	2.8411	7.2	470.590
As 188.980	-2.3259b	ppb	2.5350	109.0	0.8338
B 249.678	12.8967b	ppb	0.5017	3.9	476.480
Ba 389.178	11.1974b	ppb	0.0103	0.1	269.961
Be 313.042	0.0251b	ppb	0.0005	1.9	-138.666
Ca 370.602	3521b	ppb	11.53	0.3	11367
Cd 226.502	-0.1238b	ppb	0.1275	103.0	8.1146
Co 228.615	0.1202b	ppb	0.2272	189.1	16.0274
Cr 267.716	4.7688b	ppb	0.1763	3.7	210.638
Cu 324.754	-0.4266b	ppb	0.2084	48.9	86.9692
Fe 271.441	43.7610b	ppb	3.9320	9.0	75.9123
K 766.491	3283.46b	ppb	17.4502	0.5	161374
Mg 279.078	7529.62b	ppb	32.7817	0.4	15357.7
Mn 257.610	13.2899b	ppb	0.0474	0.4	3125.99
Mo 202.032	-0.7324b	ppb	0.1910	26.1	10.5157
Na 330.237	121736xb	ppb	1299.84	1.1	6177.73
Ni 231.604	1.5038b	ppb	0.4790	31.8	4.5054
Pb 220.353	0.0590b	ppb	0.2478	420.1	2.5548
Sb 206.834	0.8650b	ppb	1.4784	170.9	2.1697
Se 196.026	-2.5655b	ppb	8.0492	313.7	-1.0053
Sn 189.925	-0.3088b	ppb	1.6898	547.3	0.6218
Sr 216.596	56.0724b	ppb	0.6422	1.1	538.949
Ti 334.941	36.2126b	ppb	0.1757	0.5	9227.42
Tl 190.794	-2.8768b	ppb	4.4496	154.7	-2.1654
V 292.401	19.5041b	ppb	0.3581	1.8	530.319
Zn 206.200	0.8682b	ppb	1.0531	121.3	4.0915

680-88313-a-8-b^20 (Samp) 3/28/2013, 2:59:50 AM Rack 2, Tube 60
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0397u	-0.5620u	-1.1976u
Al 308.215	0.9105	0.7009	2.9130
As 188.980	-3.8347u	-3.8340u	-4.6799u
B 249.678	-10.5892u	-10.1875u	-10.0190u
Ba 389.178	0.2312	0.1881	-0.1482u
Be 313.042	-0.0367u	-0.0324u	-0.0366u
Ca 370.602	9726	9730	9784
Cd 226.502	-0.2127u	-0.4384u	-0.0754u
Co 228.615	0.2012	0.6743	-0.4300u
Cr 267.716	0.5773	0.7634	0.6663
Cu 324.754	-0.4909u	-0.9887u	0.1503
Fe 271.441	4.5585	5.6493	10.2071
K 766.491	857.795	858.250	864.391
Mg 279.078	723.913	726.649	725.118
Mn 257.610	61.8209	61.7813	62.0786
Mo 202.032	-0.1672u	-1.1844u	-0.9694u
Na 330.237	7968.48	7822.41	7843.13
Ni 231.604	-0.0763u	0.4914	-0.0015u
Pb 220.353	-1.1447u	-1.5445u	-0.3135u
Sb 206.834	-4.4768u	-4.0019u	8.4588
Se 196.026	2.8371	3.3798	3.8536
Sn 189.925	-1.8095u	-3.3421u	-4.2324u
Sr 216.596	44.8620	44.6558	45.4973
Ti 334.941	-0.0280u	-0.1261u	-0.1305u
Tl 190.794	1.8810	-0.7851u	2.8781
V 292.401	1.3343	0.9680	1.0703
Zn 206.200	0.1847	1.6697	1.6982

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9331	ppb	0.3309	35.5	-98.8692
Al 308.215	1.5082	ppb	1.2212	81.0	252.228
As 188.980	-4.1162	ppb	0.4882	11.9	-0.0919
B 249.678	-10.2652	ppb	0.2929	2.9	264.368
Ba 389.178	0.0904	ppb	0.2078	229.9	-14.2606
Be 313.042	-0.0352	ppb	0.0024	6.9	-238.331
Ca 370.602	9747	ppb	31.93	0.3	31459
Cd 226.502	-0.2422	ppb	0.1833	75.7	4.3494
Co 228.615	0.1485	ppb	0.5540	373.1	15.4083
Cr 267.716	0.6690	ppb	0.0931	13.9	37.7174
Cu 324.754	-0.4431	ppb	0.5710	128.9	86.3380
Fe 271.441	6.8050	ppb	2.9964	44.0	13.8871
K 766.491	860.145	ppb	3.6842	0.4	42440.3
Mg 279.078	725.227	ppb	1.3712	0.2	1497.96
Mn 257.610	61.8936	ppb	0.1614	0.3	14110.5
Mo 202.032	-0.7737	ppb	0.5361	69.3	10.2818
Na 330.237	7878.01	ppb	79.0384	1.0	396.241
Ni 231.604	0.1378	ppb	0.3085	223.8	1.2758
Pb 220.353	-1.0009	ppb	0.6280	62.7	0.8794
Sb 206.834	-0.0066	ppb	7.3351	110530.5	1.2984
Se 196.026	3.3568	ppb	0.5086	15.2	1.7201
Sn 189.925	-3.1280	ppb	1.2256	39.2	-1.5452
Sr 216.596	45.0050	ppb	0.4386	1.0	435.283
Ti 334.941	-0.0949	ppb	0.0580	61.1	-51.8736
Tl 190.794	1.3247	ppb	1.8939	143.0	0.5564
V 292.401	1.1242	ppb	0.1890	16.8	25.3032
Zn 206.200	1.1842	ppb	0.8657	73.1	4.6328

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Cont Calib Verif (CCV) 3/28/2013, 3:05:16 AM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	495.337	497.375	499.195
Al 308.215	4943.88	4976.90	4966.42
As 188.980	480.024	469.166	469.925
B 249.678	2469.91	2509.11	2525.26
Ba 389.178	4879.37	4912.99	4907.98
Be 313.042	488.378	490.441	489.415
Ca 370.602	4881	4914	4908
Cd 226.502	486.153	488.855	488.227
Co 228.615	491.398	494.314	492.448
Cr 267.716	4895.43	4917.28	4898.56
Cu 324.754	4832.64	4795.63	4824.84
Fe 271.441	4914.87	4960.19	4927.25
K 766.491	9859.82	9944.00	9945.84
Mg 279.078	4869.63	4906.09	4887.19
Mn 257.610	4924.25	4962.90	4941.44
Mo 202.032	484.737	486.788	484.675
Na 330.237	7182.88	7336.93	7225.59
Ni 231.604	2451.94	2466.68	2450.07
Pb 220.353	487.562	487.798	489.528
Sb 206.834	904.747	915.795	915.196
Se 196.026	4815.49	4825.20	4798.35
Sn 189.925	4984.13	4958.33	4973.84
Sr 216.596	2448.35	2455.87	2448.93
Ti 334.941	492.046	494.754	493.166
Tl 190.794	4907.72	4963.07	4952.23
V 292.401	4884.14	4917.25	4906.03
Zn 206.200	2435.32	2454.28	2444.71

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.302	ppb	1.9302	0.4	34673.7	99.46048
Al 308.215	4962.40	ppb	16.8701	0.3	28632.6	99.24801
As 188.980	473.038	ppb	6.0619	1.3	258.769	94.60770
B 249.678	2501.42	ppb	28.4647	1.1	23264.7	100.05698
Ba 389.178	4900.11	ppb	18.1389	0.4	117264	98.00224
Be 313.042	489.411	ppb	1.0318	0.2	947025	97.88228
Ca 370.602	4901	ppb	17.68	0.4	15684	98.02050
Cd 226.502	487.745	ppb	1.4138	0.3	17387.4	97.54900
Co 228.615	492.720	ppb	1.4772	0.3	5657.59	98.54398
Cr 267.716	4903.76	ppb	11.8182	0.2	204984	98.07517
Cu 324.754	4817.71	ppb	19.5119	0.4	232681	96.35412
Fe 271.441	4934.10	ppb	23.4213	0.5	8392.17	98.68205
K 766.491	9916.55	ppb	49.1425	0.5	486919	99.16555
Mg 279.078	4887.64	ppb	18.2350	0.4	9899.72	97.75275
Mn 257.610	4942.86	ppb	19.3642	0.4	1120937	98.85717
Mo 202.032	485.400	ppb	1.2021	0.2	3140.63	97.08002
Na 330.237	7248.46	ppb	79.5343	1.1	341.119	96.64619
Ni 231.604	2456.23	ppb	9.0996	0.4	5806.98	98.24923
Pb 220.353	488.296	ppb	1.0736	0.2	787.962	97.65923
Sb 206.834	911.913	ppb	6.2126	0.7	916.541	91.19128
Se 196.026	4813.01	ppb	13.5922	0.3	2207.27	96.26026
Sn 189.925	4972.10	ppb	12.9915	0.3	3760.72	99.44201
Sr 216.596	2451.05	ppb	4.1806	0.2	23047.2	98.04202
Ti 334.941	493.322	ppb	1.3608	0.3	125803	98.66441
Tl 190.794	4941.01	ppb	29.3333	0.6	3257.88	98.82011
V 292.401	4902.48	ppb	16.8382	0.3	134452	98.04951
Zn 206.200	2444.77	ppb	9.4793	0.4	2697.78	97.79091

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Cont Calib Blank (CCB) 3/28/2013, 3:10:43 AM Rack 3, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3741u	-0.8009u	-0.0909u
Al 308.215	-0.3123u	-0.1568u	-2.1652u
As 188.980	-2.1659u	-2.2033u	2.6122
B 249.678	29.5226	25.4721	19.1580
Ba 389.178	-1.7451u	0.9817	0.1193
Be 313.042	-0.0308u	-0.0379u	-0.0192u
Ca 370.602	7.926	3.823	1.030
Cd 226.502	-0.1219u	-0.2479u	-0.2567u
Co 228.615	-0.8324u	0.5706	-0.1880u
Cr 267.716	-0.0367u	-0.0437u	-0.3126u
Cu 324.754	-0.4151u	0.2401	0.0771
Fe 271.441	-1.2446u	0.2946	1.4840
K 766.491	-0.2696u	0.1449	0.4861
Mg 279.078	3.0268	2.7629	-2.3252u
Mn 257.610	-0.0709u	-0.0563u	0.0415
Mo 202.032	-0.3743u	-0.0921u	-0.3215u
Na 330.237	-64.5744u	183.790	145.003
Ni 231.604	-0.5159u	0.1670	0.0262
Pb 220.353	-1.5787u	2.9333	0.7652
Sb 206.834	-1.1765u	2.2182	4.7320
Se 196.026	-2.6661u	-1.3998u	-2.1759u
Sn 189.925	-1.6963u	-0.9911u	1.3871
Sr 216.596	-0.4657u	-0.2475u	-0.3157u
Ti 334.941	-0.1402u	-0.1302u	-0.1393u
Tl 190.794	4.6395	-4.9804u	-1.0340u
V 292.401	0.2649	0.3483	0.7436
Zn 206.200	0.3431	-0.1416u	1.0035

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4220	ppb	0.3574	84.7	-61.5009	-0.42197
Al 308.215	-0.8781	ppb	1.1174	127.3	238.662	-0.87810
As 188.980	-0.5857	ppb	2.7695	472.8	1.7531	-0.58571
B 249.678	24.7176	ppb	5.2233	21.1	584.783	24.71757
Ba 389.178	-0.2147	ppb	1.3937	649.2	-23.5164	-0.21467
Be 313.042	-0.0293	ppb	0.0094	32.2	-229.324	-0.02928
Ca 370.602	4.260	ppb	3.469	81.4	10.25	4.25997
Cd 226.502	-0.2089	ppb	0.0754	36.1	5.5573	-0.20885
Co 228.615	-0.1500	ppb	0.7023	468.3	11.9686	-0.14996
Cr 267.716	-0.1310	ppb	0.1573	120.1	3.9222	-0.13099
Cu 324.754	-0.0326	ppb	0.3411	1045.6	106.179	-0.03262
Fe 271.441	0.1780	ppb	1.3680	768.6	2.7746	0.17800
K 766.491	0.1205	ppb	0.3784	314.1	231.187	0.12047
Mg 279.078	1.1548	ppb	3.0167	261.2	24.1562	1.15483
Mn 257.610	-0.0286	ppb	0.0611	214.0	65.1897	-0.02855
Mo 202.032	-0.2627	ppb	0.1500	57.1	13.5824	-0.26266
Na 330.237	88.0728	ppb	133.611	151.7	0.6701	88.07279
Ni 231.604	-0.1076	ppb	0.3606	335.3	0.6956	-0.10756
Pb 220.353	0.7066	ppb	2.2566	319.3	3.6128	0.70662
Sb 206.834	1.9246	ppb	2.9652	154.1	3.1280	1.92455
Se 196.026	-2.0806	ppb	0.6385	30.7	-0.7862	-2.08058
Sn 189.925	-0.4334	ppb	1.6156	372.7	0.4862	-0.43344
Sr 216.596	-0.3430	ppb	0.1116	32.5	7.2569	-0.34296
Ti 334.941	-0.1366	ppb	0.0055	4.0	-64.9098	-0.13657
Tl 190.794	-0.4583	ppb	4.8357	1055.1	-0.5609	-0.45832
V 292.401	0.4522	ppb	0.2557	56.5	6.7961	0.45224
Zn 206.200	0.4017	ppb	0.5748	143.1	3.3705	0.40165

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88367-a-1-b^20 (Samp) 3/28/2013, 3:16:09 AM Rack 3, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7057u	-0.7253u	-1.3150u
Al 308.215	3.7145	4.4639	1.2307
As 188.980	-4.3081u	2.8127	3.1946
B 249.678	78.8857	78.6701	78.4658
Ba 389.178	-0.4340	-0.3466	0.6727
Be 313.042	-0.0256u	-0.0273u	-0.0223u
Ca 370.602	6795	6778	6817
Cd 226.502	-0.1046u	-0.1769u	-0.0589u
Co 228.615	0.0006	0.1345	0.5667
Cr 267.716	-0.1082u	-0.3195u	-0.2806u
Cu 324.754	-0.2069u	0.1769	-0.9240u
Fe 271.441	11.1038	8.2857	7.6964
K 766.491	5569.91	5588.98	5615.95
Mg 279.078	8380.51	8354.89	8407.78
Mn 257.610	40.0829	39.9608	40.2809
Mo 202.032	-0.4462u	-1.0821u	-0.6635u
Na 330.237	161888x	162269x	163570x
Ni 231.604	-1.3446u	-1.1217u	-0.5058u
Pb 220.353	-0.9577u	0.0896	-3.5907u
Sb 206.834	-2.0318u	-0.7566u	-0.9148u
Se 196.026	0.2922	0.0112	1.8163
Sn 189.925	-2.1196u	-7.2085u	-0.4602u
Sr 216.596	29.9942	29.3612	30.0585
Ti 334.941	-0.2116u	-0.3071u	-0.2529u
Tl 190.794	-2.9095u	-1.0646u	-1.2408u
V 292.401	0.8743	0.8662	0.6402
Zn 206.200	0.2572	-0.1927u	-0.1954u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9153b	ppb	0.3463	37.8	-97.1900
Al 308.215	3.1364b	ppb	1.6924	54.0	261.620
As 188.980	0.5664b	ppb	4.2257	746.1	2.4285
B 249.678	78.6738b	ppb	0.2100	0.3	1078.97
Ba 389.178	-0.0360b	ppb	0.6153	1709.3	3.4203
Be 313.042	-0.0251b	ppb	0.0025	10.1	-239.010
Ca 370.602	6797b	ppb	19.96	0.3	21936
Cd 226.502	-0.1135b	ppb	0.0595	52.4	8.1951
Co 228.615	0.2340b	ppb	0.2959	126.5	16.3681
Cr 267.716	-0.2361b	ppb	0.1124	47.6	2.2429
Cu 324.754	-0.3180b	ppb	0.5588	175.7	92.3963
Fe 271.441	9.0287b	ppb	1.8212	20.2	17.6117
K 766.491	5591.61b	ppb	23.1341	0.4	274656
Mg 279.078	8381.06b	ppb	26.4477	0.3	17091.5
Mn 257.610	40.1082b	ppb	0.1615	0.4	9211.67
Mo 202.032	-0.7306b	ppb	0.3232	44.2	10.5604
Na 330.237	162576xb	ppb	881.711	0.5	8251.90
Ni 231.604	-0.9907b	ppb	0.4345	43.9	-1.3917
Pb 220.353	-1.4863b	ppb	1.8962	127.6	0.0934
Sb 206.834	-1.2344b	ppb	0.6951	56.3	0.1121
Se 196.026	0.7066b	ppb	0.9713	137.5	0.5005
Sn 189.925	-3.2627b	ppb	3.5164	107.8	-1.5973
Sr 216.596	29.8046b	ppb	0.3854	1.3	291.835
Ti 334.941	-0.2572b	ppb	0.0479	18.6	-72.9291
Tl 190.794	-1.7383b	ppb	1.0181	58.6	-1.4450
V 292.401	0.7936b	ppb	0.1329	16.7	15.0081
Zn 206.200	-0.0436b	ppb	0.2695	507.1	2.7488

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680-88367-a-3-b^20 (Samp) 3/28/2013, 3:21:47 AM Rack 3, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1008u	-0.8439u	-0.4800u
Al 308.215	5.3623	-0.3808u	2.0536
As 188.980	4.2604	-5.7874u	-2.8431u
B 249.678	6.7982	6.6870	6.6238
Ba 389.178	6.6196	6.7986	7.4722
Be 313.042	-0.0358u	-0.0364u	-0.0289u
Ca 370.602	7959	7936	7965
Cd 226.502	-0.1339u	-0.0232u	0.0163
Co 228.615	-0.3657u	0.2742	0.9784
Cr 267.716	-0.0081	-0.4230u	-0.0502u
Cu 324.754	-0.4533u	-0.0489u	-0.1272u
Fe 271.441	35.1719	30.1302	35.1767
K 766.491	1590.05	1592.72	1594.90
Mg 279.078	3409.92	3410.72	3417.93
Mn 257.610	82.6473	82.5207	82.8197
Mo 202.032	-0.8259u	-0.6276u	-0.8409u
Na 330.237	49319.9	49424.1	49564.4
Ni 231.604	-1.7969u	1.1421	-0.9017u
Pb 220.353	-0.1721u	-0.1282u	-0.1443u
Sb 206.834	0.7047	-1.9698u	-0.3308u
Se 196.026	10.6314	-12.1983u	-2.4064u
Sn 189.925	-3.1946u	-1.9704u	0.1314
Sr 216.596	112.885	111.563	110.993
Ti 334.941	-0.1044u	-0.1049u	-0.1441u
Tl 190.794	-3.1400u	4.7045	1.4522
V 292.401	0.5179	-0.0117u	0.1908
Zn 206.200	0.0591	1.9594	-0.9116u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4749	ppb	0.3716	78.2	-69.5960
Al 308.215	2.3451	ppb	2.8826	122.9	257.038
As 188.980	-1.4567	ppb	5.1654	354.6	1.3387
B 249.678	6.7030	ppb	0.0883	1.3	419.757
Ba 389.178	6.9635	ppb	0.4495	6.5	157.509
Be 313.042	-0.0337	ppb	0.0042	12.5	-241.196
Ca 370.602	7953	ppb	15.44	0.2	25669
Cd 226.502	-0.0469	ppb	0.0778	165.9	11.1713
Co 228.615	0.2956	ppb	0.6723	227.4	17.0880
Cr 267.716	-0.1604	ppb	0.2283	142.3	3.7911
Cu 324.754	-0.2098	ppb	0.2145	102.2	97.6193
Fe 271.441	33.4929	ppb	2.9122	8.7	58.6390
K 766.491	1592.56	ppb	2.4317	0.2	78386.2
Mg 279.078	3412.86	ppb	4.4132	0.1	6971.73
Mn 257.610	82.6625	ppb	0.1501	0.2	18834.6
Mo 202.032	-0.7648	ppb	0.1191	15.6	10.3396
Na 330.237	49436.1	ppb	122.677	0.2	2506.59
Ni 231.604	-0.5188	ppb	1.5065	290.4	-0.2759
Pb 220.353	-0.1482	ppb	0.0222	15.0	2.2555
Sb 206.834	-0.5320	ppb	1.3486	253.5	0.7901
Se 196.026	-1.3244	ppb	11.4532	864.8	-0.4206
Sn 189.925	-1.6778	ppb	1.6822	100.3	-0.4356
Sr 216.596	111.813	ppb	0.9706	0.9	1064.39
Ti 334.941	-0.1178	ppb	0.0228	19.3	-49.6455
Tl 190.794	1.0056	ppb	3.9413	391.9	0.3244
V 292.401	0.2324	ppb	0.2672	115.0	0.5123
Zn 206.200	0.3690	ppb	1.4693	395.8	3.3839

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680-88367-a-4-b^20 (Samp) 3/28/2013, 3:27:14 AM Rack 3, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0591u	-1.1160u	0.1148
Al 308.215	22.9397	20.9024	22.0955
As 188.980	-5.7746u	0.7355	-7.7544u
B 249.678	59.9278	61.2160	62.7523
Ba 389.178	1.3160	0.9238	1.0439
Be 313.042	-0.0336u	-0.0300u	-0.0227u
Ca 370.602	4228	4226	4241
Cd 226.502	-0.0496u	-0.3542u	0.0544
Co 228.615	0.3175	-0.1940u	0.2481
Cr 267.716	0.0560	-0.0618u	0.0610
Cu 324.754	0.2505	-0.0275u	-0.2332u
Fe 271.441	24.5278	21.1447	22.3077
K 766.491	3659.79	3651.54	3654.52
Mg 279.078	11945.0	11969.2	11998.4
Mn 257.610	10.1154	10.0103	10.1033
Mo 202.032	-0.4396u	-0.8006u	-1.1080u
Na 330.237	101177x	101204x	101399x
Ni 231.604	-0.6704u	-0.0887u	0.1616
Pb 220.353	-0.9163u	0.4892	-0.3842u
Sb 206.834	1.8282	3.5766	2.0248
Se 196.026	-3.3576u	3.0262	1.5021
Sn 189.925	-2.2888u	-3.8135u	-4.7950u
Sr 216.596	74.3184	73.1273	73.6369
Ti 334.941	1.4559	1.3619	1.4629
Tl 190.794	-5.6539u	-4.8929u	2.3191
V 292.401	1.2812	1.7159	1.3721
Zn 206.200	1.0698	-0.2522u	1.7118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6867b	ppb	0.6948	101.2	-83.2436
Al 308.215	21.9792b	ppb	1.0236	4.7	369.425
As 188.980	-4.2645b	ppb	4.4418	104.2	-0.2131
B 249.678	61.2987b	ppb	1.4140	2.3	919.820
Ba 389.178	1.0946b	ppb	0.2010	18.4	40.1611
Be 313.042	-0.0288b	ppb	0.0056	19.4	-239.679
Ca 370.602	4232b	ppb	8.274	0.2	13656
Cd 226.502	-0.1165b	ppb	0.2123	182.3	8.4906
Co 228.615	0.1239b	ppb	0.2774	224.0	15.1718
Cr 267.716	0.0184b	ppb	0.0695	377.5	11.8038
Cu 324.754	-0.0034b	ppb	0.2427	7135.2	107.568
Fe 271.441	22.6601b	ppb	1.7189	7.6	40.4989
K 766.491	3655.28b	ppb	4.1761	0.1	179623
Mg 279.078	11970.9b	ppb	26.7800	0.2	24403.5
Mn 257.610	10.0764b	ppb	0.0575	0.6	2421.74
Mo 202.032	-0.7827b	ppb	0.3346	42.7	10.2222
Na 330.237	101260xb	ppb	120.884	0.1	5138.24
Ni 231.604	-0.1992b	ppb	0.4269	214.3	0.4795
Pb 220.353	-0.2704b	ppb	0.7096	262.4	2.0425
Sb 206.834	2.4765b	ppb	0.9577	38.7	3.6657
Se 196.026	0.3902b	ppb	3.3340	854.3	0.3486
Sn 189.925	-3.6324b	ppb	1.2629	34.8	-1.8980
Sr 216.596	73.6942b	ppb	0.5976	0.8	704.991
Ti 334.941	1.4269b	ppb	0.0564	4.0	375.727
Tl 190.794	-2.7426b	ppb	4.4001	160.4	-2.0788
V 292.401	1.4564b	ppb	0.2293	15.7	33.8881
Zn 206.200	0.8432b	ppb	1.0014	118.8	4.0733

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680-88367-a-5-b^20 (Samp) 3/28/2013, 3:32:40 AM Rack 3, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0985u	-0.2363u	-1.3599u
Al 308.215	5.8375	3.2128	1.4604
As 188.980	-0.8604u	1.9162	-3.1002u
B 249.678	27.6904	26.8318	26.9881
Ba 389.178	14.2618	14.2633	15.6380
Be 313.042	-0.0288u	-0.0287u	-0.0280u
Ca 370.602	8712	8654	8673
Cd 226.502	0.1509	0.0997	-0.1338u
Co 228.615	0.6567	1.0553	-0.2790u
Cr 267.716	0.1704	-0.2140u	0.0013
Cu 324.754	-0.2935u	-0.5191u	-0.5934u
Fe 271.441	8.7678	8.4860	7.7427
K 766.491	4890.98	4854.96	4837.46
Mg 279.078	22256.6	22199.7	22215.6
Mn 257.610	45.3440	45.1564	45.0826
Mo 202.032	-1.5652u	-0.3011u	-1.1528u
Na 330.237	174613x	170839x	172174x
Ni 231.604	-0.9440u	1.3740	-0.9869u
Pb 220.353	-0.7388u	-0.1596u	-0.1525u
Sb 206.834	3.3748	-0.6170u	4.2117
Se 196.026	-8.4029u	9.4040	2.2845
Sn 189.925	-7.1097u	0.6376	-0.5392u
Sr 216.596	144.006	142.091	144.259
Ti 334.941	-0.4010u	-0.4103u	-0.3512u
Tl 190.794	-8.1063u	-9.5948u	-8.3238u
V 292.401	0.2988	0.5997	0.6682
Zn 206.200	-1.7684u	0.0859	1.8333

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5649b	ppb	0.6919	122.5	-77.6216
Al 308.215	3.5036b	ppb	2.2030	62.9	263.620
As 188.980	-0.6815b	ppb	2.5130	368.8	1.7651
B 249.678	27.1701b	ppb	0.4573	1.7	607.245
Ba 389.178	14.7210b	ppb	0.7941	5.4	393.881
Be 313.042	-0.0285b	ppb	0.0004	1.5	-246.582
Ca 370.602	8680b	ppb	29.78	0.3	28014
Cd 226.502	0.0389b	ppb	0.1518	390.1	13.7275
Co 228.615	0.4777b	ppb	0.6849	143.4	19.1845
Cr 267.716	-0.0141b	ppb	0.1926	1366.5	11.7067
Cu 324.754	-0.4687b	ppb	0.1562	33.3	85.1025
Fe 271.441	8.3321b	ppb	0.5296	6.4	16.4454
K 766.491	4861.14b	ppb	27.2887	0.6	238805
Mg 279.078	22223.9b	ppb	29.3907	0.1	45286.1
Mn 257.610	45.1944b	ppb	0.1347	0.3	10440.8
Mo 202.032	-1.0064b	ppb	0.6447	64.1	8.7806
Na 330.237	172542xb	ppb	1913.65	1.1	8758.01
Ni 231.604	-0.1857b	ppb	1.3509	727.6	0.5111
Pb 220.353	-0.3503b	ppb	0.3365	96.1	1.9231
Sb 206.834	2.3231b	ppb	2.5804	111.1	3.5217
Se 196.026	1.0952b	ppb	8.9628	818.4	0.6798
Sn 189.925	-2.3371b	ppb	4.1749	178.6	-0.8933
Sr 216.596	143.452b	ppb	1.1854	0.8	1362.43
Ti 334.941	-0.3875b	ppb	0.0318	8.2	-50.0099
Tl 190.794	-8.6750b	ppb	0.8040	9.3	-6.0288
V 292.401	0.5222b	ppb	0.1965	37.6	7.7839
Zn 206.200	0.0503b	ppb	1.8011	3581.4	2.9059

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680-88367-a-6-b^20 (Samp) 3/28/2013, 3:38:07 AM Rack 3, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2767u	-0.7146u	-0.7731u
Al 308.215	1.2775	1.6434	0.4089
As 188.980	-0.4029u	-4.1603u	-3.4023u
B 249.678	14.8340	13.9339	14.4943
Ba 389.178	-0.9500	-0.9569	-1.4299
Be 313.042	-0.0400u	-0.0196u	-0.0384u
Ca 370.602	10965	10987	11048
Cd 226.502	-0.2477u	-0.2542u	-0.0935u
Co 228.615	0.1402	-0.0684u	0.0475
Cr 267.716	1.8806	1.3472	1.6459
Cu 324.754	-0.1005u	-0.9405u	-0.4315u
Fe 271.441	100.018	107.207	102.176
K 766.491	6197.39	6173.03	6198.54
Mg 279.078	14598.3	14619.8	14674.1
Mn 257.610	19.6384	19.6443	19.7166
Mo 202.032	-1.6930u	-0.9665u	-1.7777u
Na 330.237	137017x	136003x	135254x
Ni 231.604	2.9081	-1.3019u	-0.2317u
Pb 220.353	1.4016	-1.5455u	-1.0818u
Sb 206.834	2.9651	-5.9012u	-3.3093u
Se 196.026	-12.9081u	0.9827	-0.5692u
Sn 189.925	1.6966	-3.7363u	-2.0442u
Sr 216.596	8.9476	9.4154	9.0128
Ti 334.941	5.8979	5.8460	5.7912
Tl 190.794	1.1518	-0.8211u	-1.4641u
V 292.401	3.0232	3.4963	3.2323
Zn 206.200	-0.0669u	0.1816	-1.0434u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5881b	ppb	0.2713	46.1	-73.6208
Al 308.215	1.1099b	ppb	0.6341	57.1	249.865
As 188.980	-2.6552b	ppb	1.9870	74.8	0.7099
B 249.678	14.4207b	ppb	0.4545	3.2	490.388
Ba 389.178	-1.1123b	ppb	0.2751	24.7	-5.3352
Be 313.042	-0.0327b	ppb	0.0113	34.7	-249.315
Ca 370.602	11000b	ppb	43.19	0.4	35497
Cd 226.502	-0.1985b	ppb	0.0910	45.8	5.6048
Co 228.615	0.0398b	ppb	0.1045	262.9	14.3389
Cr 267.716	1.6246b	ppb	0.2673	16.5	79.5442
Cu 324.754	-0.4908b	ppb	0.4231	86.2	84.0320
Fe 271.441	103.133b	ppb	3.6894	3.6	175.399
K 766.491	6189.65b	ppb	14.4104	0.2	304007
Mg 279.078	14630.7b	ppb	39.1001	0.3	29820.9
Mn 257.610	19.6665b	ppb	0.0436	0.2	4611.06
Mo 202.032	-1.4791b	ppb	0.4459	30.1	5.7198
Na 330.237	136091xb	ppb	884.909	0.7	6906.95
Ni 231.604	0.4582b	ppb	2.1881	477.6	2.0348
Pb 220.353	-0.4086b	ppb	1.5847	387.9	1.8207
Sb 206.834	-2.0818b	ppb	4.5588	219.0	-0.6675
Se 196.026	-4.1649b	ppb	7.6115	182.8	-1.7367
Sn 189.925	-1.3613b	ppb	2.7801	204.2	-0.1665
Sr 216.596	9.1253b	ppb	0.2534	2.8	97.4546
Ti 334.941	5.8450b	ppb	0.0534	0.9	1510.92
Tl 190.794	-0.3778b	ppb	1.3632	360.8	-0.5293
V 292.401	3.2506b	ppb	0.2371	7.3	83.0241
Zn 206.200	-0.3096b	ppb	0.6476	209.2	-2.3732

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680-88367-a-7-b^20 (Samp) 3/28/2013, 3:43:33 AM Rack 3, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5239u	-1.3328u	-0.8007u
Al 308.215	2.6601	5.4205	1.5111
As 188.980	5.4204	-6.8132u	-1.6142u
B 249.678	41.4256	40.7914	41.2849
Ba 389.178	-1.6382	-0.8792	-1.3208
Be 313.042	-0.0324u	-0.0305u	-0.0362u
Ca 370.602	28492	28504	28490
Cd 226.502	0.2536	-0.0406u	-0.1988u
Co 228.615	-0.8069u	-0.6922u	-0.1490u
Cr 267.716	-0.4694u	0.0234	0.0126
Cu 324.754	-1.0481u	-0.2504u	-0.5650u
Fe 271.441	48.1680	50.2606	50.1885
K 766.491	3981.18	3984.36	3982.82
Mg 279.078	54337.4	54424.5	54353.5
Mn 257.610	62.1113	62.2360	62.1521
Mo 202.032	-0.4326u	-0.9981u	-1.4024u
Na 330.237	201289x	199062x	200404x
Ni 231.604	-0.4378u	0.9945	1.6649
Pb 220.353	-0.0466u	2.8115	-2.4324u
Sb 206.834	4.5444	-4.4217u	-4.1460u
Se 196.026	12.5378	-18.9316u	2.5648
Sn 189.925	-2.2118u	-2.1565u	-1.7158u
Sr 216.596	246.232	244.650	244.081
Ti 334.941	-1.0048u	-1.0236u	-0.9426u
Tl 190.794	-2.7514u	-6.2006u	-1.9251u
V 292.401	0.2765	0.0680	0.7419
Zn 206.200	0.6172	1.0855	1.1312

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8858b	ppb	0.4111	46.4	-104.732
Al 308.215	3.1973b	ppb	2.0093	62.8	261.908
As 188.980	-1.0023b	ppb	6.1397	612.5	1.7359
B 249.678	41.1673b	ppb	0.3330	0.8	735.403
Ba 389.178	-1.2794b	ppb	0.3812	29.8	98.0620
Be 313.042	-0.0331b	ppb	0.0029	8.7	-253.037
Ca 370.602	28495b	ppb	7.566	0.0	91974
Cd 226.502	0.0047b	ppb	0.2296	4866.1	12.8561
Co 228.615	-0.5493b	ppb	0.3515	64.0	7.4249
Cr 267.716	-0.1445b	ppb	0.2814	194.8	6.7710
Cu 324.754	-0.6212b	ppb	0.4018	64.7	77.7620
Fe 271.441	49.5390b	ppb	1.1879	2.4	85.4999
K 766.491	3982.79b	ppb	1.5894	0.0	195696
Mg 279.078	54371.8b	ppb	46.3309	0.1	110764
Mn 257.610	62.1664b	ppb	0.0636	0.1	14466.2
Mo 202.032	-0.9444b	ppb	0.4871	51.6	9.1787
Na 330.237	200252xb	ppb	1120.89	0.6	10165.1
Ni 231.604	0.7405b	ppb	1.0741	145.0	2.7012
Pb 220.353	0.1109b	ppb	2.6255	2368.4	2.6684
Sb 206.834	-1.3411b	ppb	5.0988	380.2	0.0190
Se 196.026	-1.2763b	ppb	16.0825	1260.1	-0.4029
Sn 189.925	-2.0280b	ppb	0.2718	13.4	-0.6430
Sr 216.596	244.988b	ppb	1.1144	0.5	2320.51
Ti 334.941	-0.9903b	ppb	0.0424	4.3	-73.3196
Tl 190.794	-3.6257b	ppb	2.2679	62.6	-2.7148
V 292.401	0.3621b	ppb	0.3450	95.3	3.4843
Zn 206.200	0.9446b	ppb	0.2845	30.1	4.4192

680-88367-a-8-b (Samp) 3/28/2013, 3:48:59 AM Rack 3, Tube 9
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9308u	-1.1248u	-0.8729u
Al 308.215	-1.6806u	1.2297	-0.6205u
As 188.980	-1.8900u	-0.2860u	-7.3301u
B 249.678	-28.0439u	-28.8063u	-30.2287u
Ba 389.178	-0.1232u	-0.2667u	-0.0110u
Be 313.042	-0.0359u	-0.0310u	-0.0317u
Ca 370.602	67.46	63.25	70.93
Cd 226.502	-0.1071u	-0.2585u	-0.3089u
Co 228.615	-0.1775u	0.3248	-0.2258u
Cr 267.716	0.0028	-0.3086u	-0.1253u
Cu 324.754	-0.5709u	-0.0204u	-0.1816u
Fe 271.441	-3.0967u	-0.5993u	5.9942
K 766.491	14.6224	14.1445	15.3835
Mg 279.078	17.7712	17.7223	16.6918
Mn 257.610	-0.0800u	-0.1005u	-0.1319u
Mo 202.032	-1.7606u	-1.2557u	-1.2642u
Na 330.237	434.446	314.516	515.985
Ni 231.604	-1.9178u	-0.1793u	-0.3517u
Pb 220.353	0.6682	-2.6620u	-0.5941u
Sb 206.834	-2.3705u	-3.0930u	-0.7796u
Se 196.026	9.3946	-4.8559u	-2.2013u
Sn 189.925	-1.4061u	-4.0958u	1.1688
Sr 216.596	-0.4043u	-0.8320u	0.4604
Ti 334.941	-0.2488u	-0.3439u	-0.2520u
Tl 190.794	-5.0409u	1.0910	0.5104
V 292.401	0.3266	0.0006	0.0825
Zn 206.200	1.3451	0.3159	0.8042

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9762	ppb	0.1319	13.5	-100.233
Al 308.215	-0.3571	ppb	1.4729	412.4	241.505
As 188.980	-3.1687	ppb	3.6920	116.5	0.3515
B 249.678	-29.0263	ppb	1.1089	3.8	92.5364
Ba 389.178	-0.1336	ppb	0.1282	95.9	-21.5384
Be 313.042	-0.0329	ppb	0.0026	8.0	-236.085
Ca 370.602	67.21	ppb	3.849	5.7	213.5
Cd 226.502	-0.2248	ppb	0.1050	46.7	4.9869
Co 228.615	-0.0262	ppb	0.3049	1164.7	13.4192
Cr 267.716	-0.1437	ppb	0.1565	108.9	3.3986
Cu 324.754	-0.2576	ppb	0.2830	109.8	95.2879
Fe 271.441	0.7661	ppb	4.6967	613.1	3.8422
K 766.491	14.7168	ppb	0.6249	4.2	947.559
Mg 279.078	17.3951	ppb	0.6095	3.5	57.2348
Mn 257.610	-0.1041	ppb	0.0261	25.1	48.1463
Mo 202.032	-1.4268	ppb	0.2891	20.3	6.0671
Na 330.237	421.649	ppb	101.343	24.0	17.6062
Ni 231.604	-0.8163	ppb	0.9578	117.3	-0.9796
Pb 220.353	-0.8626	ppb	1.6812	194.9	1.0894
Sb 206.834	-2.0810	ppb	1.1835	56.9	-0.6833
Se 196.026	0.7791	ppb	7.5784	972.7	0.5244
Sn 189.925	-1.4444	ppb	2.6325	182.3	-0.2782
Sr 216.596	-0.2586	ppb	0.6584	254.6	8.1146
Ti 334.941	-0.2816	ppb	0.0540	19.2	-101.839
Tl 190.794	-1.1465	ppb	3.3852	295.3	-1.0146
V 292.401	0.1366	ppb	0.1696	124.2	-1.6782
Zn 206.200	0.8218	ppb	0.5148	62.7	4.0083

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88367-a-8-bSD^5 (Samp) 3/28/2013, 3:54:25 AM Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3997u	0.3210	-0.7225u
Al 308.215	0.2998	-0.9779u	0.9902
As 188.980	-9.7499u	-4.4428u	-6.0788u
B 249.678	-33.3828u	-33.2031u	-31.7060u
Ba 389.178	-0.9775u	-0.7075u	0.0872
Be 313.042	-0.0456u	-0.0379u	-0.0242u
Ca 370.602	12.03	9.132	10.23
Cd 226.502	-0.0161u	-0.0761u	0.0405
Co 228.615	0.5573	-0.4082u	-0.2398u
Cr 267.716	-0.2157u	-0.1943u	-0.2141u
Cu 324.754	-0.3940u	-0.0303u	-0.3021u
Fe 271.441	-0.4178u	3.8093	3.6601
K 766.491	3.0638	2.6304	2.5382
Mg 279.078	7.8717	2.1392	5.2180
Mn 257.610	-0.1278u	-0.1565u	-0.1871u
Mo 202.032	-0.6399u	-1.2335u	-0.6103u
Na 330.237	-33.0408u	59.4756	127.190
Ni 231.604	-0.5699u	-1.0009u	1.1067
Pb 220.353	-0.7551u	-0.7005u	0.9545
Sb 206.834	2.7085	-1.4154u	-6.0138u
Se 196.026	6.3591	-12.2993u	3.9151
Sn 189.925	-3.7067u	-1.6217u	0.0149
Sr 216.596	0.0874	-0.2290u	-0.0647u
Ti 334.941	-0.3156u	-0.2626u	-0.3826u
Tl 190.794	2.6808	3.1476	2.1103
V 292.401	0.2014	-0.1035u	0.5384
Zn 206.200	0.2754	0.0054	-0.6204u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2671	ppb	0.5342	200.0	-50.6793
Al 308.215	0.1041	ppb	0.9986	959.6	244.205
As 188.980	-6.7572	ppb	2.7178	40.2	-1.5973
B 249.678	-32.7640	ppb	0.9206	2.8	58.3011
Ba 389.178	-0.5326	ppb	0.5535	103.9	-31.1144
Be 313.042	-0.0359	ppb	0.0108	30.2	-242.006
Ca 370.602	10.46	ppb	1.463	14.0	30.13
Cd 226.502	-0.0172	ppb	0.0583	338.4	12.3823
Co 228.615	-0.0302	ppb	0.5158	1707.1	13.3559
Cr 267.716	-0.2080	ppb	0.0119	5.7	0.7019
Cu 324.754	-0.2421	ppb	0.1891	78.1	96.0484
Fe 271.441	2.3505	ppb	2.3986	102.0	6.4023
K 766.491	2.7441	ppb	0.2807	10.2	359.954
Mg 279.078	5.0763	ppb	2.8688	56.5	32.1452
Mn 257.610	-0.1571	ppb	0.0296	18.9	36.0582
Mo 202.032	-0.8279	ppb	0.3515	42.5	9.9334
Na 330.237	51.2083	ppb	80.4348	157.1	-1.2005
Ni 231.604	-0.1547	ppb	1.1135	719.9	0.5842
Pb 220.353	-0.1670	ppb	0.9717	581.7	2.2081
Sb 206.834	-1.5736	ppb	4.3633	277.3	-0.2065
Se 196.026	-0.6750	ppb	10.1408	1502.3	-0.1420
Sn 189.925	-1.7711	ppb	1.8653	105.3	-0.5254
Sr 216.596	-0.0688	ppb	0.1583	230.2	9.8724
Ti 334.941	-0.3203	ppb	0.0601	18.8	-111.742
Tl 190.794	2.6463	ppb	0.5195	19.6	1.4886
V 292.401	0.2121	ppb	0.3211	151.4	0.3246
Zn 206.200	-0.1132	ppb	0.4595	406.1	2.5900

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680-88367-a-8-bPDS (Samp) 3/28/2013, 3:59:52 AM Rack 3, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.5017	48.4340	49.9443
Al 308.215	1980.57	1948.70	1964.53
As 188.980	2153.46	2123.08	2157.14
B 249.678	1039.90	1023.95	1035.40
Ba 389.178	2090.12	2052.15	2073.05
Be 313.042	51.5870	50.5857	51.1017
Ca 370.602	5225	5103	5106
Cd 226.502	51.5115	50.8060	51.0156
Co 228.615	524.334	513.134	516.178
Cr 267.716	206.467	202.779	204.342
Cu 324.754	256.510	246.422	251.455
Fe 271.441	1035.01	1007.36	1017.07
K 766.491	5303.01	5202.15	5244.79
Mg 279.078	5283.29	5160.43	5161.96
Mn 257.610	525.974	515.630	520.511
Mo 202.032	528.891	516.885	516.823
Na 330.237	5489.97	5144.07	5335.75
Ni 231.604	514.521	502.799	511.002
Pb 220.353	514.628	509.582	506.780
Sb 206.834	500.554	494.501	496.934
Se 196.026	2061.97	2001.91	2015.21
Sn 189.925	1078.23	1057.19	1050.73
Sr 216.596	542.863	530.506	530.884
Ti 334.941	1054.27	1029.32	1030.68
Tl 190.794	2152.79	2110.64	2128.48
V 292.401	514.380	504.554	510.282
Zn 206.200	510.487	495.644	503.075

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.6267	ppb	1.0699	2.2	3419.42
Al 308.215	1964.60	ppb	15.9347	0.8	11551.3
As 188.980	2144.56	ppb	18.6915	0.9	1166.29
B 249.678	1033.08	ppb	8.2235	0.8	9819.55
Ba 389.178	2071.77	ppb	19.0213	0.9	49573.7
Be 313.042	51.0915	ppb	0.5008	1.0	98633.8
Ca 370.602	5145	ppb	69.87	1.4	16728
Cd 226.502	51.1110	ppb	0.3623	0.7	1834.97
Co 228.615	517.882	ppb	5.7912	1.1	5945.93
Cr 267.716	204.529	ppb	1.8510	0.9	8558.96
Cu 324.754	251.463	ppb	5.0442	2.0	12258.0
Fe 271.441	1019.81	ppb	14.0296	1.4	1795.23
K 766.491	5249.98	ppb	50.6304	1.0	257889
Mg 279.078	5201.90	ppb	70.4964	1.4	10608.4
Mn 257.610	520.705	ppb	5.1747	1.0	118176
Mo 202.032	520.867	ppb	6.9496	1.3	3377.15
Na 330.237	5323.26	ppb	173.286	3.3	254.600
Ni 231.604	509.440	ppb	6.0150	1.2	1205.16
Pb 220.353	510.330	ppb	3.9772	0.8	822.203
Sb 206.834	497.330	ppb	3.0456	0.6	472.080
Se 196.026	2026.37	ppb	31.5457	1.6	929.037
Sn 189.925	1062.05	ppb	14.3782	1.4	803.940
Sr 216.596	534.751	ppb	7.0277	1.3	5024.14
Ti 334.941	1038.09	ppb	14.0285	1.4	264737
Tl 190.794	2130.63	ppb	21.1573	1.0	1405.78
V 292.401	509.739	ppb	4.9354	1.0	13917.2
Zn 206.200	503.069	ppb	7.4214	1.5	765.517

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88408-a-1-b^20 (Samp) 3/28/2013, 4:05:18 AM Rack 3, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6083u	-0.4325u	-0.5508u
Al 308.215	37.0209	34.2269	35.3285
As 188.980	6.0721	2.5104	4.8526
B 249.678	36.0873	34.3840	31.9165
Ba 389.178	10.2975	9.8062	11.0063
Be 313.042	0.0240	0.0326	0.0180
Ca 370.602	3228	3221	3209
Cd 226.502	-0.2763u	-0.1991u	-0.0165u
Co 228.615	-1.0088u	-0.0454	-0.0134
Cr 267.716	4.5365	4.5469	4.4085
Cu 324.754	-0.4803u	0.2642	-0.3768u
Fe 271.441	28.8881	25.8995	28.7378
K 766.491	3120.56	3127.25	3128.50
Mg 279.078	6790.48	6779.61	6753.72
Mn 257.610	11.7326	11.6163	11.6715
Mo 202.032	-0.1380u	0.4843	0.0663
Na 330.237	119216x	118830x	118599x
Ni 231.604	1.4579	1.7439	0.3564
Pb 220.353	-4.0310u	1.9338	0.3465
Sb 206.834	-2.4309u	2.4361	-3.8877u
Se 196.026	-1.6243u	-7.4457u	-6.9336u
Sn 189.925	-2.1925u	-3.0478u	0.4500
Sr 216.596	50.0899	48.6409	50.2520
Ti 334.941	36.7756	36.9435	36.7361
Tl 190.794	5.5263	1.6663	3.2271
V 292.401	19.3298	19.2914	19.3277
Zn 206.200	3.2163	2.7637	1.7088

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5306b	ppb	0.0896	16.9	-71.1157
Al 308.215	35.5255b	ppb	1.4074	4.0	446.811
As 188.980	4.4784b	ppb	1.8101	40.4	4.5257
B 249.678	34.1292b	ppb	2.0970	6.1	670.966
Ba 389.178	10.3700b	ppb	0.6033	5.8	248.134
Be 313.042	0.0248b	ppb	0.0073	29.5	-139.008
Ca 370.602	3219b	ppb	9.820	0.3	10394
Cd 226.502	-0.1640b	ppb	0.1334	81.4	6.6532
Co 228.615	-0.3559b	ppb	0.5657	159.0	10.5644
Cr 267.716	4.4973b	ppb	0.0771	1.7	199.234
Cu 324.754	-0.1977b	ppb	0.4033	204.0	98.0475
Fe 271.441	27.8418b	ppb	1.6837	6.0	49.2750
K 766.491	3125.43b	ppb	4.2660	0.1	153618
Mg 279.078	6774.60b	ppb	18.8832	0.3	13819.9
Mn 257.610	11.6735b	ppb	0.0582	0.5	2755.32
Mo 202.032	0.1375b	ppb	0.3172	230.7	16.1332
Na 330.237	118882xb	ppb	311.588	0.3	6032.79
Ni 231.604	1.1861b	ppb	0.7326	61.8	3.7539
Pb 220.353	-0.5836b	ppb	3.0892	529.4	1.5191
Sb 206.834	-1.2942b	ppb	3.3116	255.9	0.0914
Se 196.026	-5.3345b	ppb	3.2233	60.4	-2.2748
Sn 189.925	-1.5968b	ppb	1.8234	114.2	-0.3532
Sr 216.596	49.6609b	ppb	0.8871	1.8	478.509
Ti 334.941	36.8184b	ppb	0.1101	0.3	9379.06
Tl 190.794	3.4732b	ppb	1.9417	55.9	2.0280
V 292.401	19.3163b	ppb	0.0216	0.1	525.001
Zn 206.200	2.5629b	ppb	0.7736	30.2	6.6616

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Cont Calib Verif (CCV) 3/28/2013, 4:10:44 AM Rack 3, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.555	498.579	497.906
Al 308.215	4946.55	4980.73	4943.11
As 188.980	470.554	488.607	464.927
B 249.678	2482.05	2520.68	2522.78
Ba 389.178	4889.39	4913.37	4891.36
Be 313.042	487.874	491.911	488.435
Ca 370.602	4884	4914	4884
Cd 226.502	486.940	488.368	487.248
Co 228.615	491.109	495.907	493.479
Cr 267.716	4892.78	4920.19	4879.87
Cu 324.754	5018.42	4850.86	4834.93
Fe 271.441	4912.72	4957.33	4922.93
K 766.491	9883.24	9939.17	9952.69
Mg 279.078	4873.50	4908.95	4870.67
Mn 257.610	4932.63	4964.93	4924.70
Mo 202.032	484.368	486.162	484.564
Na 330.237	7400.71	7571.20	7522.55
Ni 231.604	2459.43	2468.26	2446.86
Pb 220.353	491.598	483.410	484.201
Sb 206.834	904.833	920.470	903.128
Se 196.026	4797.60	4831.83	4831.94
Sn 189.925	4930.50	4986.54	4989.58
Sr 216.596	2443.64	2458.38	2440.81
Ti 334.941	493.275	496.577	492.491
Tl 190.794	4889.81	4940.32	4905.15
V 292.401	4896.84	4925.53	4907.50
Zn 206.200	2430.48	2446.59	2425.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.347	ppb	1.9416	0.4	34816.3	99.86934
Al 308.215	4956.80	ppb	20.7953	0.4	28600.2	99.13592
As 188.980	474.696	ppb	12.3716	2.6	259.669	94.93918
B 249.678	2508.50	ppb	22.9346	0.9	23329.5	100.34019
Ba 389.178	4898.04	ppb	13.3106	0.3	117214	97.96079
Be 313.042	489.407	ppb	2.1868	0.4	947016	97.88137
Ca 370.602	4894	ppb	17.31	0.4	15662	97.87905
Cd 226.502	487.519	ppb	0.7512	0.2	17379.3	97.50372
Co 228.615	493.498	ppb	2.3991	0.5	5666.56	98.69965
Cr 267.716	4897.61	ppb	20.5905	0.4	204727	97.95225
Cu 324.754	4901.40	ppb	101.654	2.1	236722	98.02810
Fe 271.441	4930.99	ppb	23.3767	0.5	8386.86	98.61987
K 766.491	9925.03	ppb	36.8196	0.4	487335	99.25032
Mg 279.078	4884.37	ppb	21.3313	0.4	9893.10	97.68745
Mn 257.610	4940.75	ppb	21.3121	0.4	1120459	98.81503
Mo 202.032	485.031	ppb	0.9842	0.2	3138.24	97.00629
Na 330.237	7498.15	ppb	87.8246	1.2	353.872	99.97536
Ni 231.604	2458.18	ppb	10.7530	0.4	5811.59	98.32726
Pb 220.353	486.403	ppb	4.5167	0.9	784.917	97.28056
Sb 206.834	909.477	ppb	9.5581	1.1	914.235	90.94769
Se 196.026	4820.46	ppb	19.7946	0.4	2210.68	96.40917
Sn 189.925	4968.87	ppb	33.2699	0.7	3758.28	99.37744
Sr 216.596	2447.61	ppb	9.4302	0.4	23014.8	97.90441
Ti 334.941	494.114	ppb	2.1686	0.4	126005	98.82288
Tl 190.794	4911.76	ppb	25.8949	0.5	3238.58	98.23517
V 292.401	4909.96	ppb	14.5022	0.3	134658	98.19920
Zn 206.200	2434.14	ppb	11.0848	0.5	2681.64	97.36554

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/28/2013, 4:16:11 AM Rack 3, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1424	0.4600	0.3302
Al 308.215	-1.9145u	1.1994	1.6398
As 188.980	-6.8961u	-0.0485u	3.9121
B 249.678	33.2101	29.3865	23.4490
Ba 389.178	-0.5181u	-0.0697u	0.2579
Be 313.042	-0.0220u	-0.0296u	-0.0344u
Ca 370.602	-1.244u	0.8988	-2.485u
Cd 226.502	0.0346	-0.1318u	-0.2564u
Co 228.615	-0.2925u	-0.1135u	0.0941
Cr 267.716	-0.4726u	-0.2525u	-0.1693u
Cu 324.754	-0.0684u	-0.0036u	0.5239
Fe 271.441	-1.0792u	-1.3130u	-1.4212u
K 766.491	0.0038	-0.4571u	-0.3453u
Mg 279.078	-2.0491u	2.4041	7.5519
Mn 257.610	-0.0718u	-0.0339u	0.0135
Mo 202.032	-0.1738u	0.7274	0.3493
Na 330.237	-124.616u	90.1808	35.6798
Ni 231.604	0.7140	-1.8022u	-0.8239u
Pb 220.353	0.0744	-0.5392u	-1.1790u
Sb 206.834	6.5474	7.9287	1.4083
Se 196.026	7.4088	11.0314	10.8419
Sn 189.925	-0.2059u	1.3095	-3.7460u
Sr 216.596	-0.7367u	-0.4764u	-0.3649u
Ti 334.941	-0.0977u	-0.1929u	-0.1754u
Tl 190.794	-2.1486u	0.0234	-3.9378u
V 292.401	0.6652	0.8279	0.7683
Zn 206.200	-0.8117u	-0.6354u	-0.4862u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3109	ppb	0.1596	51.4	-10.2555	0.31086
Al 308.215	0.3082	ppb	1.9375	628.6	245.522	0.30823
As 188.980	-1.0108	ppb	5.4680	540.9	1.5221	-1.01084
B 249.678	28.6819	ppb	4.9185	17.1	621.089	28.68185
Ba 389.178	-0.1100	ppb	0.3896	354.2	-20.9992	-0.10998
Be 313.042	-0.0287	ppb	0.0063	21.8	-228.255	-0.02868
Ca 370.602	-0.9437	ppb	1.712	181.4	-6.789	-0.94368
Cd 226.502	-0.1179	ppb	0.1460	123.8	8.8035	-0.11787
Co 228.615	-0.1040	ppb	0.1935	186.1	12.4774	-0.10396
Cr 267.716	-0.2981	ppb	0.1567	52.6	-3.0691	-0.29814
Cu 324.754	0.1506	ppb	0.3249	215.7	115.039	0.15063
Fe 271.441	-1.2711	ppb	0.1748	13.8	0.3632	-1.27113
K 766.491	-0.2662	ppb	0.2404	90.3	212.208	-0.26623
Mg 279.078	2.6356	ppb	4.8047	182.3	27.1725	2.63564
Mn 257.610	-0.0308	ppb	0.0427	138.9	64.7065	-0.03076
Mo 202.032	0.3010	ppb	0.4526	150.4	17.2206	0.30097
Na 330.237	0.4148	ppb	111.656	26920.7	-3.7741	0.41476
Ni 231.604	-0.6374	ppb	1.2684	199.0	-0.5567	-0.63735
Pb 220.353	-0.5479	ppb	0.6267	114.4	1.5937	-0.54794
Sb 206.834	5.2948	ppb	3.4359	64.9	6.3380	5.29481
Se 196.026	9.7607	ppb	2.0390	20.9	4.6410	9.76070
Sn 189.925	-0.8808	ppb	2.5945	294.6	0.1479	-0.88078
Sr 216.596	-0.5260	ppb	0.1908	36.3	5.5306	-0.52599
Ti 334.941	-0.1553	ppb	0.0506	32.6	-69.6770	-0.15531
Tl 190.794	-2.0210	ppb	1.9837	98.2	-1.5925	-2.02098
V 292.401	0.7538	ppb	0.0823	10.9	14.9935	0.75379
Zn 206.200	-0.6444	ppb	0.1629	25.3	89.17837	-0.64444

680-88527-b-7-b^10 (Samp) 3/28/2013, 4:21:37 AM Rack 3, Tube 15

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0879	0.8821	-0.1191u
Al 308.215	9384.26	9378.22	9396.53
As 188.980	28.0981	17.4035	27.9643
B 249.678	-9.3450u	-10.6058u	-11.0611u
Ba 389.178	294.749	293.557	294.512
Be 313.042	1.1855	1.1862	1.1903
Ca 370.602	25042	24978	24983
Cd 226.502	16.0759	16.1434	16.2168
Co 228.615	9.3897	8.3872	8.4413
Cr 267.716	33.9893	34.0834	34.0941
Cu 324.754	84.9950	84.1144	86.6110
Fe 271.441	52613.8	52606.8	52883.6
K 766.491	1101.21	1098.86	1101.06
Mg 279.078	4201.56	4205.53	4215.96
Mn 257.610	1302.69	1300.16	1304.49
Mo 202.032	2.4406	2.2752	1.2365
Na 330.237	104.208u	248.802u	-81.7362u
Ni 231.604	12.8487	15.0447	13.7753
Pb 220.353	2625.68	2621.73	2634.17
Sb 206.834	19.5063	27.8273	23.2302
Se 196.026	2.1860	0.5029	5.6859
Sn 189.925	1052.19	1043.83	1042.74
Sr 216.596	40.0488	41.3453	41.0771
Ti 334.941	176.097	175.540	175.131
Tl 190.794	7.7819	7.1382	4.4083u
V 292.401	39.2296	39.0000	39.4671
Zn 206.200	909.552	910.825	915.021

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2836	ppb	0.5285	186.3	-8.3685
Al 308.215	9386.34	ppb	9.3264	0.1	53984.4
As 188.980	24.4886	ppb	6.1363	25.1	15.0802
B 249.678	-10.3373	ppb	0.8890	8.6	215.579
Ba 389.178	294.273	ppb	0.6306	0.2	7111.52
Be 313.042	1.1873	ppb	0.0026	0.2	2131.88
Ca 370.602	25001	ppb	35.38	0.1	76419
Cd 226.502	16.1454	ppb	0.0705	0.4	710.077
Co 228.615	8.7394	ppb	0.5638	6.5	115.705
Cr 267.716	34.0556	ppb	0.0577	0.2	1448.71
Cu 324.754	85.2402	ppb	1.2662	1.5	4238.03
Fe 271.441	52701.4	ppb	157.824	0.3	88332.1
K 766.491	1100.38	ppb	1.3146	0.1	54230.6
Mg 279.078	4207.69	ppb	7.4365	0.2	8578.23
Mn 257.610	1302.45	ppb	2.1779	0.2	295575
Mo 202.032	1.9841	ppb	0.6527	32.9	25.6710
Na 330.237	90.4247	ppb	165.700	183.2	-22.8676
Ni 231.604	13.8895	ppb	1.1025	7.9	34.7692
Pb 220.353	2627.19	ppb	6.3560	0.2	4229.16
Sb 206.834	23.5213	ppb	4.1681	17.7	25.4077
Se 196.026	2.7916	ppb	2.6441	94.7	1.8885
Sn 189.925	1046.25	ppb	5.1707	0.5	791.999
Sr 216.596	40.8237	ppb	0.6844	1.7	415.851
Ti 334.941	175.589	ppb	0.4853	0.3	44774.0
Tl 190.794	6.4428	ppb	1.7911	27.8	0.9629
V 292.401	39.2322	ppb	0.2336	0.6	1073.77
Zn 206.200	911.799	ppb	2.8617	0.3	1386.34

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88527-b-14-b^5 (Samp) 3/28/2013, 4:27:03 AM Rack 3, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1683	-0.2075	-0.1751
Al 308.215	28081.3	27985.6	27806.0
As 188.980	29.5860	35.5362	33.1683
B 249.678	31.6684	31.8442	32.6728
Ba 389.178	449.553	447.193	446.247
Be 313.042	9.7084	9.6467	9.5847
Ca 370.602	36514	36361	36093
Cd 226.502	2.6377	2.1872	2.4893
Co 228.615	36.7806	37.4540	36.4714
Cr 267.716	198.627	198.177	196.754
Cu 324.754	678.957	670.360	665.969
Fe 271.441	105895	105562	104866
K 766.491	1687.56	1671.37	1655.28
Mg 279.078	5042.88	5007.37	4990.25
Mn 257.610	5430.40	5421.48	5391.69
Mo 202.032	19.1574	19.2112	18.1911
Na 330.237	1777.61u	1941.54u	1924.19u
Ni 231.604	85.8393	85.0530	85.7806
Pb 220.353	1295.21	1301.44	1297.46
Sb 206.834	2.7769	8.7201	6.7452
Se 196.026	6.9548	0.0617	10.9768
Sn 189.925	310.240	309.459	300.645
Sr 216.596	84.4726	84.2625	83.7879
Ti 334.941	916.654	910.966	904.693
Tl 190.794	14.5877	26.5988	14.2021
V 292.401	102.847	102.372	101.725
Zn 206.200	13559.2	13505.1	13449.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2619	ppb	0.7851	299.8	6.0462
Al 308.215	27957.6	ppb	139.721	0.5	160315
As 188.980	32.7635	ppb	2.9957	9.1	19.1811
B 249.678	32.0618	ppb	0.5364	1.7	555.695
Ba 389.178	447.664	ppb	1.7026	0.4	10861.5
Be 313.042	9.6466	ppb	0.0618	0.6	18508.1
Ca 370.602	36323	ppb	213.3	0.6	108863
Cd 226.502	2.4381	ppb	0.2296	9.4	344.597
Co 228.615	36.9020	ppb	0.5024	1.4	455.408
Cr 267.716	197.853	ppb	0.9777	0.5	8323.24
Cu 324.754	671.762	ppb	6.6065	1.0	32571.2
Fe 271.441	105441	ppb	525.228	0.5	176729
K 766.491	1671.40	ppb	16.1373	1.0	82255.9
Mg 279.078	5013.50	ppb	26.8454	0.5	10159.7
Mn 257.610	5414.52	ppb	20.2703	0.4	1228161
Mo 202.032	18.8533	ppb	0.5740	3.0	132.118
Na 330.237	1881.11	ppb	90.0514	4.8	-45.8925
Ni 231.604	85.5576	ppb	0.4380	0.5	205.178
Pb 220.353	1298.04	ppb	3.1576	0.2	2090.91
Sb 206.834	6.0807	ppb	3.0268	49.8	11.1373
Se 196.026	5.9978	ppb	5.5201	92.0	4.4435
Sn 189.925	306.781	ppb	5.3286	1.7	232.813
Sr 216.596	84.1743	ppb	0.3508	0.4	842.480
Ti 334.941	910.771	ppb	5.9826	0.7	232278
Tl 190.794	18.4629	ppb	7.0485	38.2	3.1556
V 292.401	102.315	ppb	0.5629	0.6	2806.91
Zn 206.200	13504.7	ppb	54.7312	0.4	20493.6

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88527-b-15-b^5 (Samp) 3/28/2013, 4:32:30 AM Rack 3, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3322	-0.0633	-0.0247
Al 308.215	26309.8	26336.1	26309.7
As 188.980	29.1723	23.7965	24.7848
B 249.678	25.0631	25.5854	26.2248
Ba 389.178	511.349	511.693	509.806
Be 313.042	6.7835	6.7856	6.7947
Ca 370.602	43832	43858	43886
Cd 226.502	2.9056	2.9619	2.8140
Co 228.615	26.2341	27.6258	27.0199
Cr 267.716	266.836	267.905	268.373
Cu 324.754	852.569	854.419	851.778
Fe 271.441	83144.3	83159.3	83279.6
K 766.491	2036.49	2036.37	2032.08
Mg 279.078	4895.77	4899.52	4904.03
Mn 257.610	9543.51	9564.02	9546.99
Mo 202.032	11.7489	11.7458	11.3409
Na 330.237	1015.55u	1356.37u	1466.81u
Ni 231.604	106.503	103.293	104.771
Pb 220.353	870.158	878.907	876.347
Sb 206.834	9.6852	12.5675	9.4878
Se 196.026	5.3363	2.7660	1.6089
Sn 189.925	249.420	245.977	245.769
Sr 216.596	88.2991	88.4167	88.7737
Ti 334.941	1331.50	1332.26	1333.45
Tl 190.794	41.6376	33.9205	38.3268
V 292.401	131.534	131.682	131.625
Zn 206.200	6511.40	6539.00	6522.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1401	ppb	0.1675	119.6	-4.3580
Al 308.215	26318.5	ppb	15.2158	0.1	150929
As 188.980	25.9178	ppb	2.8614	11.0	15.7201
B 249.678	25.6244	ppb	0.5819	2.3	517.051
Ba 389.178	510.949	ppb	1.0048	0.2	12342.8
Be 313.042	6.7879	ppb	0.0059	0.1	12975.3
Ca 370.602	43859	ppb	26.95	0.1	135222
Cd 226.502	2.8938	ppb	0.0747	2.6	309.209
Co 228.615	26.9599	ppb	0.6978	2.6	353.816
Cr 267.716	267.705	ppb	0.7880	0.3	11254.9
Cu 324.754	852.922	ppb	1.3556	0.2	41311.0
Fe 271.441	83194.4	ppb	74.1334	0.1	139443
K 766.491	2034.98	ppb	2.5132	0.1	100100
Mg 279.078	4899.77	ppb	4.1391	0.1	9860.65
Mn 257.610	9551.50	ppb	10.9742	0.1	2166187
Mo 202.032	11.6119	ppb	0.2347	2.0	86.3095
Na 330.237	1279.58	ppb	235.231	18.4	-21.7103
Ni 231.604	104.856	ppb	1.6066	1.5	250.373
Pb 220.353	875.137	ppb	4.4981	0.5	1411.22
Sb 206.834	10.5802	ppb	1.7239	16.3	15.6650
Se 196.026	3.2370	ppb	1.9078	58.9	4.0655
Sn 189.925	247.056	ppb	2.0505	0.8	187.652
Sr 216.596	88.4965	ppb	0.2472	0.3	875.841
Ti 334.941	1332.40	ppb	0.9802	0.1	339805
Tl 190.794	37.9617	ppb	3.8715	10.2	12.7870
V 292.401	131.614	ppb	0.0750	0.1	3616.66
Zn 206.200	6524.33	ppb	13.8835	0.2	9991.85

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88527-a-37-a^5 (Samp) 3/28/2013, 4:37:56 AM Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2331u	0.1306	-0.2734
Al 308.215	24924.1	24965.1	24946.4
As 188.980	15.7668	29.6387	20.7203
B 249.678	35.5893	36.9315	36.4830
Ba 389.178	461.670	463.664	464.712
Be 313.042	7.2746	7.2982	7.2875
Ca 370.602	35855	35965	35960
Cd 226.502	2.1109	2.4559	2.4259
Co 228.615	29.2609	30.1756	29.1354
Cr 267.716	171.871	171.818	172.268
Cu 324.754	574.064	579.412	582.611
Fe 271.441	90289.3	90430.1	90457.5
K 766.491	1588.72	1583.49	1585.32
Mg 279.078	4747.56	4760.50	4743.49
Mn 257.610	6257.66	6284.21	6263.79
Mo 202.032	13.5704	13.7048	13.7658
Na 330.237	1283.59u	1610.57u	1326.22u
Ni 231.604	65.9965	66.5021	68.2733
Pb 220.353	1076.74	1084.91	1076.60
Sb 206.834	7.4090	8.2578	4.1409
Se 196.026	-4.2874u	4.1550	0.7695
Sn 189.925	243.895	255.574	248.180
Sr 216.596	76.1572	77.6441	77.0032
Ti 334.941	914.683	918.614	918.052
Tl 190.794	21.8857	31.1771	21.1591
V 292.401	90.4104	90.4932	90.6305
Zn 206.200	10719.6	10722.6	10720.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4587	ppb	0.7005	152.7	-40.3800
Al 308.215	24945.2	ppb	20.4953	0.1	143067
As 188.980	22.0419	ppb	7.0297	31.9	13.4913
B 249.678	36.3346	ppb	0.6833	1.9	608.516
Ba 389.178	463.349	ppb	1.5455	0.3	11214.0
Be 313.042	7.2868	ppb	0.0118	0.2	13940.3
Ca 370.602	35927	ppb	62.21	0.2	108846
Cd 226.502	2.3309	ppb	0.1911	8.2	306.013
Co 228.615	29.5240	ppb	0.5679	1.9	371.753
Cr 267.716	171.986	ppb	0.2463	0.1	7242.14
Cu 324.754	578.696	ppb	4.3182	0.7	28073.5
Fe 271.441	90392.3	ppb	90.2097	0.1	151506
K 766.491	1585.84	ppb	2.6536	0.2	78056.8
Mg 279.078	4750.52	ppb	8.8797	0.2	9609.10
Mn 257.610	6268.55	ppb	13.9003	0.2	1421775
Mo 202.032	13.6803	ppb	0.0999	0.7	99.4092
Na 330.237	1406.80	ppb	177.759	12.6	-45.0761
Ni 231.604	66.9240	ppb	1.1956	1.8	160.849
Pb 220.353	1079.42	ppb	4.7576	0.4	1739.42
Sb 206.834	6.6026	ppb	2.1737	32.9	11.0974
Se 196.026	0.2124	ppb	4.2487	2000.8	1.9471
Sn 189.925	249.216	ppb	5.9079	2.4	189.283
Sr 216.596	76.9348	ppb	0.7458	1.0	769.313
Ti 334.941	917.116	ppb	2.1263	0.2	233894
Tl 190.794	24.7406	ppb	5.5860	22.6	6.9751
V 292.401	90.5114	ppb	0.1111	0.1	2484.96
Zn 206.200	10720.8	ppb	1.6177	0.01	16269.5

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88527-a-38-a^5 (Samp) 3/28/2013, 4:43:22 AM Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1253	0.0356	0.3795
Al 308.215	23256.6	23346.4	23216.3
As 188.980	27.3309	21.0924	21.3496
B 249.678	7.0321u	9.0967	8.4796
Ba 389.178	562.610	566.251	563.802
Be 313.042	5.5085	5.5501	5.5022
Ca 370.602	33311	33563	33348
Cd 226.502	3.9526	4.1222	4.0773
Co 228.615	32.4687	33.2444	33.0552
Cr 267.716	151.944	152.610	151.563
Cu 324.754	372.637	375.401	371.061
Fe 271.441	79739.0	79961.1	79488.1
K 766.491	1840.26	1845.47	1836.31
Mg 279.078	3575.88	3582.21	3562.49
Mn 257.610	10583.6	10619.5	10548.8
Mo 202.032	11.0799	11.3671	11.1420
Na 330.237	1296.20u	1135.85u	977.052u
Ni 231.604	49.5594	51.7734	51.7101
Pb 220.353	801.290	801.088	802.608
Sb 206.834	5.2981	1.3835	6.8595
Se 196.026	4.8163	14.4179	-3.7506
Sn 189.925	172.701	163.435	164.650
Sr 216.596	82.6899	83.1485	82.1462
Ti 334.941	925.949	933.806	927.516
Tl 190.794	44.3488	26.6805	40.2783
V 292.401	78.5601	79.2833	79.1042
Zn 206.200	7655.16	7661.22	7640.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0966	ppb	0.2578	266.9	16.5326
Al 308.215	23273.1	ppb	66.6182	0.3	133493
As 188.980	23.2577	ppb	3.5299	15.2	14.2297
B 249.678	8.2028	ppb	1.0598	12.9	360.621
Ba 389.178	564.221	ppb	1.8561	0.3	13608.7
Be 313.042	5.5203	ppb	0.0260	0.5	10519.1
Ca 370.602	33407	ppb	136.1	0.4	101722
Cd 226.502	4.0507	ppb	0.0879	2.2	342.408
Co 228.615	32.9228	ppb	0.4045	1.2	411.399
Cr 267.716	152.039	ppb	0.5299	0.3	6422.46
Cu 324.754	373.033	ppb	2.1967	0.6	18140.7
Fe 271.441	79729.4	ppb	236.629	0.3	133636
K 766.491	1840.68	ppb	4.5984	0.2	90563.9
Mg 279.078	3573.53	ppb	10.0718	0.3	7143.67
Mn 257.610	10584.0	ppb	35.3737	0.3	2400287
Mo 202.032	11.1963	ppb	0.1511	1.3	83.8687
Na 330.237	1136.37	ppb	159.574	14.0	-33.1824
Ni 231.604	51.0143	ppb	1.2604	2.5	123.040
Pb 220.353	801.662	ppb	0.8252	0.1	1293.50
Sb 206.834	4.5137	ppb	2.8210	62.5	8.6950
Se 196.026	5.1612	ppb	9.0892	176.1	5.1749
Sn 189.925	166.929	ppb	5.0359	3.0	127.056
Sr 216.596	82.6615	ppb	0.5018	0.6	819.536
Ti 334.941	929.090	ppb	4.1584	0.4	236941
Tl 190.794	37.1025	ppb	9.2524	24.9	11.3206
V 292.401	78.9826	ppb	0.3767	0.5	2169.79
Zn 206.200	7652.23	ppb	10.7591	0.1	11613.5

mb 680-270553/1-a (Samp) 3/28/2013, 4:48:49 AM Rack 3, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7332u	-1.7846u	-1.4430u
Al 308.215	4.1485	2.3707	4.0567
As 188.980	-12.8632u	-1.5026u	-5.9895u
B 249.678	-30.3244u	-29.9925u	-31.2780u
Ba 389.178	0.0812	0.0690	-0.7672u
Be 313.042	-0.0472u	-0.0385u	-0.0259u
Ca 370.602	16.17	13.91	17.66
Cd 226.502	0.0783	-0.1270u	-0.0896u
Co 228.615	-0.1511u	-0.5338u	-0.1498u
Cr 267.716	-0.1046u	0.1760	-0.0961u
Cu 324.754	-0.8566u	0.3031	-0.4659u
Fe 271.441	7.4504	17.8711	21.4355
K 766.491	10.3875	10.4979	10.0928
Mg 279.078	10.4344	2.9334	5.3742
Mn 257.610	0.0814	0.1070	0.1313
Mo 202.032	-1.5982u	-0.3293u	-0.9678u
Na 330.237	54.4529	47.0495	-39.8732u
Ni 231.604	1.9849	3.3241	4.1999
Pb 220.353	-0.0841u	-2.3244u	-1.3114u
Sb 206.834	1.4802	1.7721	0.0054
Se 196.026	4.3345	3.4327	-1.1011u
Sn 189.925	12.4296	13.2641	13.2140
Sr 216.596	-0.3856u	0.0767	-0.3314u
Ti 334.941	0.1952	0.1731	0.0933
Tl 190.794	-7.2249u	-3.4404u	-8.9961u
V 292.401	0.6495	0.1846	0.4729
Zn 206.200	2.2895	2.1351	0.1298

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3203	ppb	0.5364	40.6	-124.282
Al 308.215	3.5253	ppb	1.0010	28.4	263.767
As 188.980	-6.7851	ppb	5.7219	84.3	-1.6125
B 249.678	-30.5317	ppb	0.6673	2.2	78.7321
Ba 389.178	-0.2057	ppb	0.4864	236.5	-23.2662
Be 313.042	-0.0372	ppb	0.0107	28.8	-244.515
Ca 370.602	15.91	ppb	1.890	11.9	46.45
Cd 226.502	-0.0461	ppb	0.1094	237.3	11.3933
Co 228.615	-0.2782	ppb	0.2213	79.5	10.5266
Cr 267.716	-0.0082	ppb	0.1596	1943.2	9.0570
Cu 324.754	-0.3398	ppb	0.5900	173.6	91.3316
Fe 271.441	15.5857	ppb	7.2673	46.6	28.6112
K 766.491	10.3261	ppb	0.2095	2.0	732.066
Mg 279.078	6.2474	ppb	3.8260	61.2	34.5281
Mn 257.610	0.1066	ppb	0.0250	23.4	95.9010
Mo 202.032	-0.9651	ppb	0.6345	65.7	9.0467
Na 330.237	20.5431	ppb	52.4528	255.3	-2.7759
Ni 231.604	3.1697	ppb	1.1155	35.2	8.4425
Pb 220.353	-1.2400	ppb	1.1218	90.5	0.4819
Sb 206.834	1.0859	ppb	0.9471	87.2	2.3420
Se 196.026	2.2220	ppb	2.9131	131.1	1.1859
Sn 189.925	12.9692	ppb	0.4680	3.6	10.6213
Sr 216.596	-0.2135	ppb	0.2527	118.4	8.4753
Ti 334.941	0.1539	ppb	0.0536	34.9	9.1844
Tl 190.794	-6.5538	ppb	2.8380	43.3	-4.5848
V 292.401	0.4357	ppb	0.2347	53.9	6.4916
Zn 206.200	1.5181	ppb	1.2048	79.4	5.0641

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ics 680-270553/2-a (Samp) 3/28/2013, 4:54:15 AM Rack 3, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.7645	9.6392	10.4252
Al 308.215	5115.01	5121.44	5131.97
As 188.980	100.419	93.9062	99.1183
B 249.678	175.673	177.647	178.507
Ba 389.178	104.362	105.812	105.241
Be 313.042	53.2566	53.2293	53.3909
Ca 370.602	5070	5066	5093
Cd 226.502	53.4022	53.2145	53.3168
Co 228.615	52.3200	52.8025	52.8782
Cr 267.716	105.925	105.073	105.833
Cu 324.754	102.876	103.837	104.378
Fe 271.441	5200.85	5221.67	5235.47
K 766.491	5178.45	5182.07	5197.62
Mg 279.078	5189.68	5179.89	5184.66
Mn 257.610	536.112	536.201	537.238
Mo 202.032	101.667	101.188	101.915
Na 330.237	5046.35	5035.55	5185.92
Ni 231.604	105.534	105.601	105.390
Pb 220.353	51.8506	53.8461	52.1239
Sb 206.834	45.2567	51.0693	50.3661
Se 196.026	98.8267	102.977	105.997
Sn 189.925	223.247	223.221	221.242
Sr 216.596	106.472	104.794	106.890
Ti 334.941	104.314	104.288	104.644
Tl 190.794	45.2931	39.3283	35.6865
V 292.401	105.530	105.281	105.660
Zn 206.200	105.601	104.768	105.005

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9430	ppb	0.4223	4.2	661.335
Al 308.215	5122.81	ppb	8.5614	0.2	29585.8
As 188.980	97.8146	ppb	3.4467	3.5	55.1429
B 249.678	177.276	ppb	1.4532	0.8	1977.32
Ba 389.178	105.138	ppb	0.7303	0.7	2519.75
Be 313.042	53.2923	ppb	0.0865	0.2	102978
Ca 370.602	5076	ppb	14.54	0.3	15987
Cd 226.502	53.3111	ppb	0.0940	0.2	1922.92
Co 228.615	52.6669	ppb	0.3028	0.6	615.349
Cr 267.716	105.610	ppb	0.4677	0.4	4426.43
Cu 324.754	103.697	ppb	0.7608	0.7	5117.62
Fe 271.441	5219.33	ppb	17.4283	0.3	8759.18
K 766.491	5186.05	ppb	10.1866	0.2	254751
Mg 279.078	5184.74	ppb	4.8929	0.1	10573.1
Mn 257.610	536.517	ppb	0.6262	0.1	121773
Mo 202.032	101.590	ppb	0.3696	0.4	670.747
Na 330.237	5089.27	ppb	83.8716	1.6	251.513
Ni 231.604	105.508	ppb	0.1079	0.1	250.445
Pb 220.353	52.6068	ppb	1.0819	2.1	86.9294
Sb 206.834	48.8973	ppb	3.1725	6.5	48.2149
Se 196.026	102.600	ppb	3.6002	3.5	47.3295
Sn 189.925	222.570	ppb	1.1501	0.5	169.125
Sr 216.596	106.052	ppb	1.1094	1.0	1006.91
Ti 334.941	104.415	ppb	0.1987	0.2	26620.9
Tl 190.794	40.1026	ppb	4.8499	12.1	25.5397
V 292.401	105.490	ppb	0.1928	0.2	2871.05
Zn 206.200	105.125	ppb	0.4293	0.4	161.994

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ics 680-270553/3-a (Samp) 3/28/2013, 4:59:41 AM Rack 3, Tube 22
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	209.097	209.191	207.714
Al 308.215	2112.69	2091.73	2097.87
As 188.980	205.612	199.232	201.794
B 249.678	371.393	371.120	372.689
Ba 389.178	198.749	198.617	196.265
Be 313.042	203.289	202.118	201.425
Ca 370.602	19518	19408	19334
Cd 226.502	199.963	197.756	197.770
Co 228.615	199.496	200.069	198.296
Cr 267.716	199.854	198.995	198.201
Cu 324.754	200.124	199.907	199.635
Fe 271.441	20627.7	20502.7	20433.5
K 766.491	19576.2	19501.6	19527.6
Mg 279.078	19905.8	19750.0	19698.9
Mn 257.610	2046.08	2033.90	2024.03
Mo 202.032	198.150	196.113	194.464
Na 330.237	17759.5	17484.6	17375.8
Ni 231.604	202.307	198.941	195.883
Pb 220.353	198.446	194.795	196.776
Sb 206.834	184.718	186.643	182.760
Se 196.026	196.336	200.978	192.472
Sn 189.925	215.611	216.813	215.270
Sr 216.596	212.811	211.789	209.885
Ti 334.941	201.083	200.246	199.785
Tl 190.794	43.9787	43.9803	46.2858
V 292.401	199.431	198.913	197.936
Zn 206.200	186.628	190.340	189.190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	208.667	ppb	0.8268	0.4	14553.2
Al 308.215	2100.76	ppb	10.7734	0.5	12293.9
As 188.980	202.212	ppb	3.2106	1.6	111.769
B 249.678	371.734	ppb	0.8382	0.2	3744.40
Ba 389.178	197.877	ppb	1.3976	0.7	4801.39
Be 313.042	202.277	ppb	0.9423	0.5	391382
Ca 370.602	19420	ppb	92.43	0.5	61084
Cd 226.502	198.496	ppb	1.2699	0.6	7126.91
Co 228.615	199.287	ppb	0.9051	0.5	2291.39
Cr 267.716	199.017	ppb	0.8270	0.4	8338.41
Cu 324.754	199.889	ppb	0.2446	0.1	9767.89
Fe 271.441	20521.3	ppb	98.4199	0.5	34428.5
K 766.491	19535.2	ppb	37.8600	0.2	958990
Mg 279.078	19784.9	ppb	107.743	0.5	40290.5
Mn 257.610	2034.67	ppb	11.0448	0.5	461610
Mo 202.032	196.243	ppb	1.8465	0.9	1280.99
Na 330.237	17540.0	ppb	197.726	1.1	877.882
Ni 231.604	199.044	ppb	3.2134	1.6	471.826
Pb 220.353	196.672	ppb	1.8277	0.9	318.852
Sb 206.834	184.707	ppb	1.9413	1.1	179.040
Se 196.026	196.595	ppb	4.2586	2.2	90.7953
Sn 189.925	215.898	ppb	0.8105	0.4	164.089
Sr 216.596	211.495	ppb	1.4850	0.7	2002.46
Ti 334.941	200.371	ppb	0.6578	0.3	51153.3
Tl 190.794	44.7483	ppb	1.3315	3.0	26.6909
V 292.401	198.760	ppb	0.7594	0.4	5413.88
Zn 206.200	188.719	ppb	1.9003	1.0	288.665

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680-88518-a-21-c (Samp) 3/28/2013, 5:05:07 AM Rack 3, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3391u	0.1393	0.1233
Al 308.215	66796.2	66649.6	66565.3
As 188.980	257.305	239.679	252.812
B 249.678	-15.2011u	-16.2218u	-17.2517u
Ba 389.178	768.950	766.180	766.660
Be 313.042	3.4067	3.4044	3.3973
Ca 370.602	20287	20217	20143
Cd 226.502	-0.4566	-0.2341	-0.5979
Co 228.615	20.2199	20.6689	21.3207
Cr 267.716	103.113	103.504	103.130
Cu 324.754	712.369	718.765	717.432
Fe 271.441	123758	123672	123699
K 766.491	5444.24	5454.27	5464.71
Mg 279.078	3679.11	3672.11	3669.42
Mn 257.610	480.347	479.281	479.276
Mo 202.032	9.7772	9.9274	9.2483
Na 330.237	168.356u	204.752u	131.672u
Ni 231.604	38.6310	42.4154	42.3660
Pb 220.353	1421.84	1417.95	1412.58
Sb 206.834	14.3514	24.1748	27.0185
Se 196.026	2.2258	6.6996	-7.6642u
Sn 189.925	110.634	106.744	110.378
Sr 216.596	270.636	271.191	269.724
Ti 334.941	1728.11	1726.20	1724.27
Tl 190.794	0.4947u	-4.9357u	14.2233
V 292.401	306.150	306.281	305.532
Zn 206.200	836.781	830.051	825.820

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0255	ppb	0.2717	1066.2	-41.5110
Al 308.215	66670.4	ppb	116.829	0.2	381959
As 188.980	249.932	ppb	9.1592	3.7	136.805
B 249.678	-16.2249	ppb	1.0253	6.3	96.7950
Ba 389.178	767.264	ppb	1.4800	0.2	18532.3
Be 313.042	3.4028	ppb	0.0049	0.1	6412.53
Ca 370.602	20216	ppb	71.87	0.4	55382
Cd 226.502	-0.4295	ppb	0.1834	42.7	284.767
Co 228.615	20.7365	ppb	0.5535	2.7	290.996
Cr 267.716	103.249	ppb	0.2213	0.2	4353.79
Cu 324.754	716.189	ppb	3.3742	0.5	34719.2
Fe 271.441	123709	ppb	44.2783	0.0	207347
K 766.491	5454.41	ppb	10.2375	0.2	267922
Mg 279.078	3673.55	ppb	5.0039	0.1	7498.91
Mn 257.610	479.635	ppb	0.6164	0.1	109185
Mo 202.032	9.6510	ppb	0.3567	3.7	71.5499
Na 330.237	168.260	ppb	36.5403	21.7	-51.1895
Ni 231.604	41.1374	ppb	2.1708	5.3	100.522
Pb 220.353	1417.46	ppb	4.6513	0.3	2280.91
Sb 206.834	21.8482	ppb	6.6464	30.4	25.7421
Se 196.026	0.4204	ppb	7.3501	1748.4	0.8061
Sn 189.925	109.252	ppb	2.1761	2.0	83.4353
Sr 216.596	270.517	ppb	0.7411	0.3	2603.69
Ti 334.941	1726.19	ppb	1.9224	0.1	440235
Tl 190.794	3.2608	ppb	9.8745	302.8	-2.6574
V 292.401	305.988	ppb	0.4001	0.1	8429.42
Zn 206.200	830.884	ppb	5.5275	0.7	1263.29

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2691u	-1.7233u	-1.9541u
Al 308.215	74803.4	74920.9	74879.7
As 188.980	48.7582	54.3461	63.1468
B 249.678	-24.5201u	-27.5352u	-27.5990u
Ba 389.178	383.560	385.671	383.989
Be 313.042	2.6889	2.6709	2.6685
Ca 370.602	14232	14262	14253
Cd 226.502	-0.9611	-0.4643	-0.8890
Co 228.615	18.7862	18.4641	18.6433
Cr 267.716	140.581	141.114	140.847
Cu 324.754	425.964	423.019	425.820
Fe 271.441	116282	116640	116602
K 766.491	5587.56	5616.26	5606.69
Mg 279.078	3921.08	3920.60	3928.96
Mn 257.610	561.680	562.527	561.623
Mo 202.032	11.0331	10.6569	10.3517
Na 330.237	-73.0599u	314.735u	194.079u
Ni 231.604	33.9474	34.1203	34.8830
Pb 220.353	470.080	466.082	472.119
Sb 206.834	14.4297	23.3939	14.2253
Se 196.026	-3.2300u	6.7424	-3.5490u
Sn 189.925	95.4083	94.7650	97.5550
Sr 216.596	128.556	128.134	127.733
Ti 334.941	1600.70	1603.44	1600.03
Tl 190.794	6.0538u	10.7113	5.0169u
V 292.401	469.278	471.342	470.863
Zn 206.200	470.378	468.151	471.441

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6488	ppb	0.3485	21.1	-147.761
Al 308.215	74868.0	ppb	59.6602	0.1	428892
As 188.980	55.4171	ppb	7.2538	13.1	31.2215
B 249.678	-26.5514	ppb	1.7594	6.6	8.9055
Ba 389.178	384.406	ppb	1.1158	0.3	9361.77
Be 313.042	2.6761	ppb	0.0112	0.4	4998.73
Ca 370.602	14249	ppb	15.32	0.1	36709
Cd 226.502	-0.7715	ppb	0.2684	34.8	255.585
Co 228.615	18.6312	ppb	0.1614	0.9	264.280
Cr 267.716	140.847	ppb	0.2665	0.2	5922.86
Cu 324.754	424.934	ppb	1.6600	0.4	20653.3
Fe 271.441	116508	ppb	196.558	0.2	195278
K 766.491	5603.50	ppb	14.6105	0.3	275239
Mg 279.078	3923.55	ppb	4.6926	0.1	8003.16
Mn 257.610	561.944	ppb	0.5064	0.1	127830
Mo 202.032	10.6806	ppb	0.3413	3.2	78.2473
Na 330.237	145.251	ppb	198.455	136.6	-46.6524
Ni 231.604	34.3169	ppb	0.4978	1.5	84.2654
Pb 220.353	469.427	ppb	3.0706	0.7	755.630
Sb 206.834	17.3496	ppb	5.2355	30.2	21.6183
Se 196.026	-0.0122	ppb	5.8518	47976.8	0.6068
Sn 189.925	95.9095	ppb	1.4609	1.5	73.3437
Sr 216.596	128.141	ppb	0.4115	0.3	1259.58
Ti 334.941	1601.39	ppb	1.8094	0.1	408407
Tl 190.794	7.2607	ppb	3.0330	41.8	0.2049
V 292.401	470.494	ppb	1.0800	0.2	12949.9
Zn 206.200	469.990	ppb	1.6794	0.4	715.539

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Cont Calib Verif (CCV) 3/28/2013, 5:16:00 AM Rack 3, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	489.347	486.549	489.032
Al 308.215	4942.38	4948.62	4941.15
As 188.980	465.263	471.765	472.152
B 249.678	2468.21	2495.78	2513.84
Ba 389.178	4883.27	4885.15	4864.28
Be 313.042	487.369	486.584	485.518
Ca 370.602	4877	4873	4849
Cd 226.502	487.150	489.647	488.501
Co 228.615	492.407	494.443	493.755
Cr 267.716	4882.03	4869.09	4857.43
Cu 324.754	4865.46	4711.28	4728.02
Fe 271.441	4933.95	4951.87	4942.99
K 766.491	9921.43	9939.30	9884.69
Mg 279.078	4860.66	4874.96	4850.69
Mn 257.610	4926.58	4936.14	4924.80
Mo 202.032	482.206	481.294	481.807
Na 330.237	7476.36	7489.63	7291.27
Ni 231.604	2455.16	2456.66	2448.22
Pb 220.353	488.148	485.309	484.224
Sb 206.834	896.760	904.689	910.898
Se 196.026	4774.83	4805.09	4747.33
Sn 189.925	5001.64	4914.94	4908.73
Sr 216.596	2445.06	2428.89	2422.47
Ti 334.941	491.630	489.705	487.879
Tl 190.794	4955.37	4916.92	4901.18
V 292.401	4896.82	4910.65	4897.52
Zn 206.200	2435.43	2445.66	2431.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.309	ppb	1.5327	0.3	34044.3	97.66182
Al 308.215	4944.05	ppb	4.0090	0.1	28527.4	98.88097
As 188.980	469.727	ppb	3.8700	0.8	256.971	93.94533
B 249.678	2492.61	ppb	22.9831	0.9	23183.9	99.70435
Ba 389.178	4877.57	ppb	11.5433	0.2	116724	97.55137
Be 313.042	486.491	ppb	0.9288	0.2	941371	97.29810
Ca 370.602	4866	ppb	15.02	0.3	15571	97.32203
Cd 226.502	488.433	ppb	1.2499	0.3	17411.9	97.68655
Co 228.615	493.535	ppb	1.0360	0.2	5666.93	98.70701
Cr 267.716	4869.52	ppb	12.3017	0.3	203552	97.39034
Cu 324.754	4768.25	ppb	84.5984	1.8	230293	95.36498
Fe 271.441	4942.94	ppb	8.9608	0.2	8406.56	98.85875
K 766.491	9915.14	ppb	27.8440	0.3	486850	99.15144
Mg 279.078	4862.10	ppb	12.2027	0.3	9847.94	97.24208
Mn 257.610	4929.17	ppb	6.1005	0.1	1117833	98.58344
Mo 202.032	481.769	ppb	0.4570	0.1	3117.18	96.35380
Na 330.237	7419.09	ppb	110.890	1.5	349.809	98.92117
Ni 231.604	2453.35	ppb	4.5026	0.2	5800.16	98.13386
Pb 220.353	485.893	ppb	2.0262	0.4	784.095	97.17867
Sb 206.834	904.115	ppb	7.0862	0.8	909.028	90.41154
Se 196.026	4775.75	ppb	28.8898	0.6	2190.19	95.51496
Sn 189.925	4941.77	ppb	51.9445	1.1	3737.79	98.83541
Sr 216.596	2432.14	ppb	11.6416	0.5	22869.0	97.28554
Ti 334.941	489.738	ppb	1.8755	0.4	124889	97.94755
Tl 190.794	4924.49	ppb	27.8779	0.6	3246.99	98.48981
V 292.401	4901.66	ppb	7.7929	0.2	134431	98.03328
Zn 206.200	2437.37	ppb	7.5108	0.3	2686.57	97.49487

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Cont Calib Blank (CCB) 3/28/2013, 5:21:27 AM Rack 3, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0065u	-0.9052u	-0.3885u
Al 308.215	-1.4242u	0.2141	3.3647
As 188.980	-1.9961u	3.9330	-3.2648u
B 249.678	32.1387	25.5822	21.7682
Ba 389.178	-0.4161u	-0.1569u	-0.0826u
Be 313.042	-0.0358u	-0.0319u	-0.0233u
Ca 370.602	-6.569u	-6.019u	-1.438u
Cd 226.502	-0.1544u	0.1823	-0.0223u
Co 228.615	0.0222	-0.3652u	-0.4060u
Cr 267.716	-0.1170u	-0.2298u	-0.1100u
Cu 324.754	-0.9733u	-0.5852u	0.0781
Fe 271.441	0.9592	4.0513	3.3750
K 766.491	-0.1584u	-0.6852u	-0.0833u
Mg 279.078	1.6448	4.1345	2.5733
Mn 257.610	-0.1283u	-0.1303u	-0.0698u
Mo 202.032	-0.7375u	0.0367	-0.0246u
Na 330.237	-45.9696u	203.153	59.0516
Ni 231.604	1.0779	0.3633	-0.8442u
Pb 220.353	0.7099	-0.6004u	0.2060
Sb 206.834	6.7434	3.3722	2.9603
Se 196.026	-7.3275u	-0.6916u	1.2276
Sn 189.925	2.6902	-1.6515u	-2.8956u
Sr 216.596	0.3361	-0.1314u	0.0459
Ti 334.941	-0.0014u	-0.0378u	-0.0584u
Tl 190.794	1.5355	-1.3520u	-1.1295u
V 292.401	0.5097	0.3080	0.2162
Zn 206.200	-0.0725u	0.3887	0.2791

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7667	ppb	0.3315	43.2	-85.5995	-0.76671
Al 308.215	0.7182	ppb	2.4339	338.9	247.824	0.71822
As 188.980	-0.4426	ppb	3.8421	868.0	1.8306	-0.44262
B 249.678	26.4964	ppb	5.2454	19.8	601.072	26.49637
Ba 389.178	-0.2185	ppb	0.1751	80.1	-23.5990	-0.21854
Be 313.042	-0.0303	ppb	0.0064	21.1	-231.408	-0.03035
Ca 370.602	-4.676	ppb	2.817	60.3	-18.87	-4.67552
Cd 226.502	0.0019	ppb	0.1697	8978.4	13.0677	0.00189
Co 228.615	-0.2497	ppb	0.2363	94.7	10.8244	-0.24969
Cr 267.716	-0.1523	ppb	0.0673	44.2	3.0319	-0.15227
Cu 324.754	-0.4935	ppb	0.5317	107.7	83.9343	-0.49347
Fe 271.441	2.7952	ppb	1.6256	58.2	7.1206	2.79519
K 766.491	-0.3090	ppb	0.3280	106.1	210.109	-0.30900
Mg 279.078	2.7842	ppb	1.2582	45.2	27.4763	2.78422
Mn 257.610	-0.1095	ppb	0.0344	31.4	46.8630	-0.10945
Mo 202.032	-0.2418	ppb	0.4304	178.0	13.7171	-0.24180
Na 330.237	72.0783	ppb	125.071	173.5	-0.1431	72.07830
Ni 231.604	0.1990	ppb	0.9715	488.2	1.4203	0.19899
Pb 220.353	0.1052	ppb	0.6610	628.3	2.6450	0.10519
Sb 206.834	4.3587	ppb	2.0755	47.6	5.4508	4.35865
Se 196.026	-2.2638	ppb	4.4891	198.3	-0.8702	-2.26382
Sn 189.925	-0.6190	ppb	2.9325	473.8	0.3459	-0.61897
Sr 216.596	0.0835	ppb	0.2360	282.6	11.2824	0.08351
Ti 334.941	-0.0325	ppb	0.0289	88.7	-38.3693	-0.03254
Tl 190.794	-0.3153	ppb	1.6067	509.5	-0.4667	-0.31533
V 292.401	0.3446	ppb	0.1502	43.6	3.8067	0.34462
Zn 206.200	0.1984	ppb	0.2410	773.4	3.0622	0.19845

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3619u	-0.3548u	0.8190
Al 308.215	71175.9	71930.8	71446.6
As 188.980	11.9538	3.3047	11.7653
B 249.678	-12.6609u	-14.0372u	-12.9765u
Ba 389.178	121.500	122.827	121.524
Be 313.042	1.3387	1.3535	1.3498
Ca 370.602	4218	4225	4217
Cd 226.502	-1.3225	-1.1619	-1.2122
Co 228.615	3.8052	3.9234	4.8638
Cr 267.716	111.038	112.429	111.958
Cu 324.754	31.7022	30.6414	31.8013
Fe 271.441	98974.3	100019	99129.6
K 766.491	1547.64	1558.25	1545.19
Mg 279.078	1465.14	1478.54	1471.02
Mn 257.610	236.963	240.153	238.134
Mo 202.032	2.4387	1.8190	3.1966
Na 330.237	58.7269u	172.668u	348.437u
Ni 231.604	17.5918	20.3934	18.3852
Pb 220.353	44.0122	42.0342	44.3405
Sb 206.834	2.5382	0.6659	-1.5485
Se 196.026	2.3278	-9.0815u	11.9482
Sn 189.925	15.9808	21.8514	18.5164
Sr 216.596	22.5176	24.4369	24.2552
Ti 334.941	646.147	653.768	650.037
Tl 190.794	3.0110u	4.9442u	1.8246u
V 292.401	209.710	212.124	209.979
Zn 206.200	44.0206	41.2724	40.9684

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2992	ppb	1.0915	364.8	-51.7491
Al 308.215	71517.8	ppb	382.452	0.5	409713
As 188.980	9.0079	ppb	4.9401	54.8	6.1056
B 249.678	-13.2249	ppb	0.7210	5.5	146.591
Ba 389.178	121.951	ppb	0.7594	0.6	3049.48
Be 313.042	1.3474	ppb	0.0077	0.6	2434.16
Ca 370.602	4220	ppb	4.439	0.1	5558
Cd 226.502	-1.2322	ppb	0.0821	6.7	199.443
Co 228.615	4.1974	ppb	0.5801	13.8	75.4176
Cr 267.716	111.808	ppb	0.7076	0.6	4704.74
Cu 324.754	31.3816	ppb	0.6430	2.0	1649.32
Fe 271.441	99374.5	ppb	563.937	0.6	166557
K 766.491	1550.36	ppb	6.9425	0.4	76315.4
Mg 279.078	1471.57	ppb	6.7147	0.5	3012.02
Mn 257.610	238.417	ppb	1.6137	0.7	54408.9
Mo 202.032	2.4847	ppb	0.6900	27.8	26.5359
Na 330.237	193.277	ppb	145.950	75.5	-28.6744
Ni 231.604	18.7901	ppb	1.4441	7.7	47.2428
Pb 220.353	43.4623	ppb	1.2476	2.9	70.8377
Sb 206.834	0.5519	ppb	2.0457	370.7	5.0129
Se 196.026	1.7315	ppb	10.5275	608.0	1.2854
Sn 189.925	18.7829	ppb	2.9444	15.7	15.0171
Sr 216.596	23.7366	ppb	1.0595	4.5	269.670
Ti 334.941	649.984	ppb	3.8111	0.6	165756
Tl 190.794	3.2599	ppb	1.5746	48.3	-1.6320
V 292.401	210.604	ppb	1.3232	0.6	5789.69
Zn 206.200	42.0871	ppb	1.6813	4.0	662815

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9024u	-1.1593u	-0.8293u
Al 308.215	73068.4	73189.6	73128.3
As 188.980	19.1547	23.4343	24.9848
B 249.678	-47.3643u	-48.8819u	-48.6105u
Ba 389.178	63.6262	63.3719	65.6553
Be 313.042	2.8403	2.8693	2.8494
Ca 370.602	3890u	3788u	3776u
Cd 226.502	-5.0504	-4.9263	-5.0354
Co 228.615	23.2082	23.5143	23.8300
Cr 267.716	290.930	292.862	292.588
Cu 324.754	82.7323	83.3191	83.7557
Fe 271.441	373470	374529	373391
K 766.491	1133.63	1134.26	1132.50
Mg 279.078	1301.35	1308.34	1302.25
Mn 257.610	772.337	774.225	774.091
Mo 202.032	6.8029	6.1367	5.5879
Na 330.237	17.1780u	-181.748u	-75.7451u
Ni 231.604	12.0945	10.4716	11.3600
Pb 220.353	80.3387	80.6507	78.2535
Sb 206.834	-10.0636	-5.5359	0.8468
Se 196.026	4.5600	9.2574	10.4279
Sn 189.925	18.5783	19.3664	20.5528
Sr 216.596	16.7567	15.7875	17.9921
Ti 334.941	2282.55	2297.93	2300.09
Tl 190.794	4.8183u	11.4384u	9.9627u
V 292.401	505.396	507.350	505.832
Zn 206.200	49.7418	48.8017	50.7314

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2970	ppb	0.5497	42.4	-118.261
Al 308.215	73128.8	ppb	60.5795	0.1	418932
As 188.980	22.5246	ppb	3.0196	13.4	10.9900
B 249.678	-48.2856	ppb	0.8093	1.7	-425.039
Ba 389.178	64.2178	ppb	1.2514	1.9	2070.10
Be 313.042	2.8530	ppb	0.0148	0.5	5332.50
Ca 370.602	3818	ppb	62.86	1.6	-18043
Cd 226.502	-5.0040	ppb	0.0677	1.4	701.409
Co 228.615	23.5175	ppb	0.3109	1.3	329.963
Cr 267.716	292.127	ppb	1.0452	0.4	12301.6
Cu 324.754	83.2690	ppb	0.5136	0.6	4230.16
Fe 271.441	373797	ppb	635.590	0.2	626497
K 766.491	1133.46	ppb	0.8935	0.1	55854.3
Mg 279.078	1303.98	ppb	3.8052	0.3	2709.89
Mn 257.610	773.551	ppb	1.0535	0.1	176490
Mo 202.032	6.1758	ppb	0.6084	9.9	37.6288
Na 330.237	-80.1048	ppb	99.5347	124.3	-136.376
Ni 231.604	11.3087	ppb	0.8127	7.2	34.6800
Pb 220.353	79.7476	ppb	1.3033	1.6	128.429
Sb 206.834	-4.9176	ppb	5.4814	111.5	7.4263
Se 196.026	8.0818	ppb	3.1056	38.4	5.0640
Sn 189.925	19.4992	ppb	0.9940	5.1	15.5528
Sr 216.596	16.8454	ppb	1.1050	6.6	303.004
Ti 334.941	2293.52	ppb	9.5671	0.4	584939
Tl 190.794	8.7398	ppb	3.4753	39.8	-7.7258
V 292.401	506.193	ppb	1.0259	0.2	13934.5
Zn 206.200	49.7583	ppb	0.9649	1.9	773.2705

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5146u	-2.1511u	-1.8932u
Al 308.215	76810.2	76811.7	76792.2
As 188.980	110.487	108.117	118.837
B 249.678	80.1613	83.4758	85.0069
Ba 389.178	1367.82	1369.47	1367.83
Be 313.042	15.2451	15.2857	15.2670
Ca 370.602	217697	219544	218206
Cd 226.502	1.6802	2.2144	1.7946
Co 228.615	26.6547	27.0355	26.2987
Cr 267.716	43.0965	43.6453	43.5916
Cu 324.754	263.554	262.959	265.216
Fe 271.441	84605.6	84742.6	84702.4
K 766.491	12551.7	12553.7	12590.0
Mg 279.078	27466.7	27510.9	27453.8
Mn 257.610	5437.78	5448.82	5445.44
Mo 202.032	20.9645	22.0342	21.0874
Na 330.237	1748.76	2260.86	1896.65
Ni 231.604	41.0833	40.3818	41.4312
Pb 220.353	996.191	1001.36	1004.81
Sb 206.834	1.9814	4.0439	-0.2304
Se 196.026	2.8055	-0.8388	-4.6351u
Sn 189.925	65.0899	63.0979	59.1855
Sr 216.596	658.117	658.025	657.794
Ti 334.941	1558.59	1559.50	1562.52
Tl 190.794	21.2351	21.7539	14.9690
V 292.401	126.308	127.083	127.172
Zn 206.200	537.243	538.121	538.725

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8530	ppb	0.3202	17.3	-165.919
Al 308.215	76804.7	ppb	10.8344	0.0	439987
As 188.980	112.480	ppb	5.6312	5.0	63.9888
B 249.678	82.8813	ppb	2.4769	3.0	1040.20
Ba 389.178	1368.38	ppb	0.9519	0.1	32922.1
Be 313.042	15.2659	ppb	0.0203	0.1	29452.2
Ca 370.602	218483	ppb	954.1	0.4	698701
Cd 226.502	1.8964	ppb	0.2813	14.8	277.234
Co 228.615	26.6630	ppb	0.3685	1.4	355.396
Cr 267.716	43.4445	ppb	0.3025	0.7	1865.67
Cu 324.754	263.910	ppb	1.1698	0.4	12873.3
Fe 271.441	84683.5	ppb	70.3812	0.1	141938
K 766.491	12565.2	ppb	21.5383	0.2	616910
Mg 279.078	27477.1	ppb	29.9217	0.1	55894.7
Mn 257.610	5444.01	ppb	5.6533	0.1	1234917
Mo 202.032	21.3620	ppb	0.5854	2.7	149.202
Na 330.237	1968.76	ppb	263.557	13.4	55.1746
Ni 231.604	40.9654	ppb	0.5345	1.3	99.3891
Pb 220.353	1000.79	ppb	4.3387	0.4	1611.49
Sb 206.834	1.9316	ppb	2.1376	110.7	5.2398
Se 196.026	-0.8894	ppb	3.7206	418.3	1.2373
Sn 189.925	62.4577	ppb	3.0038	4.8	48.1262
Sr 216.596	657.979	ppb	0.1666	0.0	6256.31
Ti 334.941	1560.20	ppb	2.0569	0.1	397997
Tl 190.794	19.3194	ppb	3.7764	19.5	4.4019
V 292.401	126.854	ppb	0.4751	0.4	3501.25
Zn 206.200	538.030	ppb	0.7456	0.1	829.700

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.9283u	-3.3993u	-2.7740u
Al 308.215	104062	104106	104261
As 188.980	41.0999	40.1154	36.0227
B 249.678	-25.0555u	-26.5451u	-25.3109u
Ba 389.178	566.460	566.839	567.696
Be 313.042	3.4352	3.4582	3.4491
Ca 370.602	8473	8485	8484
Cd 226.502	-1.9499	-1.7469	-2.0519
Co 228.615	35.5004	35.4748	35.7886
Cr 267.716	247.828	247.140	248.054
Cu 324.754	50.6224	50.9739	49.8666
Fe 271.441	156274	156497	156454
K 766.491	3810.98	3815.84	3827.05
Mg 279.078	2785.83	2800.29	2796.24
Mn 257.610	5034.35	5038.81	5033.44
Mo 202.032	6.7492	5.3586	5.6462
Na 330.237	329.107u	408.899u	277.903u
Ni 231.604	44.9542	44.6448	44.4713
Pb 220.353	103.062	101.302	94.9492
Sb 206.834	-0.9507	-1.2107	-1.1383
Se 196.026	-1.6480	6.8267	0.3583
Sn 189.925	11.7254	14.0603	20.2166
Sr 216.596	51.6371	50.9925	51.9125
Ti 334.941	1263.01	1266.06	1266.22
Tl 190.794	22.4360	19.3559	13.4436u
V 292.401	362.733	363.444	364.076
Zn 206.200	109.815	109.797	107.763

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0338	ppb	0.3258	10.7	-222.797
Al 308.215	104143	ppb	104.595	0.1	596504
As 188.980	39.0793	ppb	2.6925	6.9	21.9532
B 249.678	-25.6372	ppb	0.7966	3.1	-19.2026
Ba 389.178	566.999	ppb	0.6333	0.1	13785.8
Be 313.042	3.4475	ppb	0.0116	0.3	6495.63
Ca 370.602	8481	ppb	6.605	0.1	14857
Cd 226.502	-1.9162	ppb	0.1553	8.1	307.464
Co 228.615	35.5879	ppb	0.1743	0.5	448.666
Cr 267.716	247.674	ppb	0.4757	0.2	10414.3
Cu 324.754	50.4876	ppb	0.5658	1.1	2586.72
Fe 271.441	156408	ppb	118.235	0.1	262152
K 766.491	3817.96	ppb	8.2381	0.2	187606
Mg 279.078	2794.12	ppb	7.4577	0.3	5632.08
Mn 257.610	5035.53	ppb	2.8768	0.1	1142346
Mo 202.032	5.9180	ppb	0.7341	12.4	45.8983
Na 330.237	338.636	ppb	66.0155	19.5	-43.3799
Ni 231.604	44.6901	ppb	0.2446	0.5	109.540
Pb 220.353	99.7709	ppb	4.2674	4.3	161.519
Sb 206.834	-1.0999	ppb	0.1342	12.2	5.9226
Se 196.026	1.8456	ppb	4.4288	240.0	2.5919
Sn 189.925	15.3341	ppb	4.3866	28.6	12.4096
Sr 216.596	51.5140	ppb	0.4722	0.9	551.637
Ti 334.941	1265.10	ppb	1.8126	0.1	322642
Tl 190.794	18.4118	ppb	4.5699	24.8	1.8545
V 292.401	363.417	ppb	0.6719	0.2	9993.41
Zn 206.200	109.125	ppb	1.1798	1.1	167.607

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680-88518-a-27-c (Samp) 3/28/2013, 5:48:40 AM Rack 3, Tube 31

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0431u	-0.6833u	-1.7599u
Al 308.215	61601.9	61874.8	61654.8
As 188.980	26.1214	17.5129	24.4080
B 249.678	-11.6349u	-10.2607u	-11.2756u
Ba 389.178	67.6373	68.7844	68.3163
Be 313.042	1.7442	1.7741	1.7573
Ca 370.602	4318	4305u	4323
Cd 226.502	-2.4288	-2.4516	-2.5310
Co 228.615	4.7479	6.1258	5.5424
Cr 267.716	190.676	190.848	190.834
Cu 324.754	38.0634	36.5607	37.0228
Fe 271.441	171540	172343	171573
K 766.491	1223.89	1233.16	1230.21
Mg 279.078	912.120	909.683	915.641
Mn 257.610	203.016	204.174	203.136
Mo 202.032	5.4430	5.2263	5.3059
Na 330.237	41.2997u	-65.9049u	110.304u
Ni 231.604	12.1148	13.0846	15.5012
Pb 220.353	62.7661	53.6400	54.0670
Sb 206.834	-3.0268	-0.4612	2.4372
Se 196.026	4.4220	0.6588	5.4711
Sn 189.925	14.8219	16.1019	14.8796
Sr 216.596	22.3828	22.6430	22.0524
Ti 334.941	1225.79	1234.42	1226.48
Tl 190.794	4.9509u	4.9418u	-0.3219u
V 292.401	402.519	405.260	403.074
Zn 206.200	46.6313	45.0969	46.6546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1621	ppb	0.5480	47.2	-111.385
Al 308.215	61710.5	ppb	144.744	0.2	353559
As 188.980	22.6808	ppb	4.5568	20.1	12.8822
B 249.678	-11.0570	ppb	0.7127	6.4	100.305
Ba 389.178	68.2460	ppb	0.5768	0.8	1869.50
Be 313.042	1.7586	ppb	0.0150	0.9	3220.46
Ca 370.602	4315	ppb	9.235	0.2	-0.4927
Cd 226.502	-2.4705	ppb	0.0537	2.2	323.345
Co 228.615	5.4720	ppb	0.6917	12.6	102.632
Cr 267.716	190.786	ppb	0.0956	0.1	8020.38
Cu 324.754	37.2156	ppb	0.7697	2.1	1949.91
Fe 271.441	171819	ppb	454.213	0.3	287976
K 766.491	1229.08	ppb	4.7353	0.4	60547.4
Mg 279.078	912.481	ppb	2.9954	0.3	1889.34
Mn 257.610	203.442	ppb	0.6368	0.3	46669.7
Mo 202.032	5.3251	ppb	0.1096	2.1	41.3169
Na 330.237	28.5663	ppb	88.7919	310.8	-62.9397
Ni 231.604	13.5669	ppb	1.7439	12.9	36.2451
Pb 220.353	56.8244	ppb	5.1501	9.1	92.1944
Sb 206.834	-0.3503	ppb	2.7337	780.5	6.4315
Se 196.026	3.5173	ppb	2.5305	71.9	2.2927
Sn 189.925	15.2678	ppb	0.7230	4.7	12.3575
Sr 216.596	22.3594	ppb	0.2960	1.3	282.636
Ti 334.941	1228.90	ppb	4.7951	0.4	313402
Tl 190.794	3.1903	ppb	3.0416	95.3	-4.0354
V 292.401	403.618	ppb	1.4487	0.4	11102.5
Zn 206.200	46.1276	ppb	0.8927	1.9	72.1495

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.7452u	-1.2413u	-2.0470u
Al 308.215	113327	113118	112846
As 188.980	125.161	132.584	123.215
B 249.678	92.3742	93.1749	94.3176
Ba 389.178	2728.15	2726.00	2715.85
Be 313.042	20.5834	20.5228	20.5487
Ca 370.602	192609	191450	190522
Cd 226.502	3.0773	3.0489	2.9752
Co 228.615	49.0889	47.1745	48.2399
Cr 267.716	132.668	131.783	131.439
Cu 324.754	392.217	392.070	389.324
Fe 271.441	199919	199839	199602
K 766.491	13713.9	13703.6	13779.7
Mg 279.078	31759.3	31663.7	31636.7
Mn 257.610	8148.75	8136.37	8109.97
Mo 202.032	12.8958	13.1551	12.0458
Na 330.237	3404.75	3216.98	3123.28
Ni 231.604	88.2736	87.4608	85.9727
Pb 220.353	2443.09	2430.28	2423.45
Sb 206.834	21.9989	17.1642	22.2452
Se 196.026	4.5725	3.6450	0.9928
Sn 189.925	650.308	647.109	653.157
Sr 216.596	1110.49	1105.42	1103.53
Ti 334.941	2579.99	2566.57	2565.94
Tl 190.794	33.7899	33.8992	22.7109
V 292.401	227.617	226.091	226.139
Zn 206.200	2279.32	2274.96	2281.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0112	ppb	0.7526	37.4	-184.508
Al 308.215	113097	ppb	240.919	0.2	647775
As 188.980	126.986	ppb	4.9441	3.9	70.6460
B 249.678	93.2889	ppb	0.9767	1.0	1030.57
Ba 389.178	2723.34	ppb	6.5709	0.2	65523.0
Be 313.042	20.5517	ppb	0.0304	0.1	39672.9
Ca 370.602	191527	ppb	1046	0.5	602477
Cd 226.502	3.0338	ppb	0.0527	1.7	584.362
Co 228.615	48.1677	ppb	0.9592	2.0	623.873
Cr 267.716	131.963	ppb	0.6340	0.5	5601.03
Cu 324.754	391.204	ppb	1.6295	0.4	19050.9
Fe 271.441	199787	ppb	165.055	0.1	334856
K 766.491	13732.4	ppb	41.2942	0.3	674197
Mg 279.078	31686.6	ppb	64.4079	0.2	64436.4
Mn 257.610	8131.70	ppb	19.8063	0.2	1844698
Mo 202.032	12.6989	ppb	0.5803	4.6	87.9752
Na 330.237	3248.34	ppb	143.332	4.4	65.5206
Ni 231.604	87.2357	ppb	1.1668	1.3	210.920
Pb 220.353	2432.27	ppb	9.9692	0.4	3913.87
Sb 206.834	20.4694	ppb	2.8651	14.0	26.5469
Se 196.026	3.0701	ppb	1.8578	60.5	3.9797
Sn 189.925	650.191	ppb	3.0252	0.5	492.558
Sr 216.596	1106.48	ppb	3.5987	0.3	10519.1
Ti 334.941	2570.84	ppb	7.9359	0.3	655771
Tl 190.794	30.1333	ppb	6.4282	21.3	5.0891
V 292.401	226.616	ppb	0.8676	0.4	6257.40
Zn 206.200	2278.43	ppb	3.1186	0.1	2460.95

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.7607u	-1.3437u	-1.5543u
Al 308.215	91511.9	91971.9	91517.6
As 188.980	31.6077	31.4143	30.5411
B 249.678	-32.0418u	-31.8343u	-32.3586u
Ba 389.178	232.247	233.748	231.518
Be 313.042	1.9990	2.0178	2.0057
Ca 370.602	6129	6142	6146
Cd 226.502	-1.3351	-1.7561	-1.6313
Co 228.615	12.6603	11.7214	11.9909
Cr 267.716	138.825	139.309	138.306
Cu 324.754	42.7167	42.0381	42.7960
Fe 271.441	137697	138277	137830
K 766.491	2334.56	2355.04	2344.27
Mg 279.078	1459.29	1459.03	1452.77
Mn 257.610	2335.13	2340.98	2332.12
Mo 202.032	3.8937	3.3370	3.6950
Na 330.237	150.411u	278.522u	166.472u
Ni 231.604	36.1970	38.2795	33.1865
Pb 220.353	60.2333	65.6634	68.3159
Sb 206.834	4.7669	6.1005	2.1456
Se 196.026	-4.2143u	-5.5284u	4.5703
Sn 189.925	13.7874	12.0770	18.1522
Sr 216.596	31.2084	30.3612	30.2408
Ti 334.941	1199.23	1204.03	1194.48
Tl 190.794	2.8950u	8.3706u	5.3048u
V 292.401	297.238	299.175	296.916
Zn 206.200	93.0344	92.9695	91.1498

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5529	ppb	0.2085	13.4	-130.275
Al 308.215	91667.2	ppb	263.925	0.3	525077
As 188.980	31.1877	ppb	0.5683	1.8	17.8175
B 249.678	-32.0782	ppb	0.2640	0.8	-61.2715
Ba 389.178	232.504	ppb	1.1367	0.5	5751.32
Be 313.042	2.0075	ppb	0.0095	0.5	3710.05
Ca 370.602	6139	ppb	8.893	0.1	8737
Cd 226.502	-1.5742	ppb	0.2162	13.7	276.629
Co 228.615	12.1242	ppb	0.4835	4.0	179.032
Cr 267.716	138.813	ppb	0.5015	0.4	5849.85
Cu 324.754	42.5169	ppb	0.4166	1.0	2197.15
Fe 271.441	137935	ppb	303.833	0.2	231187
K 766.491	2344.62	ppb	10.2406	0.4	115297
Mg 279.078	1457.03	ppb	3.6900	0.3	2950.86
Mn 257.610	2336.08	ppb	4.5062	0.2	530170
Mo 202.032	3.6419	ppb	0.2821	7.7	32.1407
Na 330.237	198.468	ppb	69.7922	35.2	-44.4059
Ni 231.604	35.8876	ppb	2.5606	7.1	88.3832
Pb 220.353	64.7375	ppb	4.1201	6.4	104.855
Sb 206.834	4.3377	ppb	2.0121	46.4	9.7141
Se 196.026	-1.7241	ppb	5.4906	318.5	0.2868
Sn 189.925	14.6722	ppb	3.1328	21.4	11.9086
Sr 216.596	30.6035	ppb	0.5274	1.7	348.049
Ti 334.941	1199.24	ppb	4.7754	0.4	305840
Tl 190.794	5.5235	ppb	2.7443	49.7	-3.4412
V 292.401	297.776	ppb	1.2218	0.4	8194.14
Zn 206.200	92.3845	ppb	1.0698	1.2	812.519

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680-88518-a-30-c (Samp) 3/28/2013, 6:05:00 AM Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4838u	-1.0215u	-0.5217u
Al 308.215	105388	104697	105129
As 188.980	13.7474	12.8720	18.6777
B 249.678	-24.2729u	-22.7262u	-24.6985u
Ba 389.178	113.247	112.736	113.361
Be 313.042	1.7267	1.7163	1.7247
Ca 370.602	5944	5923	5960
Cd 226.502	-1.7950	-1.7807	-1.7587
Co 228.615	5.1938	5.2393	5.2954
Cr 267.716	118.331	117.374	118.101
Cu 324.754	47.4631	47.2449	46.9047
Fe 271.441	144236	143312	144181
K 766.491	1981.62	1969.60	1970.05
Mg 279.078	1577.17	1562.33	1566.52
Mn 257.610	332.855	330.657	332.144
Mo 202.032	4.9411	3.9286	4.4049
Na 330.237	142.115u	264.256u	571.175u
Ni 231.604	25.8205	24.2207	24.8647
Pb 220.353	54.4526	51.6405	56.7728
Sb 206.834	-0.6263	3.0183	0.3885
Se 196.026	5.8785	1.9326	-3.0403u
Sn 189.925	16.2075	18.1461	16.8017
Sr 216.596	33.9692	32.6415	33.5519
Ti 334.941	705.216	699.467	701.387
Tl 190.794	-2.9570u	10.4124	4.2800u
V 292.401	258.775	257.637	258.690
Zn 206.200	71.8093	75.0381	72.8897

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6757	ppb	0.3001	44.4	-77.8117
Al 308.215	105071	ppb	349.048	0.3	601823
As 188.980	15.0990	ppb	3.1300	20.7	9.0279
B 249.678	-23.8992	ppb	1.0379	4.3	8.2294
Ba 389.178	113.115	ppb	0.3330	0.3	2903.54
Be 313.042	1.7226	ppb	0.0055	0.3	3161.55
Ca 370.602	5942	ppb	18.63	0.3	7464
Cd 226.502	-1.7781	ppb	0.0183	1.0	283.113
Co 228.615	5.2428	ppb	0.0509	1.0	87.1972
Cr 267.716	117.935	ppb	0.4997	0.4	4970.35
Cu 324.754	47.2042	ppb	0.2814	0.6	2425.56
Fe 271.441	143910	ppb	518.469	0.4	241199
K 766.491	1973.76	ppb	6.8129	0.3	97095.3
Mg 279.078	1568.68	ppb	7.6494	0.5	3206.43
Mn 257.610	331.885	ppb	1.1218	0.3	75723.5
Mo 202.032	4.4249	ppb	0.5065	11.4	36.9979
Na 330.237	325.849	ppb	221.062	67.8	-35.7286
Ni 231.604	24.9686	ppb	0.8050	3.2	62.6885
Pb 220.353	54.2886	ppb	2.5701	4.7	87.6506
Sb 206.834	0.9269	ppb	1.8810	202.9	6.3739
Se 196.026	1.5903	ppb	4.4693	281.0	1.3629
Sn 189.925	17.0518	ppb	0.9932	5.8	13.7079
Sr 216.596	33.3875	ppb	0.6789	2.0	376.473
Ti 334.941	702.023	ppb	2.9269	0.4	179034
Tl 190.794	3.9118	ppb	6.6923	171.1	-2.7835
V 292.401	258.367	ppb	0.6336	0.2	7103.28
Zn 206.200	73.2457	ppb	1.6435	2.2	813.537

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-4.8899u	-4.2401u	-4.7079u
Al 308.215	99276.6	98627.7	99192.0
As 188.980	35.4592	22.8224	25.1771
B 249.678	-36.1761u	-36.8683u	-39.1132u
Ba 389.178	903.078	896.072	899.866
Be 313.042	6.1672	6.0908	6.1375
Ca 370.602	9828	9790	9834
Cd 226.502	-1.2281	-1.1654	-1.1204
Co 228.615	53.8431	54.4862	53.9498
Cr 267.716	127.901	126.060	127.295
Cu 324.754	62.9614	64.8008	63.2544
Fe 271.441	117414	116705	117558
K 766.491	2956.73	2927.60	2932.88
Mg 279.078	2269.73	2258.45	2284.55
Mn 257.610	12887.6	12803.4	12915.9
Mo 202.032	6.5074	6.2428	5.4055
Na 330.237	7.8251u	139.189u	299.750u
Ni 231.604	50.1176	48.8298	50.6648
Pb 220.353	486.537	490.168	496.475
Sb 206.834	5.2674	-6.4753u	1.6538
Se 196.026	-4.9529	-3.3800	13.0608
Sn 189.925	19.5230	20.4278	23.8025
Sr 216.596	44.1284	42.6181	44.2533
Ti 334.941	1143.84	1128.29	1138.32
Tl 190.794	48.7262	40.3393	50.3970
V 292.401	255.780	253.717	255.788
Zn 206.200	133.101	134.143	135.115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.6126	ppb	0.3352	7.3	-299.989
Al 308.215	99032.1	ppb	352.774	0.4	567246
As 188.980	27.8196	ppb	6.7201	24.2	16.2010
B 249.678	-37.3858	ppb	1.5354	4.1	-90.9820
Ba 389.178	899.672	ppb	3.5073	0.4	21686.6
Be 313.042	6.1318	ppb	0.0385	0.6	11694.5
Ca 370.602	9818	ppb	23.85	0.2	22607
Cd 226.502	-1.1713	ppb	0.0541	4.6	242.980
Co 228.615	54.0930	ppb	0.3446	0.6	658.097
Cr 267.716	127.085	ppb	0.9383	0.7	5395.22
Cu 324.754	63.6722	ppb	0.9884	1.6	3213.12
Fe 271.441	117225	ppb	456.587	0.4	196484
K 766.491	2939.07	ppb	15.5183	0.5	144472
Mg 279.078	2270.91	ppb	13.0883	0.6	4439.83
Mn 257.610	12869.0	ppb	58.4981	0.5	2918518
Mo 202.032	6.0519	ppb	0.5752	9.5	48.6953
Na 330.237	148.921	ppb	146.206	98.2	-40.6560
Ni 231.604	49.8707	ppb	0.9421	1.9	121.052
Pb 220.353	491.060	ppb	5.0291	1.0	792.814
Sb 206.834	0.1486	ppb	6.0143	4046.8	5.1532
Se 196.026	1.5760	ppb	9.9772	633.1	4.1555
Sn 189.925	21.2511	ppb	2.2554	10.6	16.8854
Sr 216.596	43.6666	ppb	0.9101	2.1	463.697
Ti 334.941	1136.82	ppb	7.8856	0.7	289920
Tl 190.794	46.4875	ppb	5.3896	11.6	14.1125
V 292.401	255.095	ppb	1.1932	0.5	7019.36
Zn 206.200	134.120	ppb	1.0972	0.8	205.917

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.6719u	-4.1694u	-2.5352u
Al 308.215	93956.0	94327.0	94251.8
As 188.980	31.4232	41.6339	39.6592
B 249.678	-42.1724u	-41.1808u	-41.9250u
Ba 389.178	1032.46	1034.63	1034.60
Be 313.042	4.1904	4.2100	4.2141
Ca 370.602	10878	10928	10905
Cd 226.502	-1.2922	-0.9387	-1.3407
Co 228.615	85.1884	85.1006	85.6937
Cr 267.716	236.196	238.277	238.298
Cu 324.754	57.5211	57.6934	58.9859
Fe 271.441	140871	141641	141119
K 766.491	2448.52	2450.58	2439.38
Mg 279.078	1762.45	1777.04	1776.65
Mn 257.610	18162.5	18263.3	18242.5
Mo 202.032	5.7378	6.4058	6.7944
Na 330.237	79.3000u	36.3098u	0.8562u
Ni 231.604	50.4141	49.1927	49.8273
Pb 220.353	146.440	146.402	148.016
Sb 206.834	-4.6436	-1.3559	-7.5571u
Se 196.026	-5.6087	3.5044	2.9920
Sn 189.925	14.0482	15.0636	9.5526
Sr 216.596	38.0156	36.7392	37.4269
Ti 334.941	1219.57	1225.81	1227.23
Tl 190.794	57.6155	70.8834	67.8087
V 292.401	310.651	311.492	310.370
Zn 206.200	115.010	114.403	113.611

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1255	ppb	0.9066	29.0	-172.701
Al 308.215	94178.3	ppb	196.117	0.2	539454
As 188.980	37.5721	ppb	5.4159	14.4	21.2890
B 249.678	-41.7594	ppb	0.5162	1.2	-153.014
Ba 389.178	1033.90	ppb	1.2453	0.1	24932.2
Be 313.042	4.2048	ppb	0.0127	0.3	7959.99
Ca 370.602	10904	ppb	24.94	0.2	24296
Cd 226.502	-1.1906	ppb	0.2194	18.4	298.092
Co 228.615	85.3276	ppb	0.3201	0.4	1017.03
Cr 267.716	237.590	ppb	1.2073	0.5	10039.5
Cu 324.754	58.0668	ppb	0.8006	1.4	2948.83
Fe 271.441	141210	ppb	393.175	0.3	236688
K 766.491	2446.16	ppb	5.9620	0.2	120280
Mg 279.078	1772.05	ppb	8.3124	0.5	3346.60
Mn 257.610	18222.8	ppb	53.1963	0.3	4132587
Mo 202.032	6.3127	ppb	0.5344	8.5	49.2115
Na 330.237	38.8220	ppb	39.2822	101.2	-53.8648
Ni 231.604	49.8113	ppb	0.6109	1.2	121.359
Pb 220.353	146.953	ppb	0.9207	0.6	240.361
Sb 206.834	-4.5189	ppb	3.1025	68.7	2.2436
Se 196.026	0.2959	ppb	5.1200	1730.3	4.8602
Sn 189.925	12.8881	ppb	2.9329	22.8	10.5612
Sr 216.596	37.3939	ppb	0.6388	1.7	413.332
Ti 334.941	1224.20	ppb	4.0760	0.3	312206
Tl 190.794	65.4359	ppb	6.9450	10.6	20.6567
V 292.401	310.838	ppb	0.5836	0.2	8547.07
Zn 206.200	114.341	ppb	0.7916	0.6	175.574

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 6:21:20 AM Rack 3, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	492.462	494.783	498.310
Al 308.215	4963.06	5001.90	4972.47
As 188.980	472.835	473.569	480.897
B 249.678	2483.87	2517.35	2525.42
Ba 389.178	4901.99	4943.77	4917.03
Be 313.042	487.266	492.255	488.647
Ca 370.602	4895	4939	4911
Cd 226.502	490.339	493.912	491.426
Co 228.615	494.806	498.589	494.790
Cr 267.716	4886.82	4940.36	4915.52
Cu 324.754	4864.71	4860.26	4841.45
Fe 271.441	4961.81	5002.72	4976.35
K 766.491	9933.37	9992.47	9928.96
Mg 279.078	4876.51	4926.03	4901.65
Mn 257.610	4949.71	4998.46	4971.26
Mo 202.032	483.492	487.708	487.502
Na 330.237	7216.10	7327.41	7374.66
Ni 231.604	2458.63	2480.11	2472.37
Pb 220.353	491.743	489.620	489.242
Sb 206.834	911.039	919.046	910.917
Se 196.026	4788.56	4828.93	4815.80
Sn 189.925	4956.86	5002.52	5006.18
Sr 216.596	2440.67	2465.71	2460.25
Ti 334.941	490.485	494.293	492.745
Tl 190.794	4941.56	4942.34	4913.40
V 292.401	4907.99	4954.56	4912.16
Zn 206.200	2460.69	2474.07	2463.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.185	ppb	2.9448	0.6	34524.4	99.03703
Al 308.215	4979.14	ppb	20.2638	0.4	28728.4	99.58286
As 188.980	475.767	ppb	4.4581	0.9	260.250	95.15341
B 249.678	2508.88	ppb	22.0315	0.9	23333.0	100.35527
Ba 389.178	4920.93	ppb	21.1616	0.4	117762	98.41867
Be 313.042	489.389	ppb	2.5758	0.5	946981	97.87788
Ca 370.602	4915	ppb	22.52	0.5	15726	98.29613
Cd 226.502	491.892	ppb	1.8314	0.4	17535.1	98.37845
Co 228.615	496.062	ppb	2.1884	0.4	5695.86	99.21234
Cr 267.716	4914.23	ppb	26.7905	0.5	205422	98.28467
Cu 324.754	4855.47	ppb	12.3460	0.3	234505	97.10944
Fe 271.441	4980.29	ppb	20.7368	0.4	8469.97	99.60586
K 766.491	9951.60	ppb	35.4643	0.4	488639	99.51601
Mg 279.078	4901.40	ppb	24.7634	0.5	9927.30	98.02790
Mn 257.610	4973.14	ppb	24.4292	0.5	1127804	99.46280
Mo 202.032	486.234	ppb	2.3769	0.5	3145.97	97.24687
Na 330.237	7306.05	ppb	81.4069	1.1	343.834	97.41406
Ni 231.604	2470.37	ppb	10.8776	0.4	5840.41	98.81493
Pb 220.353	490.202	ppb	1.3481	0.3	791.027	98.04033
Sb 206.834	913.667	ppb	4.6588	0.5	918.540	91.36674
Se 196.026	4811.10	ppb	20.5904	0.4	2206.40	96.22193
Sn 189.925	4988.52	ppb	27.4798	0.6	3773.14	99.77037
Sr 216.596	2455.54	ppb	13.1694	0.5	23089.1	98.22175
Ti 334.941	492.508	ppb	1.9152	0.4	125595	98.50156
Tl 190.794	4932.43	ppb	16.4881	0.3	3252.20	98.64869
V 292.401	4924.90	ppb	25.7647	0.5	135067	98.49808
Zn 206.200	2466.02	ppb	7.0991	0.3	3729.92	98.64096

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Cont Calib Blank (CCB) 3/28/2013, 6:26:47 AM Rack 3, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3043u	-0.4271u	-1.0492u
Al 308.215	2.0288	0.9315	-0.2012u
As 188.980	0.3981	-4.9501u	3.7240
B 249.678	29.1654	24.8054	20.1474
Ba 389.178	-0.3483u	-0.0015u	-0.1928u
Be 313.042	-0.0309u	-0.0338u	-0.0326u
Ca 370.602	5.394	-0.3134u	-1.727u
Cd 226.502	-0.0965u	0.0865	-0.1767u
Co 228.615	0.0529	0.1864	-0.0006u
Cr 267.716	-0.1630u	0.1234	-0.1729u
Cu 324.754	-0.7314u	-0.6625u	-0.6803u
Fe 271.441	4.7615	8.5774	2.2177
K 766.491	-0.0079u	-0.8375u	-0.2324u
Mg 279.078	1.4593	3.4900	3.5480
Mn 257.610	-0.0206u	0.0058	0.0353
Mo 202.032	0.2257	-0.4974u	-0.2530u
Na 330.237	-10.5506u	-57.1045u	171.884
Ni 231.604	0.3575	-0.8377u	0.3719
Pb 220.353	0.2221	-1.5955u	-4.0342u
Sb 206.834	-0.9097u	1.0487	3.5644
Se 196.026	-14.8194u	5.6476	-0.9406u
Sn 189.925	-1.0129u	0.7975	-1.3957u
Sr 216.596	-0.4196u	0.2207	-0.4206u
Ti 334.941	0.0453	-0.0384u	-0.0641u
Tl 190.794	-2.3511u	-1.0600u	0.4169
V 292.401	0.2016	0.3443	0.1343
Zn 206.200	-0.4858u	-0.4612u	-1.5261u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5935	ppb	0.3993	67.3	-73.4812	-0.59354
Al 308.215	0.9197	ppb	1.1151	121.2	248.977	0.91970
As 188.980	-0.2760	ppb	4.3761	1585.5	1.9211	-0.27601
B 249.678	24.7061	ppb	4.5098	18.3	584.671	24.70607
Ba 389.178	-0.1808	ppb	0.1737	96.0	-22.6931	-0.18085
Be 313.042	-0.0325	ppb	0.0015	4.5	-235.490	-0.03246
Ca 370.602	1.118	ppb	3.770	337.3	-0.4250	1.11789
Cd 226.502	-0.0622	ppb	0.1349	216.8	10.7929	-0.06222
Co 228.615	0.0796	ppb	0.0963	121.0	14.5934	0.07956
Cr 267.716	-0.0708	ppb	0.1683	237.5	6.4380	-0.07085
Cu 324.754	-0.6914	ppb	0.0358	5.2	74.3811	-0.69137
Fe 271.441	5.1855	ppb	3.2010	61.7	11.1877	5.18554
K 766.491	-0.3593	ppb	0.4291	119.4	207.642	-0.35927
Mg 279.078	2.8325	ppb	1.1895	42.0	27.5733	2.83246
Mn 257.610	0.0068	ppb	0.0280	410.6	73.2339	0.00681
Mo 202.032	-0.1749	ppb	0.3678	210.3	14.1490	-0.17490
Na 330.237	34.7428	ppb	121.027	348.4	-2.0335	34.74280
Ni 231.604	-0.0361	ppb	0.6943	1923.8	0.8647	-0.03609
Pb 220.353	-1.8025	ppb	2.1357	118.5	-0.4242	-1.80250
Sb 206.834	1.2345	ppb	2.2428	181.7	2.4678	1.23445
Se 196.026	-3.3708	ppb	10.4477	309.9	-1.3776	-3.37079
Sn 189.925	-0.5370	ppb	1.1715	218.1	0.4078	-0.53705
Sr 216.596	-0.2065	ppb	0.3700	179.2	8.5712	-0.20648
Ti 334.941	-0.0191	ppb	0.0572	300.2	-34.9300	-0.01905
Tl 190.794	-0.9981	ppb	1.3850	138.8	-0.9175	-0.99807
V 292.401	0.2267	ppb	0.1072	47.3	0.5634	0.22671
Zn 206.200	-0.8244	ppb	0.6978	73.7	15.5100	-0.82438

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680-88518-a-32-gSD^5 (Samp) 3/28/2013, 6:32:14 AM

Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.0450u	-2.2107u	-1.1304u
Al 308.215	19331.7	19345.8	19322.2
As 188.980	4.1320	4.9492	3.8101
B 249.678	-14.7313u	-15.6337u	-16.6318u
Ba 389.178	220.063	219.487	221.379
Be 313.042	0.8547	0.8441	0.8525
Ca 370.602	2333	2330	2328
Cd 226.502	-0.3253	-0.3973	-0.4096
Co 228.615	18.2804	18.4804	18.2350
Cr 267.716	50.3902	50.6224	50.3746
Cu 324.754	12.4179	12.5580	11.2172
Fe 271.441	30048.3	30114.9	30084.9
K 766.491	497.570	499.906	500.264
Mg 279.078	384.908	381.977	383.884
Mn 257.610	3958.19	3962.52	3954.11
Mo 202.032	0.7695	0.7867	1.5010
Na 330.237	117.235u	148.636u	246.088
Ni 231.604	8.8581	9.4228	11.6559
Pb 220.353	31.5435	33.0956	30.4962
Sb 206.834	2.4577	2.9895	3.8992
Se 196.026	0.8737	0.0189	2.5720
Sn 189.925	3.4302	1.8978	0.2017
Sr 216.596	7.5135	6.2357	6.2827
Ti 334.941	257.536	258.162	257.464
Tl 190.794	20.9296	18.1599	16.6096
V 292.401	66.5935	66.6085	66.5862
Zn 206.200	25.9225	25.0107	26.5523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7954	ppb	0.5818	32.4	-140.589
Al 308.215	19333.3	ppb	11.8618	0.1	110935
As 188.980	4.2971	ppb	0.5872	13.7	4.1524
B 249.678	-15.6656	ppb	0.9507	6.1	187.421
Ba 389.178	220.310	ppb	0.9699	0.4	5298.29
Be 313.042	0.8504	ppb	0.0056	0.7	1471.96
Ca 370.602	2330	ppb	2.831	0.1	5197
Cd 226.502	-0.3774	ppb	0.0455	12.1	69.3775
Co 228.615	18.3319	ppb	0.1305	0.7	229.081
Cr 267.716	50.4624	ppb	0.1388	0.3	2140.07
Cu 324.754	12.0643	ppb	0.7370	6.1	698.248
Fe 271.441	30082.7	ppb	33.3738	0.1	50424.7
K 766.491	499.247	ppb	1.4630	0.3	24727.8
Mg 279.078	383.590	ppb	1.4873	0.4	741.512
Mn 257.610	3958.27	ppb	4.2054	0.1	897718
Mo 202.032	1.0191	ppb	0.4174	41.0	20.4030
Na 330.237	170.653	ppb	67.1884	39.4	-6.2094
Ni 231.604	9.9789	ppb	1.4795	14.8	25.1060
Pb 220.353	31.7118	ppb	1.3079	4.1	53.8375
Sb 206.834	3.1155	ppb	0.7289	23.4	5.3818
Se 196.026	1.1549	ppb	1.2996	112.5	1.6853
Sn 189.925	1.8433	ppb	1.6149	87.6	2.2081
Sr 216.596	6.6773	ppb	0.7246	10.9	84.1640
Ti 334.941	257.720	ppb	0.3842	0.1	65702.3
Tl 190.794	18.5664	ppb	2.1885	11.8	7.1755
V 292.401	66.5961	ppb	0.0113	0.0	1826.65
Zn 206.200	25.8285	ppb	0.7751	3.0	41.8074

680-88518-a-32-gPDS (Samp) 3/28/2013, 6:37:41 AM Rack 3, Tube 40
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	45.1588	46.3774	46.7240
Al 308.215	94035.6	94382.3	94057.1
As 188.980	2092.22	2113.50	2114.79
B 249.678	980.726	993.314	997.238
Ba 389.178	2962.89	2981.83	2969.27
Be 313.042	53.5314	53.7382	53.6531
Ca 370.602	15477	15549	15508
Cd 226.502	48.0083	48.2439	47.7208
Co 228.615	577.234	580.926	585.407
Cr 267.716	430.456	431.406	430.157
Cu 324.754	309.023	308.504	310.068
Fe 271.441	138843	139281	138776
K 766.491	7739.94	7790.60	7786.38
Mg 279.078	6609.42	6644.10	6629.53
Mn 257.610	18258.3	18327.5	18315.5
Mo 202.032	496.523	501.671	499.348
Na 330.237	5026.17	5241.60	4996.33
Ni 231.604	539.468	543.975	546.331
Pb 220.353	638.761	642.348	639.751
Sb 206.834	472.045	479.014	485.357
Se 196.026	1930.33	1956.76	1945.74
Sn 189.925	1016.81	1024.03	1018.81
Sr 216.596	537.735	538.581	537.218
Ti 334.941	2130.89	2139.69	2142.62
Tl 190.794	2064.32	2068.34	2065.99
V 292.401	798.462	801.350	800.247
Zn 206.200	602.444	602.193	593.328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.0867	ppb	0.8221	1.8	3249.01
Al 308.215	94158.3	ppb	194.241	0.2	539396
As 188.980	2106.84	ppb	12.6742	0.6	1144.66
B 249.678	990.426	ppb	8.6266	0.9	9302.82
Ba 389.178	2971.33	ppb	9.6351	0.3	71304.1
Be 313.042	53.6409	ppb	0.1039	0.2	103566
Ca 370.602	15511	ppb	35.85	0.2	39519
Cd 226.502	47.9910	ppb	0.2620	0.5	2044.03
Co 228.615	581.189	ppb	4.0931	0.7	6695.19
Cr 267.716	430.673	ppb	0.6523	0.2	18108.2
Cu 324.754	309.198	ppb	0.7968	0.3	15081.7
Fe 271.441	138967	ppb	274.100	0.2	233007
K 766.491	7772.31	ppb	28.1093	0.4	381682
Mg 279.078	6627.68	ppb	17.4147	0.3	13234.8
Mn 257.610	18300.4	ppb	36.9926	0.2	4150217
Mo 202.032	499.181	ppb	2.5782	0.5	3230.50
Na 330.237	5088.03	ppb	133.826	2.6	192.621
Ni 231.604	543.258	ppb	3.4870	0.6	1287.71
Pb 220.353	640.287	ppb	1.8524	0.3	1032.79
Sb 206.834	478.805	ppb	6.6584	1.4	459.786
Se 196.026	1944.28	ppb	13.2777	0.7	895.860
Sn 189.925	1019.89	ppb	3.7274	0.4	772.057
Sr 216.596	537.844	ppb	0.6878	0.1	5103.73
Ti 334.941	2137.73	ppb	6.1039	0.3	545205
Tl 190.794	2066.22	ppb	2.0205	0.1	1341.51
V 292.401	800.020	ppb	1.4573	0.2	21908.1
Zn 206.200	599.322	ppb	5.1925	0.9	919.914

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680-88518-a-32-h ms (Samp) 3/28/2013, 6:43:08 AM Rack 3, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	5.9683	7.1021	6.2895
Al 308.215	101177	101001	101154
As 188.980	122.652	130.993	130.408
B 249.678	106.894	105.021	104.650
Ba 389.178	869.122	867.666	871.631
Be 313.042	55.3127	55.2274	55.4209
Ca 370.602	13226	13173	13226
Cd 226.502	49.0365	48.7231	48.8833
Co 228.615	99.4118	99.1984	98.3827
Cr 267.716	200.105	199.692	199.642
Cu 324.754	152.238	151.109	154.320
Fe 271.441	129770	129705	130230
K 766.491	7746.77	7774.90	7815.73
Mg 279.078	6756.70	6724.95	6759.87
Mn 257.610	10015.3	9993.53	10032.9
Mo 202.032	99.1996	99.8315	99.5436
Na 330.237	5290.38	4905.39	5331.07
Ni 231.604	138.726	142.639	141.122
Pb 220.353	187.421	194.321	189.605
Sb 206.834	33.1828	31.5390	29.7128
Se 196.026	86.2176	87.3160	84.8844
Sn 189.925	214.048	208.555	203.332
Sr 216.596	136.729	136.729	136.214
Ti 334.941	1366.77	1362.46	1366.69
Tl 190.794	74.9677	80.0363	78.2972
V 292.401	369.445	370.140	371.474
Zn 206.200	210.175	207.152	208.321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.4533	ppb	0.5844	9.1	457.933
Al 308.215	101110	ppb	95.6828	0.1	579155
As 188.980	128.017	ppb	4.6557	3.6	70.4891
B 249.678	105.522	ppb	1.2031	1.1	1206.31
Ba 389.178	869.473	ppb	2.0056	0.2	20995.6
Be 313.042	55.3203	ppb	0.0970	0.2	106901
Ca 370.602	13208	ppb	30.56	0.2	32464
Cd 226.502	48.8810	ppb	0.1567	0.3	2054.28
Co 228.615	98.9976	ppb	0.5431	0.5	1174.07
Cr 267.716	199.813	ppb	0.2540	0.1	8426.55
Cu 324.754	152.556	ppb	1.6290	1.1	7509.59
Fe 271.441	129901	ppb	286.156	0.2	217737
K 766.491	7779.14	ppb	34.6714	0.4	382017
Mg 279.078	6747.18	ppb	19.3086	0.3	13602.8
Mn 257.610	10013.9	ppb	19.7139	0.2	2271170
Mo 202.032	99.5249	ppb	0.3163	0.3	651.407
Na 330.237	5175.61	ppb	234.900	4.5	208.541
Ni 231.604	140.829	ppb	1.9728	1.4	336.293
Pb 220.353	190.449	ppb	3.5263	1.9	308.300
Sb 206.834	31.4782	ppb	1.7358	5.5	35.2251
Se 196.026	86.1393	ppb	1.2177	1.4	42.2940
Sn 189.925	208.645	ppb	5.3588	2.6	158.595
Sr 216.596	136.557	ppb	0.2975	0.2	1339.14
Ti 334.941	1365.31	ppb	2.4648	0.2	348212
Tl 190.794	77.7671	ppb	2.5755	3.3	37.1168
V 292.401	370.353	ppb	1.0311	0.3	10170.3
Zn 206.200	208.549	ppb	1.5244	0.7	218.656

680-88518-a-32-i msd (Samp) 3/28/2013, 6:48:35 AM Rack 3, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	6.6195	6.9020	6.2329
Al 308.215	116104	116232	116115
As 188.980	136.295	142.839	143.187
B 249.678	90.0243	92.0069	90.0922
Ba 389.178	865.400	871.946	866.888
Be 313.042	57.1757	57.0475	56.9528
Ca 370.602	16096	16109	16082
Cd 226.502	48.5858	48.7094	48.8103
Co 228.615	97.2227	97.3374	97.7226
Cr 267.716	355.203	353.689	352.347
Cu 324.754	177.057	177.681	177.295
Fe 271.441	171790	171590	171797
K 766.491	8337.01	8347.45	8326.84
Mg 279.078	7725.58	7746.18	7727.95
Mn 257.610	8826.18	8826.95	8815.66
Mo 202.032	101.023	99.1081	99.7112
Na 330.237	5316.33	4945.49	5232.35
Ni 231.604	147.205	151.110	149.880
Pb 220.353	363.156	366.603	360.842
Sb 206.834	29.7119	32.5301	33.4272
Se 196.026	81.3269	80.6466	80.2886
Sn 189.925	212.255	209.808	208.787
Sr 216.596	147.193	146.986	145.499
Ti 334.941	1503.80	1498.47	1493.81
Tl 190.794	72.5233	70.7140	73.6003
V 292.401	432.160	433.072	432.705
Zn 206.200	294.977	294.727	295.118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.5848	ppb	0.3358	5.1	461.877
Al 308.215	116151	ppb	70.9232	0.1	665266
As 188.980	140.774	ppb	3.8827	2.8	77.0631
B 249.678	90.7078	ppb	1.1256	1.2	1032.50
Ba 389.178	868.078	ppb	3.4311	0.4	21026.2
Be 313.042	57.0587	ppb	0.1119	0.2	110266
Ca 370.602	16096	ppb	13.66	0.1	38333
Cd 226.502	48.7018	ppb	0.1124	0.2	2144.75
Co 228.615	97.4276	ppb	0.2619	0.3	1158.71
Cr 267.716	353.746	ppb	1.4289	0.4	14865.6
Cu 324.754	177.344	ppb	0.3152	0.2	8717.75
Fe 271.441	171725	ppb	117.482	0.1	287834
K 766.491	8337.10	ppb	10.3011	0.1	409401
Mg 279.078	7733.24	ppb	11.2724	0.1	15632.5
Mn 257.610	8822.93	ppb	6.3112	0.1	2001230
Mo 202.032	99.9475	ppb	0.9792	1.0	652.168
Na 330.237	5164.72	ppb	194.455	3.8	193.960
Ni 231.604	149.398	ppb	1.9966	1.3	357.333
Pb 220.353	363.534	ppb	2.8989	0.8	586.175
Sb 206.834	31.8897	ppb	1.9386	6.1	38.0008
Se 196.026	80.7540	ppb	0.5274	0.7	39.6662
Sn 189.925	210.283	ppb	1.7823	0.8	159.834
Sr 216.596	146.560	ppb	0.9241	0.6	1448.42
Ti 334.941	1498.69	ppb	5.0008	0.3	382239
Tl 190.794	72.2792	ppb	1.4585	2.0	33.2519
V 292.401	432.646	ppb	0.4586	0.1	11876.1
Zn 206.200	294.940	ppb	0.1983	0.1	449.282

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88518-a-33-c (Samp) 3/28/2013, 6:54:02 AM Rack 3, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1400u	-1.0760u	-0.8841u
Al 308.215	71420.4	71873.5	72037.5
As 188.980	8.3330	3.4113	3.1026
B 249.678	-15.5984u	-15.3287u	-16.3356u
Ba 389.178	74.3084	75.6095	73.9773
Be 313.042	0.7593	0.7594	0.7632
Ca 370.602	3976	3980	3994
Cd 226.502	-0.6269	-0.4998	-0.2734
Co 228.615	2.9284	3.0819	3.0198
Cr 267.716	46.1122	45.4290	46.1380
Cu 324.754	27.5669	27.2401	26.7789
Fe 271.441	34051.3	34221.1	34377.4
K 766.491	1606.39	1612.03	1613.37
Mg 279.078	1172.85	1171.52	1179.99
Mn 257.610	77.6314	77.9755	78.3966
Mo 202.032	0.1551u	-0.1283u	0.2988
Na 330.237	73.7226u	404.224	338.108
Ni 231.604	19.0674	17.9286	17.4794
Pb 220.353	28.7426	33.0702	30.9863
Sb 206.834	-4.0812u	8.5946	7.8844
Se 196.026	-1.2898u	-0.6850u	-4.2937u
Sn 189.925	15.6738	11.0661	14.4603
Sr 216.596	14.2717	15.3123	14.6413
Ti 334.941	699.383	698.297	700.855
Tl 190.794	-4.7492u	5.5815	2.2597
V 292.401	84.9680	84.8428	85.0476
Zn 206.200	175.891	178.393	179.632

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7001	ppb	0.4944	70.6	-80.5521
Al 308.215	71777.1	ppb	319.645	0.4	411200
As 188.980	4.9489	ppb	2.9347	59.3	4.4824
B 249.678	-15.7542	ppb	0.5212	3.3	182.899
Ba 389.178	74.6317	ppb	0.8628	1.2	1820.77
Be 313.042	0.7606	ppb	0.0023	0.3	1304.47
Ca 370.602	3983	ppb	9.086	0.2	10171
Cd 226.502	-0.4667	ppb	0.1790	38.4	75.6362
Co 228.615	3.0100	ppb	0.0772	2.6	65.3025
Cr 267.716	45.8931	ppb	0.4021	0.9	1936.34
Cu 324.754	27.1953	ppb	0.3959	1.5	1429.74
Fe 271.441	34216.6	ppb	163.092	0.5	57351.2
K 766.491	1610.60	ppb	3.7016	0.2	79271.6
Mg 279.078	1174.79	ppb	4.5519	0.4	2398.57
Mn 257.610	78.0012	ppb	0.3832	0.5	17857.1
Mo 202.032	0.1086	ppb	0.2173	200.2	14.3119
Na 330.237	272.018	ppb	174.882	64.3	-6.8278
Ni 231.604	18.1584	ppb	0.8186	4.5	44.5341
Pb 220.353	30.9330	ppb	2.1643	7.0	50.6153
Sb 206.834	4.1326	ppb	7.1222	172.3	6.4218
Se 196.026	-2.0895	ppb	1.9327	92.5	-0.6796
Sn 189.925	13.7334	ppb	2.3883	17.4	11.2000
Sr 216.596	14.7418	ppb	0.5275	3.6	161.653
Ti 334.941	699.511	ppb	1.2838	0.2	178379
Tl 190.794	1.0307	ppb	5.2739	511.7	-0.7820
V 292.401	84.9528	ppb	0.1033	0.1	2338.83
Zn 206.200	177.972	ppb	1.9958	1.1	273.683

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680-88518-a-34-c (Samp) 3/28/2013, 6:59:29 AM Rack 3, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.1144u	-1.8520u	-1.7758u
Al 308.215	125786	126352	126147
As 188.980	85.4899	71.2069	79.6511
B 249.678	110.926	112.942	111.765
Ba 389.178	2791.88	2801.98	2798.11
Be 313.042	20.9256	21.0483	21.0228
Ca 370.602	318951	320243	320680
Cd 226.502	2.0190	1.8674	2.0510
Co 228.615	39.7430	39.4729	39.5834
Cr 267.716	70.0862	70.6869	70.2893
Cu 324.754	285.335	288.955	286.175
Fe 271.441	107486	107945	107399
K 766.491	19116.6	19151.0	19006.4
Mg 279.078	43836.7	44104.7	44072.7
Mn 257.610	11163.5	11222.1	11189.6
Mo 202.032	9.4474	10.0285	10.0341
Na 330.237	2218.21	2250.40	2472.71
Ni 231.604	57.9757	60.8432	60.8421
Pb 220.353	1409.97	1414.70	1416.42
Sb 206.834	3.7886	2.4917	5.0866
Se 196.026	5.0983	-4.3354	2.6957
Sn 189.925	118.738	123.960	125.433
Sr 216.596	953.510	958.413	962.652
Ti 334.941	2817.49	2831.82	2834.30
Tl 190.794	38.7446	47.6819	38.3157
V 292.401	196.267	197.177	196.563
Zn 206.200	824.693	825.515	820.558

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2474	ppb	0.7518	33.5	-182.223
Al 308.215	126095	ppb	286.358	0.2	722195
As 188.980	78.7827	ppb	7.1810	9.1	46.2549
B 249.678	111.878	ppb	1.0128	0.9	1284.94
Ba 389.178	2797.32	ppb	5.0966	0.2	67191.6
Be 313.042	20.9989	ppb	0.0648	0.3	40587.8
Ca 370.602	319958	ppb	899.2	0.3	1024773
Cd 226.502	1.9791	ppb	0.0981	5.0	333.372
Co 228.615	39.5997	ppb	0.1358	0.3	536.018
Cr 267.716	70.3541	ppb	0.3055	0.4	3018.87
Cu 324.754	286.822	ppb	1.8945	0.7	13985.0
Fe 271.441	107610	ppb	293.456	0.3	180367
K 766.491	19091.3	ppb	75.5338	0.4	937208
Mg 279.078	44004.7	ppb	146.372	0.3	89458.4
Mn 257.610	11191.7	ppb	29.4027	0.3	2538399
Mo 202.032	9.8367	ppb	0.3371	3.4	73.6548
Na 330.237	2313.77	ppb	138.578	6.0	54.0092
Ni 231.604	59.8870	ppb	1.6552	2.8	144.558
Pb 220.353	1413.70	ppb	3.3423	0.2	2275.45
Sb 206.834	3.7889	ppb	1.2974	34.2	7.9773
Se 196.026	1.1529	ppb	4.9024	425.2	3.5504
Sn 189.925	122.711	ppb	3.5182	2.9	93.7282
Sr 216.596	958.191	ppb	4.5750	0.5	9101.39
Ti 334.941	2827.87	ppb	9.0708	0.3	721364
Tl 190.794	41.5807	ppb	5.2881	12.7	12.8003
V 292.401	196.669	ppb	0.4642	0.2	5442.29
Zn 206.200	823.589	ppb	2.6563	0.3	1254.72

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88518-a-35-c (Samp) 3/28/2013, 7:04:56 AM Rack 3, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4969u	-2.3556u	-1.9866u
Al 308.215	63298.3	62663.7	61953.9
As 188.980	45.9538	48.4128	51.9565
B 249.678	40.9667	40.0902	39.7717
Ba 389.178	1841.69	1822.86	1806.19
Be 313.042	11.9294	11.8386	11.7220
Ca 370.602	163351	161794	160485
Cd 226.502	2.9412	2.7889	2.7285
Co 228.615	17.7501	17.6920	17.5376
Cr 267.716	83.6052	82.6928	81.8360
Cu 324.754	216.195	215.926	215.263
Fe 271.441	58609.6	58003.2	57476.4
K 766.491	9634.14	9527.81	9455.43
Mg 279.078	34229.4	33936.9	33571.9
Mn 257.610	4569.62	4534.62	4475.44
Mo 202.032	4.1578	3.5521	3.0195
Na 330.237	1776.15	1813.29	1832.75
Ni 231.604	48.4114	48.0332	44.2313
Pb 220.353	1084.63	1076.19	1059.92
Sb 206.834	4.1278	2.2362	5.8428
Se 196.026	4.3196	7.8422	-0.2391
Sn 189.925	99.4746	101.472	95.3254
Sr 216.596	527.084	524.765	519.921
Ti 334.941	1464.36	1454.25	1440.38
Tl 190.794	14.6937	12.8283	16.4286
V 292.401	87.3683	85.6458	85.1342
Zn 206.200	2127.14	2111.62	2089.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6130	ppb	0.9841	61.0	-147.932
Al 308.215	62638.6	ppb	672.538	1.1	358878
As 188.980	48.7743	ppb	3.0177	6.2	29.2294
B 249.678	40.2762	ppb	0.6188	1.5	674.282
Ba 389.178	1823.58	ppb	17.7650	1.0	43792.4
Be 313.042	11.8300	ppb	0.1040	0.9	22784.0
Ca 370.602	161877	ppb	1435	0.9	518133
Cd 226.502	2.8195	ppb	0.1096	3.9	248.441
Co 228.615	17.6599	ppb	0.1098	0.6	251.351
Cr 267.716	82.7113	ppb	0.8847	1.1	3498.27
Cu 324.754	215.795	ppb	0.4797	0.2	10542.6
Fe 271.441	58029.8	ppb	567.050	1.0	97264.7
K 766.491	9539.12	ppb	89.8939	0.9	468395
Mg 279.078	33912.7	ppb	329.434	1.0	69016.2
Mn 257.610	4526.56	ppb	47.6053	1.1	1026842
Mo 202.032	3.5765	ppb	0.5696	15.9	35.6327
Na 330.237	1807.39	ppb	28.7572	1.6	44.0772
Ni 231.604	46.8920	ppb	2.3120	4.9	112.898
Pb 220.353	1073.58	ppb	12.5607	1.2	1728.73
Sb 206.834	4.0689	ppb	1.8041	44.3	7.2798
Se 196.026	3.9742	ppb	4.0517	101.9	3.1833
Sn 189.925	98.7574	ppb	3.1355	3.2	75.5551
Sr 216.596	523.923	ppb	3.6550	0.7	4979.60
Ti 334.941	1453.00	ppb	12.0385	0.8	370679
Tl 190.794	14.6502	ppb	1.8005	12.3	3.1007
V 292.401	86.0494	ppb	1.1705	1.4	2378.38
Zn 206.200	2109.57	ppb	18.6746	0.9	3294.70

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88592-b-19-a (Samp) 3/28/2013, 7:10:24 AM Rack 3, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	11.2136	9.7977	10.0985
Al 308.215	119631	119515	119137
As 188.980	223.042	223.665	215.439
B 249.678	10.3768u	9.8779u	9.2040u
Ba 389.178	3367.14	3366.14	3354.71
Be 313.042	11.7623	11.7465	11.7302
Ca 370.602	257234	255990	255305
Cd 226.502	24.9534	24.3331	24.4886
Co 228.615	108.455	110.383	109.585
Cr 267.716	479.404	479.127	477.885
Cu 324.754	5462.53	5425.19	5407.72
Fe 271.441	463453	463725	463026
K 766.491	12494.3	12482.5	12483.7
Mg 279.078	69734.3	69816.8	69449.9
Mn 257.610	16124.1	16123.5	16124.9
Mo 202.032	32.0063	33.0727	33.1370
Na 330.237	2935.11u	2591.37u	2787.73u
Ni 231.604	194.025	194.726	191.921
Pb 220.353	5578.72	5573.18	5534.92
Sb 206.834	41.6475	41.2665	44.5461
Se 196.026	-3.5715	11.5244	2.0367
Sn 189.925	253.096	252.725	254.581
Sr 216.596	514.884	515.156	512.836
Ti 334.941	1453.23	1456.86	1455.48
Tl 190.794	61.5293	62.2477	65.9996
V 292.401	377.251	376.828	376.862
Zn 206.200	20091.0	20037.3	19918.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3699	ppb	0.7460	7.2	739.281
Al 308.215	119428	ppb	257.989	0.2	684021
As 188.980	220.716	ppb	4.5801	2.1	119.640
B 249.678	9.8196	ppb	0.5886	6.0	24.8108
Ba 389.178	3362.66	ppb	6.9070	0.2	81310.4
Be 313.042	11.7463	ppb	0.0160	0.1	22633.9
Ca 370.602	256176	ppb	977.6	0.4	789383
Cd 226.502	24.5917	ppb	0.3227	1.3	1965.05
Co 228.615	109.474	ppb	0.9687	0.9	1288.00
Cr 267.716	478.805	ppb	0.8091	0.2	20181.3
Cu 324.754	5431.81	ppb	28.0021	0.5	262494
Fe 271.441	463402	ppb	352.394	0.1	776687
K 766.491	12486.8	ppb	6.4861	0.1	613065
Mg 279.078	69667.0	ppb	192.497	0.3	141715
Mn 257.610	16124.2	ppb	0.6843	0.0	3657959
Mo 202.032	32.7387	ppb	0.6351	1.9	205.317
Na 330.237	2771.41	ppb	172.448	6.2	-158.864
Ni 231.604	193.557	ppb	1.4596	0.8	467.188
Pb 220.353	5562.27	ppb	23.8485	0.4	8951.58
Sb 206.834	42.4867	ppb	1.7936	4.2	56.2021
Se 196.026	3.3299	ppb	7.6306	229.2	6.6465
Sn 189.925	253.467	ppb	0.9823	0.4	192.573
Sr 216.596	514.292	ppb	1.2680	0.2	5039.45
Ti 334.941	1455.19	ppb	1.8322	0.1	371430
Tl 190.794	63.2589	ppb	2.4005	3.8	10.3364
V 292.401	376.980	ppb	0.2350	0.1	10350.8
Zn 206.200	20015.6	ppb	88.2208	0.4	20373.6

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88592-b-19-b ms (Samp) 3/28/2013, 7:15:51 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	38.2851	38.6394	38.2317
Al 308.215	129301	129058	129136
As 188.980	294.251	299.234	294.737
B 249.678	183.912	186.480	190.317
Ba 389.178	3299.96	3299.34	3299.76
Be 313.042	61.2482	61.1806	61.2548
Ca 370.602	255960	254857	255794
Cd 226.502	72.7943	72.7499	72.7084
Co 228.615	157.547	153.842	155.318
Cr 267.716	577.443	576.824	576.807
Cu 324.754	5774.84	5721.23	5817.85
Fe 271.441	467007	466186	466237
K 766.491	18063.6	17996.5	18049.3
Mg 279.078	73061.5	73039.8	72975.0
Mn 257.610	14920.0	14897.1	14933.6
Mo 202.032	122.282	123.070	122.792
Na 330.237	6825.33	6978.26	7125.69
Ni 231.604	273.666	276.607	274.815
Pb 220.353	5306.16	5284.00	5297.79
Sb 206.834	59.2025	48.9553	52.1324
Se 196.026	85.2562	88.0761	82.7579
Sn 189.925	446.049	447.761	442.183
Sr 216.596	611.976	611.178	610.353
Ti 334.941	1632.96	1633.71	1632.54
Tl 190.794	82.6791	82.6225	91.2890
V 292.401	543.224	544.690	544.919
Zn 206.200	11732.8	11742.1	11754.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.3854	ppb	0.2216	0.6	2689.18
Al 308.215	129165	ppb	123.726	0.1	739781
As 188.980	296.074	ppb	2.7477	0.9	160.498
B 249.678	186.903	ppb	3.2231	1.7	1643.95
Ba 389.178	3299.69	ppb	0.3169	0.0	79817.9
Be 313.042	61.2279	ppb	0.0410	0.1	118405
Ca 370.602	255537	ppb	595.0	0.2	787067
Cd 226.502	72.7509	ppb	0.0430	0.1	3686.53
Co 228.615	155.569	ppb	1.8653	1.2	1816.84
Cr 267.716	577.025	ppb	0.3623	0.1	24282.2
Cu 324.754	5771.31	ppb	48.4105	0.8	278887
Fe 271.441	466477	ppb	460.204	0.1	781849
K 766.491	18036.5	ppb	35.3176	0.2	885435
Mg 279.078	73025.5	ppb	45.0010	0.1	148571
Mn 257.610	14916.9	ppb	18.4180	0.1	3384235
Mo 202.032	122.715	ppb	0.3998	0.3	785.795
Na 330.237	6976.43	ppb	150.186	2.2	113.327
Ni 231.604	275.029	ppb	1.4824	0.5	659.821
Pb 220.353	5295.98	ppb	11.1926	0.2	8522.52
Sb 206.834	53.4301	ppb	5.2454	9.8	66.8828
Se 196.026	85.3634	ppb	2.6607	3.1	43.9770
Sn 189.925	445.331	ppb	2.8573	0.6	337.662
Sr 216.596	611.169	ppb	0.8115	0.1	5948.88
Ti 334.941	1633.07	ppb	0.5923	0.0	416810
Tl 190.794	85.5302	ppb	4.9874	5.8	26.1464
V 292.401	544.278	ppb	0.9193	0.2	14931.4
Zn 206.200	11743.3	ppb	11.0729	0.1	17821.3

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88592-b-19-c msd (Samp) 3/28/2013, 7:21:18 AM Rack 3, Tube 48**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	22.5549	23.0811	22.4002
Al 308.215	118377	119165	118742
As 188.980	368.511	366.615	368.085
B 249.678	195.528	198.500	198.352
Ba 389.178	3074.17	3086.11	3084.54
Be 313.042	60.4759	60.7137	60.6718
Ca 370.602	318632	322699	319289
Cd 226.502	70.7701	71.8192	70.6256
Co 228.615	151.804	156.395	155.561
Cr 267.716	516.031	517.557	516.539
Cu 324.754	7169.80	7164.75	7121.46
Fe 271.441	555317	557079	556608
K 766.491	18666.3	18787.7	18787.0
Mg 279.078	99688.8	99919.1	99630.7
Mn 257.610	13479.9	13484.2	13474.6
Mo 202.032	134.546	133.433	135.221
Na 330.237	7120.79	7279.15	7182.95
Ni 231.604	343.575	341.849	343.333
Pb 220.353	5066.73	5085.32	5078.82
Sb 206.834	54.0382	53.0874	57.0587
Se 196.026	90.1316	87.0619	93.1353
Sn 189.925	338.637	333.028	334.403
Sr 216.596	645.765	646.998	646.846
Ti 334.941	1472.12	1475.87	1476.69
Tl 190.794	80.1889	80.9712	71.2502
V 292.401	387.476	389.716	389.242
Zn 206.200	10494.7	10563.3	10521.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.6788	ppb	0.3569	1.6	1581.85
Al 308.215	118762	ppb	394.249	0.3	680220
As 188.980	367.737	ppb	0.9948	0.3	199.081
B 249.678	197.460	ppb	1.6745	0.8	1658.74
Ba 389.178	3081.61	ppb	6.4916	0.2	74803.4
Be 313.042	60.6205	ppb	0.1269	0.2	117253
Ca 370.602	320206	ppb	2183	0.7	988343
Cd 226.502	71.0716	ppb	0.6514	0.9	3835.09
Co 228.615	154.587	ppb	2.4458	1.6	1798.06
Cr 267.716	516.709	ppb	0.7774	0.2	21774.8
Cu 324.754	7152.00	ppb	26.5690	0.4	345577
Fe 271.441	556335	ppb	912.323	0.2	932450
K 766.491	18747.0	ppb	69.9217	0.4	920308
Mg 279.078	99746.2	ppb	152.541	0.2	203036
Mn 257.610	13479.6	ppb	4.8235	0.0	3058700
Mo 202.032	134.400	ppb	0.9026	0.7	857.498
Na 330.237	7194.29	ppb	79.7884	1.1	107.999
Ni 231.604	342.919	ppb	0.9345	0.3	821.965
Pb 220.353	5076.96	ppb	9.4348	0.2	8170.09
Sb 206.834	54.7281	ppb	2.0736	3.8	69.3209
Se 196.026	90.1096	ppb	3.0368	3.4	46.0667
Sn 189.925	335.356	ppb	2.9235	0.9	254.522
Sr 216.596	646.536	ppb	0.6724	0.1	6318.49
Ti 334.941	1474.89	ppb	2.4359	0.2	376588
Tl 190.794	77.4701	ppb	5.4007	7.0	19.1205
V 292.401	388.811	ppb	1.1805	0.3	10654.5
Zn 206.200	10526.5	ppb	34.5530	0.3	15975.7

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 7:26:56 AM Rack 3, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	497.763	494.805	495.988
Al 308.215	4975.86	4952.12	4986.81
As 188.980	467.087	469.120	469.032
B 249.678	2498.71	2500.59	2543.92
Ba 389.178	4907.08	4888.81	4918.88
Be 313.042	487.522	485.413	489.239
Ca 370.602	4907	4892	4928
Cd 226.502	490.945	488.492	493.552
Co 228.615	497.180	494.147	496.805
Cr 267.716	4875.23	4856.21	4889.82
Cu 324.754	4871.97	4916.82	4846.54
Fe 271.441	4966.39	4935.72	5005.06
K 766.491	9963.26	9965.27	10030.7
Mg 279.078	4881.64	4872.12	4911.98
Mn 257.610	4946.52	4930.34	4959.57
Mo 202.032	482.286	483.425	483.951
Na 330.237	7230.45	7505.44	7535.35
Ni 231.604	2455.65	2435.98	2466.76
Pb 220.353	485.523	487.287	492.874
Sb 206.834	905.450	892.756	912.609
Se 196.026	4790.99	4788.08	4816.38
Sn 189.925	5031.70	4958.85	4995.12
Sr 216.596	2432.03	2423.42	2440.77
Ti 334.941	491.046	489.198	492.701
Tl 190.794	4917.81	4892.22	4941.06
V 292.401	4917.51	4908.10	4941.88
Zn 206.200	2457.29	2436.37	2473.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.185	ppb	1.4884	0.3	34594.5	99.23710
Al 308.215	4971.59	ppb	17.7317	0.4	28684.9	99.43188
As 188.980	468.413	ppb	1.1494	0.2	256.257	93.68254
B 249.678	2514.41	ppb	25.5769	1.0	23383.6	100.57644
Ba 389.178	4904.93	ppb	15.1538	0.3	117379	98.09852
Be 313.042	487.392	ppb	1.9164	0.4	943114	97.47832
Ca 370.602	4909	ppb	18.19	0.4	15709	98.18610
Cd 226.502	490.996	ppb	2.5304	0.5	17503.2	98.19923
Co 228.615	496.044	ppb	1.6534	0.3	5695.65	99.20876
Cr 267.716	4873.75	ppb	16.8512	0.3	203729	97.47505
Cu 324.754	4878.44	ppb	35.5867	0.7	235614	97.56888
Fe 271.441	4969.06	ppb	34.7469	0.7	8450.99	99.38116
K 766.491	9986.42	ppb	38.3808	0.4	490348	99.86417
Mg 279.078	4888.58	ppb	20.8180	0.4	9901.65	97.77156
Mn 257.610	4945.48	ppb	14.6398	0.3	1121530	98.90950
Mo 202.032	483.221	ppb	0.8513	0.2	3126.52	96.64418
Na 330.237	7423.75	ppb	168.066	2.3	349.901	98.98331
Ni 231.604	2452.80	ppb	15.5855	0.6	5798.87	98.11193
Pb 220.353	488.562	ppb	3.8376	0.8	788.386	97.71231
Sb 206.834	903.605	ppb	10.0544	1.1	908.674	90.36053
Se 196.026	4798.48	ppb	15.5687	0.3	2200.61	95.96966
Sn 189.925	4995.22	ppb	36.4254	0.7	3778.20	99.90441
Sr 216.596	2432.07	ppb	8.6750	0.4	22868.3	97.28284
Ti 334.941	490.982	ppb	1.7524	0.4	125206	98.19636
Tl 190.794	4917.03	ppb	24.4290	0.5	3242.06	98.34058
V 292.401	4922.50	ppb	17.4297	0.4	135003	98.44993
Zn 206.200	2455.78	ppb	18.7038	0.8	2714.46	98.23118

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Cont Calib Blank (CCB) 3/28/2013, 7:32:24 AM Rack 3, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3472u	-0.8736u	-0.9452u
Al 308.215	1.2671	-0.8561u	-0.8004u
As 188.980	-4.1035u	-3.8242u	-5.4240u
B 249.678	34.1107	29.0664	23.8156
Ba 389.178	0.6830	-1.2728u	-0.4053u
Be 313.042	-0.0358u	-0.0403u	-0.0233u
Ca 370.602	5.884	2.114	1.654
Cd 226.502	0.0069	-0.1543u	-0.0311u
Co 228.615	0.3818	-0.1420u	0.1720
Cr 267.716	-0.4258u	-0.0987u	0.1046
Cu 324.754	-0.2830u	0.0550	-0.6289u
Fe 271.441	3.7776	11.4197	5.4712
K 766.491	-0.5350u	-0.6420u	-0.4233u
Mg 279.078	7.6723	1.6055	1.8099
Mn 257.610	-0.1156u	-0.0497u	0.0804
Mo 202.032	-0.3856u	-0.4374u	-0.6903u
Na 330.237	-69.5329u	-117.536u	-34.5762u
Ni 231.604	1.5757	0.3309	0.3787
Pb 220.353	0.4980	-0.4216u	0.1138
Sb 206.834	3.1962	2.5598	0.4645
Se 196.026	0.5676	-9.7390u	8.1083
Sn 189.925	0.9392	-3.9073u	7.9136
Sr 216.596	0.1563	-0.1787u	0.0129
Ti 334.941	0.0253	0.0104	-0.0449u
Tl 190.794	1.2623	3.2297	-2.7283u
V 292.401	0.4448	-0.1781u	0.1172
Zn 206.200	0.5466	0.1607	-0.0841u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7220	ppb	0.3266	45.2	-82.4606	-0.72202
Al 308.215	-0.1298	ppb	1.2101	932.2	242.949	-0.12981
As 188.980	-4.4506	ppb	0.8545	19.2	-0.3453	-4.45058
B 249.678	28.9976	ppb	5.1479	17.8	623.977	28.99757
Ba 389.178	-0.3317	ppb	0.9800	295.4	-26.3001	-0.33172
Be 313.042	-0.0331	ppb	0.0088	26.5	-236.759	-0.03314
Ca 370.602	3.217	ppb	2.321	72.1	6.316	3.21746
Cd 226.502	-0.0595	ppb	0.0843	141.6	10.8905	-0.05952
Co 228.615	0.1373	ppb	0.2636	192.0	15.2577	0.13728
Cr 267.716	-0.1399	ppb	0.2676	191.2	3.5503	-0.13994
Cu 324.754	-0.2856	ppb	0.3419	119.7	93.9676	-0.28564
Fe 271.441	6.8895	ppb	4.0136	58.3	13.9849	6.88949
K 766.491	-0.5334	ppb	0.1094	20.5	199.093	-0.53345
Mg 279.078	3.6959	ppb	3.4452	93.2	29.3327	3.69590
Mn 257.610	-0.0283	ppb	0.0997	352.5	65.2839	-0.02829
Mo 202.032	-0.5044	ppb	0.1630	32.3	12.0217	-0.50443
Na 330.237	-73.8817	ppb	41.6504	56.4	-7.5558	-73.88165
Ni 231.604	0.7618	ppb	0.7053	92.6	2.7506	0.76178
Pb 220.353	0.0634	ppb	0.4619	729.0	2.5779	0.06336
Sb 206.834	2.0735	ppb	1.4293	68.9	3.2709	2.07350
Se 196.026	-0.3544	ppb	8.9593	2528.2	0.0049	-0.35438
Sn 189.925	1.6485	ppb	5.9423	360.5	2.0605	1.64853
Sr 216.596	-0.0032	ppb	0.1681	5289.8	10.4617	-0.00318
Ti 334.941	-0.0031	ppb	0.0370	1211.1	-30.8400	-0.00306
Tl 190.794	0.5879	ppb	3.0357	516.4	0.1293	0.58790
V 292.401	0.1279	ppb	0.3116	243.6	-2.1147	0.12794
Zn 206.200	0.2077	ppb	0.3180	153.1	3.0763	0.20772

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88592-b-28-a (Samp) 3/28/2013, 7:37:51 AM Rack 3, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5410	0.8744	1.2362
Al 308.215	165987	166117	166356
As 188.980	236.206	236.393	239.123
B 249.678	64.5332	63.9341	63.8787
Ba 389.178	3580.25	3580.23	3579.90
Be 313.042	22.6748	22.6810	22.7432
Ca 370.602	587190	589098	587669
Cd 226.502	21.0979	21.5517	20.6445
Co 228.615	94.6987	94.8057	93.7190
Cr 267.716	569.713	569.776	572.385
Cu 324.754	1100.60	1101.10	1106.97
Fe 271.441	535581	534367	535016
K 766.491	16633.4	16571.8	16527.6
Mg 279.078	95415.9	95655.1	95731.1
Mn 257.610	11181.9	11207.8	11215.8
Mo 202.032	18.8433	18.3674	18.8192
Na 330.237	2891.53u	3112.63u	3089.26u
Ni 231.604	153.566	154.823	152.288
Pb 220.353	3157.45	3152.40	3165.73
Sb 206.834	27.7668	43.8382	37.2521
Se 196.026	0.9898	0.2592	4.6768
Sn 189.925	123.616	114.160	119.566
Sr 216.596	1322.60	1325.37	1331.10
Ti 334.941	3465.82	3470.51	3477.71
Tl 190.794	50.9296	46.5689	42.7653u
V 292.401	789.695	790.317	792.555
Zn 206.200	8443.43	8444.27	8468.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8839	ppb	0.3477	39.3	21.5800
Al 308.215	166153	ppb	186.878	0.1	951539
As 188.980	237.241	ppb	1.6326	0.7	130.447
B 249.678	64.1153	ppb	0.3629	0.6	457.364
Ba 389.178	3580.13	ppb	0.2010	0.0	86688.8
Be 313.042	22.6997	ppb	0.0378	0.2	43946.3
Ca 370.602	587986	ppb	992.6	0.2	1854827
Cd 226.502	21.0980	ppb	0.4536	2.1	2005.41
Co 228.615	94.4078	ppb	0.5989	0.6	1166.57
Cr 267.716	570.625	ppb	1.5251	0.3	24016.4
Cu 324.754	1102.89	ppb	3.5456	0.3	53502.7
Fe 271.441	534988	ppb	607.499	0.1	896668
K 766.491	16577.6	ppb	53.1229	0.3	813836
Mg 279.078	95600.7	ppb	164.448	0.2	194611
Mn 257.610	11201.8	ppb	17.7407	0.2	2542125
Mo 202.032	18.6766	ppb	0.2681	1.4	110.668
Na 330.237	3031.14	ppb	121.471	4.0	-97.1530
Ni 231.604	153.559	ppb	1.2676	0.8	373.971
Pb 220.353	3158.52	ppb	6.7300	0.2	5081.49
Sb 206.834	36.2857	ppb	8.0792	22.3	52.9463
Se 196.026	1.9753	ppb	2.3680	119.9	5.0899
Sn 189.925	119.114	ppb	4.7440	4.0	91.1011
Sr 216.596	1326.36	ppb	4.3357	0.3	12744.3
Ti 334.941	3471.35	ppb	5.9892	0.2	885730
Tl 190.794	46.7546	ppb	4.0853	8.7	1.9415
V 292.401	790.856	ppb	1.5041	0.2	21763.9
Zn 206.200	8451.90	ppb	13.9531	0.2	12829.9

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680-88592-b-30-a (Samp) 3/28/2013, 7:43:19 AM Rack 3, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.0518	5.0269	4.9803
Al 308.215	97307.4	97263.8	97104.4
As 188.980	379.580	391.041	399.650
B 249.678	229.718	229.714	229.415
Ba 389.178	7858.65	7852.01	7843.76
Be 313.042	13.8846	13.8653	13.8851
Ca 370.602	177078	177754	177660
Cd 226.502	34.1998	33.8714	33.7397
Co 228.615	91.2793	90.4346	89.3488
Cr 267.716	247.501	248.712	249.036
Cu 324.754	1209.95	1191.44	1188.37
Fe 271.441	259581	258322	258818
K 766.491	12013.1	11910.6	11908.9
Mg 279.078	16207.8	16213.0	16232.3
Mn 257.610	6560.25	6542.40	6553.68
Mo 202.032	44.0951	46.0766	43.9697
Na 330.237	3930.02	3680.34	3565.77
Ni 231.604	196.733	197.377	196.492
Pb 220.353	3340.94	3333.57	3330.30
Sb 206.834	18.4002	21.5981	33.7991
Se 196.026	16.6445	9.1300	24.2705
Sn 189.925	164.232	170.896	167.826
Sr 216.596	1717.93	1728.56	1725.76
Ti 334.941	1986.72	1994.73	1997.12
Tl 190.794	28.0100	27.2684	38.3586
V 292.401	336.441	335.159	335.322
Zn 206.200	8665.81	8646.52	8632.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.6864	ppb	0.5500	11.7	250.760
Al 308.215	97225.2	ppb	106.849	0.1	556904
As 188.980	390.090	ppb	10.0685	2.6	212.845
B 249.678	229.616	ppb	0.1742	0.1	2224.90
Ba 389.178	7851.47	ppb	7.4618	0.1	188273
Be 313.042	13.8784	ppb	0.0113	0.1	26736.4
Ca 370.602	177497	ppb	366.1	0.2	552132
Cd 226.502	33.9370	ppb	0.2369	0.7	1822.21
Co 228.615	90.3542	ppb	0.9677	1.1	1089.10
Cr 267.716	248.416	ppb	0.8088	0.3	10473.2
Cu 324.754	1196.59	ppb	11.6714	1.0	57952.8
Fe 271.441	258907	ppb	634.365	0.2	433950
K 766.491	11944.2	ppb	59.6449	0.5	586434
Mg 279.078	16217.7	ppb	12.8984	0.1	32969.4
Mn 257.610	6552.11	ppb	9.0269	0.1	1486592
Mo 202.032	44.7138	ppb	1.1818	2.6	291.832
Na 330.237	3725.38	ppb	186.254	5.0	29.6685
Ni 231.604	196.867	ppb	0.4573	0.2	471.172
Pb 220.353	3334.94	ppb	5.4492	0.2	5366.29
Sb 206.834	24.5991	ppb	8.1263	33.0	32.3242
Se 196.026	16.6817	ppb	7.5703	45.4	10.0162
Sn 189.925	167.651	ppb	3.3353	2.0	127.655
Sr 216.596	1724.09	ppb	5.5106	0.3	16353.7
Ti 334.941	1992.86	ppb	5.4452	0.3	508310
Tl 190.794	31.2123	ppb	6.2000	19.9	5.3594
V 292.401	335.641	ppb	0.6979	0.2	9233.40
Zn 206.200	8648.31	ppb	16.6841	0.2	13125.7

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680-88592-a-33-a (Samp) 3/28/2013, 7:48:46 AM Rack 3, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.7284	8.6495	8.3883
Al 308.215	113900	113835	113980
As 188.980	204.607	193.979	198.857
B 249.678	34.3243u	32.0499u	34.2221u
Ba 389.178	2923.78	2925.12	2932.86
Be 313.042	10.5425	10.5651	10.5906
Ca 370.602	270927	272173	273052
Cd 226.502	23.9319	23.8194	23.9484
Co 228.615	90.6191	89.4658	89.7306
Cr 267.716	443.549	444.808	444.944
Cu 324.754	10420.3	10620.0	10533.2
Fe 271.441	430286	430682	431592
K 766.491	11884.3	11840.7	11881.9
Mg 279.078	64152.8	64062.0	64191.4
Mn 257.610	12497.5	12507.9	12524.9
Mo 202.032	42.9109	43.9008	41.9387
Na 330.237	1949.16u	2050.35u	1520.20u
Ni 231.604	225.070	226.965	225.299
Pb 220.353	5670.98	5697.26	5691.54
Sb 206.834	21.1151	29.2276	29.7432
Se 196.026	7.1928	2.8151	7.3101
Sn 189.925	212.549	218.302	212.951
Sr 216.596	559.932	564.201	563.992
Ti 334.941	1286.04	1294.51	1295.22
Tl 190.794	50.4043	52.1148	38.9139u
V 292.401	302.598	302.893	303.061
Zn 206.200	11427.0	11405.1	11409.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.5887	ppb	0.1780	2.1	596.900
Al 308.215	113905	ppb	72.7782	0.1	652404
As 188.980	199.148	ppb	5.3201	2.7	108.339
B 249.678	33.5321	ppb	1.2847	3.8	271.690
Ba 389.178	2927.25	ppb	4.9049	0.2	70829.4
Be 313.042	10.5661	ppb	0.0241	0.2	20357.3
Ca 370.602	272051	ppb	1068	0.4	843172
Cd 226.502	23.8999	ppb	0.0702	0.3	1864.93
Co 228.615	89.9385	ppb	0.6041	0.7	1061.08
Cr 267.716	444.434	ppb	0.7688	0.2	18724.6
Cu 324.754	10524.5	ppb	100.166	1.0	508369
Fe 271.441	430853	ppb	669.464	0.2	722133
K 766.491	11869.0	ppb	24.5129	0.2	582741
Mg 279.078	64135.4	ppb	66.4396	0.1	130500
Mn 257.610	12510.1	ppb	13.8738	0.1	2838326
Mo 202.032	42.9168	ppb	0.9811	2.3	272.604
Na 330.237	1839.90	ppb	281.459	15.3	-131.940
Ni 231.604	225.778	ppb	1.0339	0.5	542.733
Pb 220.353	5686.59	ppb	13.8187	0.2	9151.00
Sb 206.834	26.6953	ppb	4.8394	18.1	39.9421
Se 196.026	5.7727	ppb	2.5620	44.4	6.8491
Sn 189.925	214.601	ppb	3.2118	1.5	163.189
Sr 216.596	562.708	ppb	2.4068	0.4	5484.46
Ti 334.941	1291.92	ppb	5.1084	0.4	329765
Tl 190.794	47.1443	ppb	7.1789	15.2	4.2666
V 292.401	302.851	ppb	0.2343	0.1	8309.18
Zn 206.200	11414.0	ppb	11.5492	0.1	17322.3

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88592-a-34-a (Samp) 3/28/2013, 7:54:13 AM Rack 3, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.5042	3.2215	2.6651
Al 308.215	162599	162445	162087
As 188.980	267.108	260.868	263.718
B 249.678	57.6534	58.7131	60.9632
Ba 389.178	4215.67	4212.31	4207.45
Be 313.042	20.3897	20.3294	20.3268
Ca 370.602	405083	405802	403025
Cd 226.502	28.6591	28.8560	27.9234
Co 228.615	102.692	101.228	103.340
Cr 267.716	659.195	657.234	657.409
Cu 324.754	1938.27	1930.46	1913.87
Fe 271.441	552179	552175	551290
K 766.491	16235.6	16229.2	16253.0
Mg 279.078	83806.4	83715.9	83504.3
Mn 257.610	11014.1	10985.2	10980.1
Mo 202.032	23.4905	22.5990	23.1693
Na 330.237	3091.87u	2906.80u	3102.59u
Ni 231.604	221.258	222.044	220.992
Pb 220.353	4957.13	4943.48	4910.94
Sb 206.834	19.0764	18.4881	15.8553
Se 196.026	10.4643	3.2772	2.6482
Sn 189.925	273.391	276.208	275.414
Sr 216.596	1142.37	1137.51	1139.71
Ti 334.941	3472.60	3468.43	3468.89
Tl 190.794	46.9411	43.2264u	48.3290
V 292.401	691.324	692.458	691.668
Zn 206.200	9915.40	9857.28	9853.00

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.7969	ppb	0.3764	13.5	162.767
Al 308.215	162377	ppb	262.987	0.2	929919
As 188.980	263.898	ppb	3.1239	1.2	143.387
B 249.678	59.1099	ppb	1.6902	2.9	395.135
Ba 389.178	4211.81	ppb	4.1324	0.1	101797
Be 313.042	20.3486	ppb	0.0356	0.2	39331.4
Ca 370.602	404637	ppb	1441	0.4	1261504
Cd 226.502	28.4795	ppb	0.4916	1.7	2309.66
Co 228.615	102.420	ppb	1.0819	1.1	1257.15
Cr 267.716	657.946	ppb	1.0848	0.2	27670.4
Cu 324.754	1927.53	ppb	12.4583	0.6	93323.9
Fe 271.441	551882	ppb	512.367	0.1	924982
K 766.491	16239.3	ppb	12.3299	0.1	797232
Mg 279.078	83675.5	ppb	155.007	0.2	170329
Mn 257.610	10993.1	ppb	18.3749	0.2	2494781
Mo 202.032	23.0863	ppb	0.4515	2.0	138.505
Na 330.237	3033.75	ppb	110.075	3.6	-112.584
Ni 231.604	221.431	ppb	0.5474	0.2	534.739
Pb 220.353	4937.18	ppb	23.7321	0.5	7943.05
Sb 206.834	17.8066	ppb	1.7153	9.6	36.4484
Se 196.026	5.4632	ppb	4.3424	79.5	6.6901
Sn 189.925	275.004	ppb	1.4523	0.5	208.914
Sr 216.596	1139.86	ppb	2.4321	0.2	10976.5
Ti 334.941	3469.97	ppb	2.2849	0.1	885332
Tl 190.794	46.1655	ppb	2.6382	5.7	1.1121
V 292.401	691.817	ppb	0.5815	0.1	19033.2
Zn 206.200	9875.23	ppb	34.8567	0.4	14987.8

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mb 680-270845/1-a (Samp) **3/28/2013, 7:59:40 AM** **Rack 3, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.5705u	0.1812	-1.5792u
Al 308.215	4.2098	5.0129	4.7914
As 188.980	-4.7531u	-1.5567u	-11.2039u
B 249.678	-26.5706u	-26.2894u	-25.7199u
Ba 389.178	0.0873	-0.0781u	0.3390
Be 313.042	-0.0337u	-0.0266u	-0.0316u
Ca 370.602	18.59	14.91	16.80
Cd 226.502	0.0305	-0.2541u	0.0802
Co 228.615	-0.6743u	-0.2587u	-0.3226u
Cr 267.716	0.0589	-0.0561u	0.1873
Cu 324.754	-0.2162u	-0.2595u	0.5157
Fe 271.441	27.5477	31.2863	23.7063
K 766.491	10.3813	10.7739	11.0115
Mg 279.078	4.0269	6.6007	11.3733
Mn 257.610	0.5318	0.4672	0.4587
Mo 202.032	-1.2158u	-0.3673u	-0.8836u
Na 330.237	-44.4718u	489.717	145.380
Ni 231.604	-0.1461u	0.1311	1.3685
Pb 220.353	0.3438	-5.4755u	3.5045
Sb 206.834	-6.4568u	-3.8044u	-2.2628u
Se 196.026	0.3428	3.1436	-1.0768u
Sn 189.925	8.5093	10.0391	9.2585
Sr 216.596	-0.2615u	-0.3216u	-0.1832u
Ti 334.941	1.4414	1.2547	1.0056
Tl 190.794	0.5350	-7.1876u	-0.8887u
V 292.401	0.1558	0.3211	-0.0967u
Zn 206.200	1.2075	2.9422	0.3025

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9895	ppb	1.0139	102.5	-101.165
Al 308.215	4.6714	ppb	0.4148	8.9	270.370
As 188.980	-5.8379	ppb	4.9143	84.2	-1.0985
B 249.678	-26.1933	ppb	0.4334	1.7	118.457
Ba 389.178	0.1161	ppb	0.2101	181.0	-15.5484
Be 313.042	-0.0306	ppb	0.0036	11.9	-231.824
Ca 370.602	16.77	ppb	1.838	11.0	48.50
Cd 226.502	-0.0478	ppb	0.1804	377.3	11.3568
Co 228.615	-0.4185	ppb	0.2238	53.5	8.9419
Cr 267.716	0.0633	ppb	0.1218	192.2	12.0596
Cu 324.754	0.0133	ppb	0.4356	3267.4	108.395
Fe 271.441	27.5134	ppb	3.7901	13.8	48.5578
K 766.491	10.7222	ppb	0.3183	3.0	751.510
Mg 279.078	7.3337	ppb	3.7277	50.8	36.7364
Mn 257.610	0.4859	ppb	0.0400	8.2	181.955
Mo 202.032	-0.8222	ppb	0.4276	52.0	9.9689
Na 330.237	196.875	ppb	270.792	137.5	6.1665
Ni 231.604	0.4512	ppb	0.8064	178.7	2.0169
Pb 220.353	-0.5424	ppb	4.5551	839.8	1.6033
Sb 206.834	-4.1747	ppb	2.1214	50.8	-2.6852
Se 196.026	0.8032	ppb	2.1475	267.4	0.5357
Sn 189.925	9.2689	ppb	0.7649	8.3	7.8232
Sr 216.596	-0.2554	ppb	0.0694	27.2	8.0994
Ti 334.941	1.2339	ppb	0.2186	17.7	284.622
Tl 190.794	-2.5137	ppb	4.1098	163.5	-1.9191
V 292.401	0.1267	ppb	0.2104	166.0	-2.0440
Zn 206.200	1.4841	ppb	1.3411	90.4	5.0124

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ics 680-270845/2-a (Samp) 3/28/2013, 8:05:07 AM Rack 3, Tube 56
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	19.2528	20.9321	19.2061
Al 308.215	4938.21	4947.07	4938.26
As 188.980	96.9640	98.3943	96.1618
B 249.678	167.213	168.507	169.808
Ba 389.178	101.868	102.854	101.851
Be 313.042	51.1037	51.2185	51.1407
Ca 370.602	4898	4905	4902
Cd 226.502	51.6738	51.5790	51.1810
Co 228.615	52.1633	51.7993	51.8838
Cr 267.716	101.792	100.888	100.811
Cu 324.754	101.121	99.8274	99.7806
Fe 271.441	5043.29	5055.68	5047.05
K 766.491	4999.42	5029.39	5027.33
Mg 279.078	4978.31	4996.37	4972.76
Mn 257.610	518.923	519.822	518.211
Mo 202.032	98.7585	99.0148	100.420
Na 330.237	5129.29	4898.52	4989.66
Ni 231.604	101.697	101.300	99.2251
Pb 220.353	52.3366	50.4656	50.5101
Sb 206.834	47.8318	52.4081	40.8770
Se 196.026	104.257	86.9441	92.7147
Sn 189.925	212.470	217.034	215.151
Sr 216.596	101.537	101.346	100.627
Ti 334.941	100.918	101.098	101.047
Tl 190.794	38.7485	36.6161	38.6169
V 292.401	102.004	102.453	102.166
Zn 206.200	100.948	98.1446	99.6454

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.7970	ppb	0.9833	5.0	1350.11
Al 308.215	4941.18	ppb	5.1020	0.1	28545.6
As 188.980	97.1734	ppb	1.1309	1.2	54.7956
B 249.678	168.509	ppb	1.2978	0.8	1897.17
Ba 389.178	102.191	ppb	0.5746	0.6	2448.42
Be 313.042	51.1543	ppb	0.0586	0.1	98839.0
Ca 370.602	4902	ppb	3.400	0.1	15436
Cd 226.502	51.4779	ppb	0.2614	0.5	1857.29
Co 228.615	51.9488	ppb	0.1905	0.4	607.135
Cr 267.716	101.164	ppb	0.5456	0.5	4240.50
Cu 324.754	100.243	ppb	0.7610	0.8	4950.77
Fe 271.441	5048.67	ppb	6.3513	0.1	8472.89
K 766.491	5018.71	ppb	16.7426	0.3	246538
Mg 279.078	4982.48	ppb	12.3412	0.2	10161.4
Mn 257.610	518.985	ppb	0.8076	0.2	117796
Mo 202.032	99.3977	ppb	0.8944	0.9	656.605
Na 330.237	5005.82	ppb	116.229	2.3	247.388
Ni 231.604	100.741	ppb	1.3277	1.3	239.173
Pb 220.353	51.1041	ppb	1.0676	2.1	84.5163
Sb 206.834	47.0390	ppb	5.8063	12.3	46.4147
Se 196.026	94.6385	ppb	8.8152	9.3	43.6758
Sn 189.925	214.885	ppb	2.2937	1.1	163.313
Sr 216.596	101.170	ppb	0.4798	0.5	960.994
Ti 334.941	101.021	ppb	0.0926	0.1	25754.3
Tl 190.794	37.9938	ppb	1.1949	3.1	24.1696
V 292.401	102.208	ppb	0.2276	0.2	2781.40
Zn 206.200	99.5794	ppb	1.4029	1.4	153.590

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ics 680-270845/3-a (Samp) 3/28/2013, 8:10:34 AM Rack 3, Tube 57
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	210.285	211.068	207.914
Al 308.215	2111.68	2115.02	2113.65
As 188.980	211.514	213.040	207.159
B 249.678	372.375	375.266	378.988
Ba 389.178	200.284	199.776	200.142
Be 313.042	204.242	204.694	204.322
Ca 370.602	19833	19833	19776
Cd 226.502	199.268	199.180	201.586
Co 228.615	199.728	201.247	202.381
Cr 267.716	200.630	200.447	199.727
Cu 324.754	203.673	204.410	202.204
Fe 271.441	20913.0	20948.2	20930.5
K 766.491	19877.4	20020.4	20034.8
Mg 279.078	20090.3	20051.3	20020.0
Mn 257.610	2069.39	2070.77	2069.38
Mo 202.032	197.819	198.936	199.900
Na 330.237	18065.8	17998.6	17943.5
Ni 231.604	201.639	200.723	201.765
Pb 220.353	198.639	198.521	196.710
Sb 206.834	185.216	189.639	188.343
Se 196.026	188.369	203.824	210.699
Sn 189.925	221.308	215.901	217.154
Sr 216.596	213.756	213.628	212.873
Ti 334.941	202.241	202.477	202.197
Tl 190.794	49.1870	55.4793	47.0558
V 292.401	204.073	203.474	203.329
Zn 206.200	190.546	190.856	185.626

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	209.756	ppb	1.6426	0.8	14629.2
Al 308.215	2113.45	ppb	1.6808	0.1	12367.0
As 188.980	210.571	ppb	3.0520	1.4	116.306
B 249.678	375.543	ppb	3.3148	0.9	3778.92
Ba 389.178	200.067	ppb	0.2623	0.1	4855.16
Be 313.042	204.419	ppb	0.2408	0.1	395528
Ca 370.602	19814	ppb	32.95	0.2	62324
Cd 226.502	200.011	ppb	1.3640	0.7	7181.78
Co 228.615	201.119	ppb	1.3307	0.7	2312.28
Cr 267.716	200.268	ppb	0.4774	0.2	8390.89
Cu 324.754	203.429	ppb	1.1230	0.6	9938.99
Fe 271.441	20930.6	ppb	17.5928	0.1	35114.6
K 766.491	19977.6	ppb	87.0212	0.4	980702
Mg 279.078	20053.8	ppb	35.1933	0.2	40837.9
Mn 257.610	2069.85	ppb	0.7997	0.0	469589
Mo 202.032	198.885	ppb	1.0416	0.5	1298.03
Na 330.237	18002.6	ppb	61.2480	0.3	901.228
Ni 231.604	201.376	ppb	0.5687	0.3	477.345
Pb 220.353	197.957	ppb	1.0814	0.5	320.918
Sb 206.834	187.732	ppb	2.2737	1.2	181.938
Se 196.026	200.964	ppb	11.4362	5.7	92.8065
Sn 189.925	218.121	ppb	2.8302	1.3	165.770
Sr 216.596	213.419	ppb	0.4774	0.2	2020.58
Ti 334.941	202.305	ppb	0.1504	0.1	51647.6
Tl 190.794	50.5740	ppb	4.3797	8.7	30.4916
V 292.401	203.626	ppb	0.3944	0.2	5546.76
Zn 206.200	189.009	ppb	2.9342	1.6	289.099

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-30-b (Samp) 3/28/2013, 8:16:01 AM Rack 3, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5872u	-1.3675u	-2.5094u
Al 308.215	31710.6	31764.6	31763.6
As 188.980	28.0476	26.3581	14.2755
B 249.678	3.2896u	1.6117u	1.4850u
Ba 389.178	890.939	889.761	891.667
Be 313.042	3.0496	3.0391	3.0480
Ca 370.602	65528	65531	65520
Cd 226.502	2.7020	2.2691	2.5552
Co 228.615	26.7037	26.3506	27.4750
Cr 267.716	62.6320	62.3803	62.6890
Cu 324.754	159.831	160.490	158.703
Fe 271.441	45024.9	45225.5	45281.6
K 766.491	2560.66	2564.74	2556.78
Mg 279.078	14067.6	14080.2	14115.4
Mn 257.610	2194.90	2204.00	2205.41
Mo 202.032	7.4028	8.4672	8.1652
Na 330.237	660.281	367.529u	629.975
Ni 231.604	34.0084	34.1027	35.3418
Pb 220.353	561.189	553.565	563.270
Sb 206.834	-2.8516u	4.2992	0.1076
Se 196.026	3.9928	10.5262	0.0802
Sn 189.925	33.9012	38.1521	32.0317
Sr 216.596	279.340	282.351	281.143
Ti 334.941	929.909	927.959	927.404
Tl 190.794	5.8695	5.7634	7.8176
V 292.401	108.449	108.403	108.569
Zn 206.200	554.528	555.230	555.596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8214	ppb	0.6059	33.3	-161.695
Al 308.215	31746.3	ppb	30.9092	0.1	182005
As 188.980	22.8937	ppb	7.5112	32.8	14.5822
B 249.678	2.1288	ppb	1.0073	47.3	336.641
Ba 389.178	890.789	ppb	0.9615	0.1	21400.6
Be 313.042	3.0456	ppb	0.0056	0.2	5741.97
Ca 370.602	65526	ppb	5.834	0.0	208022
Cd 226.502	2.5088	ppb	0.2201	8.8	207.250
Co 228.615	26.8431	ppb	0.5750	2.1	343.223
Cr 267.716	62.5671	ppb	0.1643	0.3	2643.45
Cu 324.754	159.675	ppb	0.9038	0.6	7829.18
Fe 271.441	45177.3	ppb	134.945	0.3	75725.2
K 766.491	2560.73	ppb	3.9830	0.2	125903
Mg 279.078	14087.7	ppb	24.7722	0.2	28679.9
Mn 257.610	2201.44	ppb	5.7037	0.3	499461
Mo 202.032	8.0118	ppb	0.5486	6.8	64.8050
Na 330.237	552.595	ppb	160.987	29.1	-0.3873
Ni 231.604	34.4843	ppb	0.7441	2.2	83.3167
Pb 220.353	559.341	ppb	5.1096	0.9	901.743
Sb 206.834	0.5184	ppb	3.5931	693.2	3.2892
Se 196.026	4.8664	ppb	5.2775	108.4	3.0243
Sn 189.925	34.6950	ppb	3.1364	9.0	27.0745
Sr 216.596	280.945	ppb	1.5152	0.5	2677.92
Ti 334.941	928.424	ppb	1.3152	0.1	236812
Tl 190.794	6.4835	ppb	1.1566	17.8	0.4058
V 292.401	108.474	ppb	0.0855	0.1	2987.31
Zn 206.200	555.118	ppb	0.5431	0.1	845.376

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-31-b (Samp) 3/28/2013, 8:21:28 AM Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.4682u	-2.4032u	-3.0346u
Al 308.215	63281.1	63356.1	63491.7
As 188.980	28.3604	29.8171	34.5819
B 249.678	-11.5896u	-11.4740u	-12.4266u
Ba 389.178	2412.09	2410.82	2411.53
Be 313.042	5.4652	5.4679	5.4756
Ca 370.602	29361	29416	29537
Cd 226.502	-0.1479	-0.3455	-0.3411
Co 228.615	45.2852	45.1817	45.8804
Cr 267.716	94.2783	94.4817	94.5472
Cu 324.754	646.353	651.972	652.292
Fe 271.441	73158.6	73149.3	73239.0
K 766.491	3232.20	3219.49	3207.92
Mg 279.078	9782.47	9807.94	9831.95
Mn 257.610	8860.27	8869.62	8867.71
Mo 202.032	3.7562	3.6565	3.3445
Na 330.237	230.642u	532.815u	326.451u
Ni 231.604	40.7745	41.8766	46.1716
Pb 220.353	894.337	899.899	902.122
Sb 206.834	-0.3344	0.4351	2.8317
Se 196.026	6.5072	-1.6244	-17.0904u
Sn 189.925	88.7077	92.4410	87.7381
Sr 216.596	301.647	304.270	302.932
Ti 334.941	1101.77	1102.45	1105.60
Tl 190.794	33.5607	34.4194	25.3937
V 292.401	156.745	156.287	156.427
Zn 206.200	396.967	397.369	399.514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6354	ppb	0.3473	13.2	-190.649
Al 308.215	63376.3	ppb	106.747	0.2	363101
As 188.980	30.9198	ppb	3.2541	10.5	18.4229
B 249.678	-11.8301	ppb	0.5198	4.4	183.204
Ba 389.178	2411.48	ppb	0.6354	0.0	57816.5
Be 313.042	5.4696	ppb	0.0054	0.1	10421.0
Ca 370.602	29438	ppb	89.94	0.3	89443
Cd 226.502	-0.2782	ppb	0.1129	40.6	172.982
Co 228.615	45.4491	ppb	0.3771	0.8	559.799
Cr 267.716	94.4358	ppb	0.1402	0.1	4006.68
Cu 324.754	650.206	ppb	3.3405	0.5	31520.2
Fe 271.441	73182.3	ppb	49.3236	0.1	122665
K 766.491	3219.87	ppb	12.1417	0.4	158253
Mg 279.078	9807.46	ppb	24.7419	0.3	19854.7
Mn 257.610	8865.87	ppb	4.9403	0.1	2010714
Mo 202.032	3.5857	ppb	0.2148	6.0	34.8989
Na 330.237	363.303	ppb	154.421	42.5	-18.4680
Ni 231.604	42.9409	ppb	2.8516	6.6	103.840
Pb 220.353	898.786	ppb	4.0101	0.4	1448.59
Sb 206.834	0.9775	ppb	1.6513	168.9	4.7264
Se 196.026	-4.0692	ppb	11.9873	294.6	0.5303
Sn 189.925	89.6289	ppb	2.4831	2.8	68.6011
Sr 216.596	302.949	ppb	1.3116	0.4	2892.04
Ti 334.941	1103.28	ppb	2.0417	0.2	281391
Tl 190.794	31.1246	ppb	4.9816	16.0	9.3035
V 292.401	156.486	ppb	0.2349	0.2	4309.33
Zn 206.200	397.950	ppb	1.3693	0.3	606.506

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-32-b (Samp) 3/28/2013, 8:26:55 AM Rack 3, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1390u	-0.3227u	0.0382
Al 308.215	86524.8	87318.0	87416.1
As 188.980	1.7624	10.6833	4.4490
B 249.678	-15.6800u	-16.2282u	-15.9917u
Ba 389.178	343.955	346.266	348.457
Be 313.042	1.3689	1.3882	1.4006
Ca 370.602	2734	2739	2732
Cd 226.502	-0.5231	-0.7195	-0.9437
Co 228.615	4.9763	5.3377	4.9497
Cr 267.716	103.629	104.955	105.035
Cu 324.754	39.9139	41.9116	40.3418
Fe 271.441	75929.0	76554.0	76533.1
K 766.491	3022.05	3037.06	3034.98
Mg 279.078	6483.92	6564.51	6569.60
Mn 257.610	278.999	281.865	282.177
Mo 202.032	2.5141	2.4976	3.3585
Na 330.237	189.114u	-5.9973u	609.720
Ni 231.604	20.3080	21.8489	23.5137
Pb 220.353	42.8997	46.3633	43.3615
Sb 206.834	-3.7410u	-2.0832	-4.8611u
Se 196.026	6.7104	0.6011	2.7638
Sn 189.925	16.6806	17.2554	15.1735
Sr 216.596	38.0666	40.0220	39.9755
Ti 334.941	867.943	879.437	881.254
Tl 190.794	9.3019	3.7159u	2.2042u
V 292.401	209.685	211.787	211.691
Zn 206.200	114.810	116.735	117.563

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1412	ppb	0.1805	127.8	-41.0886
Al 308.215	87086.3	ppb	488.743	0.6	498851
As 188.980	5.6315	ppb	4.5765	81.3	4.4659
B 249.678	-15.9666	ppb	0.2749	1.7	142.399
Ba 389.178	346.226	ppb	2.2513	0.7	8395.99
Be 313.042	1.3859	ppb	0.0160	1.2	2509.69
Ca 370.602	2735	ppb	3.236	0.1	2698
Cd 226.502	-0.7288	ppb	0.2104	28.9	164.300
Co 228.615	5.0879	ppb	0.2168	4.3	92.2007
Cr 267.716	104.540	ppb	0.7900	0.8	4396.84
Cu 324.754	40.7224	ppb	1.0518	2.6	2093.77
Fe 271.441	76338.7	ppb	354.958	0.5	127949
K 766.491	3031.36	ppb	8.1339	0.3	149001
Mg 279.078	6539.34	ppb	48.0684	0.7	13324.8
Mn 257.610	281.014	ppb	1.7518	0.6	64034.3
Mo 202.032	2.7901	ppb	0.4924	17.6	29.5281
Na 330.237	264.279	ppb	314.666	119.1	-20.5827
Ni 231.604	21.8902	ppb	1.6033	7.3	54.1483
Pb 220.353	44.2082	ppb	1.8806	4.3	71.6531
Sb 206.834	-3.5618	ppb	1.3976	39.2	0.5144
Se 196.026	3.3584	ppb	3.0977	92.2	1.9785
Sn 189.925	16.3698	ppb	1.0752	6.6	13.1923
Sr 216.596	39.3547	ppb	1.1158	2.8	408.362
Ti 334.941	876.211	ppb	7.2177	0.8	223470
Tl 190.794	5.0740	ppb	3.7387	73.7	0.3014
V 292.401	211.054	ppb	1.1867	0.6	5805.88
Zn 206.200	116.369	ppb	1.4120	1.2	179.009

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 8:32:23 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	498.918	508.394	504.789
Al 308.215	4993.34	4972.94	5002.22
As 188.980	486.415	473.284	481.811
B 249.678	2500.83	2513.24	2541.73
Ba 389.178	4925.01	4902.43	4932.23
Be 313.042	488.179	486.957	489.886
Ca 370.602	4916	4896	4938
Cd 226.502	494.615	492.481	493.925
Co 228.615	498.765	493.795	497.243
Cr 267.716	4873.87	4868.72	4903.69
Cu 324.754	4949.75	4925.17	4882.83
Fe 271.441	4971.60	4942.62	4963.43
K 766.491	10008.8	9954.68	10014.6
Mg 279.078	4912.25	4888.90	4930.31
Mn 257.610	4975.38	4954.35	4993.97
Mo 202.032	483.031	483.896	485.699
Na 330.237	7615.94	7305.69	7367.07
Ni 231.604	2468.22	2457.41	2469.31
Pb 220.353	486.000	490.451	487.829
Sb 206.834	909.029	904.038	916.189
Se 196.026	4805.92	4803.65	4828.46
Sn 189.925	4957.99	5007.21	5005.66
Sr 216.596	2425.71	2430.76	2441.62
Ti 334.941	490.499	490.401	493.371
Tl 190.794	4888.04	4941.48	4952.01
V 292.401	4928.11	4905.90	4939.07
Zn 206.200	2467.58	2468.55	2482.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.034	ppb	4.7828	0.9	35142.6	100.80672
Al 308.215	4989.50	ppb	15.0115	0.3	28787.6	99.78994
As 188.980	480.503	ppb	6.6627	1.4	262.821	96.10066
B 249.678	2518.60	ppb	20.9718	0.8	23422.0	100.74408
Ba 389.178	4919.89	ppb	15.5477	0.3	117737	98.39785
Be 313.042	488.341	ppb	1.4711	0.3	944951	97.66816
Ca 370.602	4917	ppb	21.07	0.4	15735	98.33858
Cd 226.502	493.674	ppb	1.0889	0.2	17598.5	98.73471
Co 228.615	496.601	ppb	2.5465	0.5	5702.02	99.32018
Cr 267.716	4882.09	ppb	18.8788	0.4	204078	97.64189
Cu 324.754	4919.25	ppb	33.8461	0.7	237584	98.38497
Fe 271.441	4959.22	ppb	14.9399	0.3	8434.50	99.18430
K 766.491	9992.69	ppb	33.0442	0.3	490656	99.92693
Mg 279.078	4910.49	ppb	20.7640	0.4	9945.85	98.20972
Mn 257.610	4974.57	ppb	19.8225	0.4	1128127	99.49136
Mo 202.032	484.209	ppb	1.3611	0.3	3132.89	96.84175
Na 330.237	7429.56	ppb	164.294	2.2	350.074	99.06087
Ni 231.604	2464.98	ppb	6.5769	0.3	5827.66	98.59923
Pb 220.353	488.093	ppb	2.2371	0.5	787.635	97.61861
Sb 206.834	909.752	ppb	6.1080	0.7	914.759	90.97520
Se 196.026	4812.68	ppb	13.7152	0.3	2207.12	96.25352
Sn 189.925	4990.29	ppb	27.9814	0.6	3774.47	99.80573
Sr 216.596	2432.70	ppb	8.1293	0.3	22873.9	97.30780
Ti 334.941	491.424	ppb	1.6870	0.3	125319	98.28472
Tl 190.794	4927.18	ppb	34.3012	0.7	3248.74	98.54350
V 292.401	4924.36	ppb	16.8963	0.3	135052	98.48723
Zn 206.200	2472.93	ppb	8.4543	0.3	3740.42	98.91737

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/28/2013, 8:37:50 AM Rack 4, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1372	-1.8825u	-1.4407u
Al 308.215	-1.3157u	0.0864	1.5534
As 188.980	2.4091	-0.2374u	-1.6345u
B 249.678	29.9225	25.3913	19.5109
Ba 389.178	-0.7741u	0.7433	-0.3249u
Be 313.042	-0.0224u	-0.0270u	-0.0224u
Ca 370.602	2.720	-2.381u	-0.9450u
Cd 226.502	-0.1119u	-0.1377u	-0.1452u
Co 228.615	-0.6055u	0.2814	0.3353
Cr 267.716	-0.2024u	-0.2306u	-0.0080u
Cu 324.754	-0.3599u	-0.3005u	-1.2430u
Fe 271.441	6.1932	1.0312	0.8195
K 766.491	-0.8689u	-0.4525u	-0.5932u
Mg 279.078	1.3696	-1.5641u	-1.3942u
Mn 257.610	-0.0812u	-0.1010u	-0.1137u
Mo 202.032	0.1065	0.3458	-0.5686u
Na 330.237	176.803	131.196	110.254
Ni 231.604	-0.1779u	0.3545	0.2515
Pb 220.353	-0.9888u	-1.6955u	-0.9045u
Sb 206.834	4.8877	0.3070	7.8946
Se 196.026	-9.8266u	2.6765	1.3930
Sn 189.925	-2.8798u	-0.7367u	-0.9699u
Sr 216.596	0.4694	-0.0490u	-1.0020u
Ti 334.941	0.0275	-0.0143u	0.0091
Tl 190.794	0.1118	-0.9881u	1.8241
V 292.401	0.0111	-0.1784u	0.3347
Zn 206.200	-0.7832u	-1.5816u	-0.0038u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-1.0620	ppb	1.0618	100.0	-106.243	-1.06202
Al 308.215	0.1080	ppb	1.4347	1328.2	244.311	0.10802
As 188.980	0.1791	ppb	2.0537	1146.8	2.1682	0.17908
B 249.678	24.9416	ppb	5.2204	20.9	586.829	24.94157
Ba 389.178	-0.1186	ppb	0.7794	657.3	-21.2130	-0.11858
Be 313.042	-0.0239	ppb	0.0027	11.2	-218.973	-0.02394
Ca 370.602	-0.2019	ppb	2.630	1302.7	-4.590	-0.20191
Cd 226.502	-0.1316	ppb	0.0174	13.3	8.3198	-0.13160
Co 228.615	0.0037	ppb	0.5283	14137.7	13.7308	0.00374
Cr 267.716	-0.1470	ppb	0.1212	82.5	3.2590	-0.14698
Cu 324.754	-0.6345	ppb	0.5278	83.2	77.1242	-0.63449
Fe 271.441	2.6813	ppb	3.0432	113.5	7.0199	2.68133
K 766.491	-0.6382	ppb	0.2118	33.2	193.951	-0.63822
Mg 279.078	-0.5296	ppb	1.6469	311.0	20.7272	-0.52959
Mn 257.610	-0.0986	ppb	0.0164	16.6	49.3097	-0.09862
Mo 202.032	-0.0388	ppb	0.4742	1223.4	15.0283	-0.03876
Na 330.237	139.417	ppb	34.0279	24.4	3.2811	139.41739
Ni 231.604	0.1427	ppb	0.2824	197.9	1.2872	0.14267
Pb 220.353	-1.1962	ppb	0.4344	36.3	0.5512	-1.19624
Sb 206.834	4.3631	ppb	3.8209	87.6	5.4566	4.36310
Se 196.026	-1.9190	ppb	6.8782	358.4	-0.7122	-1.91902
Sn 189.925	-1.5288	ppb	1.1758	76.9	-0.3421	-1.52880
Sr 216.596	-0.1939	ppb	0.7463	384.9	8.6848	-0.19387
Ti 334.941	0.0074	ppb	0.0209	282.2	-28.1978	0.00742
Tl 190.794	0.3159	ppb	1.4171	448.5	-0.0499	0.31594
V 292.401	0.0558	ppb	0.2594	465.1	-4.0941	0.05578
Zn 206.200	-0.7896	ppb	0.7889	99.9	1.5634	-0.78957

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-33-b (Samp) 3/28/2013, 8:43:18 AM Rack 4, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6444u	-1.5433u	-1.7684u
Al 308.215	124139	123313	123510
As 188.980	44.1550	37.1511	35.7674
B 249.678	20.5444	19.3546	19.0404
Ba 389.178	1069.26	1066.60	1068.68
Be 313.042	7.2095	7.1628	7.2008
Ca 370.602	167228	166429	166925
Cd 226.502	5.3554	5.1290	5.1854
Co 228.615	40.5091	39.9556	39.5207
Cr 267.716	248.355	246.710	247.333
Cu 324.754	193.644	193.683	196.111
Fe 271.441	114145	113760	114005
K 766.491	11480.4	11423.0	11460.9
Mg 279.078	17976.4	17902.2	17946.7
Mn 257.610	3654.85	3640.14	3648.47
Mo 202.032	5.0809	5.3973	5.0784
Na 330.237	1441.44	1564.28	1321.02
Ni 231.604	54.2421	53.9467	54.7682
Pb 220.353	1364.06	1364.51	1363.96
Sb 206.834	4.6470	11.1518	4.8709
Se 196.026	10.9395	-1.5111	-0.3103
Sn 189.925	58.1239	63.8363	62.8616
Sr 216.596	496.345	493.187	493.266
Ti 334.941	2102.31	2095.23	2099.21
Tl 190.794	16.9719	17.2438	7.5920u
V 292.401	203.531	202.829	203.184
Zn 206.200	1525.65	1529.58	1522.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3187	ppb	0.5947	45.1	-129.061
Al 308.215	123654	ppb	431.604	0.3	708217
As 188.980	39.0245	ppb	4.4967	11.5	23.4741
B 249.678	19.6465	ppb	0.7933	4.0	434.281
Ba 389.178	1068.18	ppb	1.4012	0.1	25756.4
Be 313.042	7.1910	ppb	0.0248	0.3	13806.7
Ca 370.602	166861	ppb	403.4	0.2	529706
Cd 226.502	5.2233	ppb	0.1178	2.3	463.488
Co 228.615	39.9951	ppb	0.4954	1.2	522.122
Cr 267.716	247.466	ppb	0.8304	0.3	10394.5
Cu 324.754	194.479	ppb	1.4132	0.7	9528.28
Fe 271.441	113970	ppb	194.963	0.2	191026
K 766.491	11454.8	ppb	29.1972	0.3	562412
Mg 279.078	17941.8	ppb	37.3326	0.2	36492.9
Mn 257.610	3647.82	ppb	7.3746	0.2	827645
Mo 202.032	5.1856	ppb	0.1834	3.5	43.3295
Na 330.237	1442.24	ppb	121.632	8.4	8.3188
Ni 231.604	54.3190	ppb	0.4161	0.8	131.517
Pb 220.353	1364.18	ppb	0.2930	0.0	2194.64
Sb 206.834	6.8899	ppb	3.6926	53.6	12.6941
Se 196.026	3.0394	ppb	6.8680	226.0	2.7050
Sn 189.925	61.6073	ppb	3.0558	5.0	47.4628
Sr 216.596	494.266	ppb	1.8011	0.4	4720.60
Ti 334.941	2098.92	ppb	3.5522	0.2	535352
Tl 190.794	13.9359	ppb	5.4956	39.4	1.6329
V 292.401	203.181	ppb	0.3512	0.2	5599.29
Zn 206.200	1525.87	ppb	3.6937	0.2	2318.55

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-34-b (Samp) 3/28/2013, 8:48:57 AM Rack 4, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7576u	-1.4747u	-0.9944u
Al 308.215	79493.6	80100.6	79778.9
As 188.980	15.4788	8.5816	8.7562
B 249.678	-26.4985u	-27.3447u	-27.3092u
Ba 389.178	148.368	149.063	148.314
Be 313.042	1.2250	1.2328	1.2315
Ca 370.602	3459u	3486u	3468u
Cd 226.502	-2.1991	-2.0968	-1.4729
Co 228.615	4.9692	4.2513	5.1517
Cr 267.716	155.823	156.120	155.485
Cu 324.754	60.6745	63.0249	61.5998
Fe 271.441	155600	156755	156029
K 766.491	2289.77	2311.35	2306.44
Mg 279.078	1339.05	1347.86	1342.40
Mn 257.610	400.704	403.356	401.375
Mo 202.032	4.6489	3.6423	2.9678
Na 330.237	261.234u	14.7874u	192.376u
Ni 231.604	17.0762	17.6971	16.6106
Pb 220.353	63.7589	59.4147	62.7767
Sb 206.834	-3.8241	1.7143	5.3938
Se 196.026	7.1239	7.7108	-7.9344u
Sn 189.925	18.8410	18.7691	19.2668
Sr 216.596	74.2950	73.5544	73.8705
Ti 334.941	1586.27	1596.87	1592.56
Tl 190.794	8.4162	0.5097u	1.8091u
V 292.401	417.839	422.172	419.847
Zn 206.200	68.9884	69.0605	66.1922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0755	ppb	0.3654	34.0	-106.449
Al 308.215	79791.0	ppb	303.683	0.4	457078
As 188.980	10.9389	ppb	3.9327	36.0	6.6407
B 249.678	-27.0508	ppb	0.4786	1.8	-31.9587
Ba 389.178	148.582	ppb	0.4180	0.3	3770.10
Be 313.042	1.2298	ppb	0.0042	0.3	2198.13
Ca 370.602	3471	ppb	13.74	0.4	-1366
Cd 226.502	-1.9229	ppb	0.3930	20.4	306.715
Co 228.615	4.7907	ppb	0.4760	9.9	104.759
Cr 267.716	155.809	ppb	0.3175	0.2	6556.36
Cu 324.754	61.7664	ppb	1.1840	1.9	3130.60
Fe 271.441	156128	ppb	583.816	0.4	261679
K 766.491	2302.52	ppb	11.3109	0.5	113230
Mg 279.078	1343.10	ppb	4.4433	0.3	2755.43
Mn 257.610	401.812	ppb	1.3785	0.3	91611.8
Mo 202.032	3.7530	ppb	0.8460	22.5	31.8342
Na 330.237	156.132	ppb	127.158	81.4	-54.8244
Ni 231.604	17.1280	ppb	0.5451	3.2	44.3780
Pb 220.353	61.9834	ppb	2.2782	3.7	100.028
Sb 206.834	1.0947	ppb	4.6401	423.9	7.1746
Se 196.026	2.3001	ppb	8.8682	385.6	1.7378
Sn 189.925	18.9589	ppb	0.2690	1.4	15.1488
Sr 216.596	73.9067	ppb	0.3716	0.5	762.488
Ti 334.941	1591.90	ppb	5.3294	0.3	405980
Tl 190.794	3.5783	ppb	4.2398	118.5	-3.4364
V 292.401	419.953	ppb	2.1683	0.5	11559.9
Zn 206.200	68.0803	ppb	1.6356	817.4	105.560

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680-88580-a-35-b (Samp) **3/28/2013, 8:54:26 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.3967u	-1.3648u	-2.5907u
Al 308.215	81512.3	81748.0	81376.7
As 188.980	24.7597	24.0083	25.6981
B 249.678	-29.5322u	-28.8561u	-28.9204u
Ba 389.178	177.943	179.106	176.636
Be 313.042	1.6714	1.6855	1.6529
Ca 370.602	3520u	3518u	3555u
Cd 226.502	-1.7311	-1.6753	-1.7605
Co 228.615	10.8180	11.2641	10.5092
Cr 267.716	138.353	138.347	136.820
Cu 324.754	54.1769	55.4812	52.7583
Fe 271.441	146791	147427	146579
K 766.491	2144.61	2153.94	2139.81
Mg 279.078	1199.38	1193.40	1185.02
Mn 257.610	1065.03	1067.64	1061.65
Mo 202.032	4.4642	4.0947	4.5299
Na 330.237	81.1727u	197.650u	338.496u
Ni 231.604	24.6723	24.7856	25.1176
Pb 220.353	68.3111	69.6553	67.9572
Sb 206.834	1.5302	3.3213	-1.7411
Se 196.026	-2.7718u	-0.3394	6.5925
Sn 189.925	16.4788	16.6155	18.5123
Sr 216.596	68.4207	68.1549	66.8678
Ti 334.941	1316.96	1319.41	1303.18
Tl 190.794	6.3293u	12.6969	11.5731
V 292.401	387.669	389.888	387.568
Zn 206.200	99.2302	95.4011	97.4050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7840	ppb	0.6988	39.2	-153.002
Al 308.215	81545.7	ppb	187.916	0.2	467125
As 188.980	24.8220	ppb	0.8466	3.4	14.2600
B 249.678	-29.1029	ppb	0.3731	1.3	-42.4072
Ba 389.178	177.895	ppb	1.2356	0.7	4457.62
Be 313.042	1.6699	ppb	0.0163	1.0	3051.42
Ca 370.602	3531	ppb	20.79	0.6	-451.0
Cd 226.502	-1.7223	ppb	0.0432	2.5	292.655
Co 228.615	10.8637	ppb	0.3795	3.5	167.293
Cr 267.716	137.840	ppb	0.8834	0.6	5805.62
Cu 324.754	54.1388	ppb	1.3618	2.5	2760.04
Fe 271.441	146932	ppb	440.972	0.3	246267
K 766.491	2146.12	ppb	7.1845	0.3	105554
Mg 279.078	1192.60	ppb	7.2108	0.6	2436.55
Mn 257.610	1064.77	ppb	3.0026	0.3	241917
Mo 202.032	4.3629	ppb	0.2346	5.4	36.2330
Na 330.237	205.773	ppb	128.854	62.6	-47.6846
Ni 231.604	24.8585	ppb	0.2314	0.9	62.4811
Pb 220.353	68.6412	ppb	0.8959	1.3	110.990
Sb 206.834	1.0368	ppb	2.5670	247.6	6.7447
Se 196.026	1.1604	ppb	4.8590	418.7	1.3424
Sn 189.925	17.2022	ppb	1.1366	6.6	13.8206
Sr 216.596	67.8145	ppb	0.8306	1.2	701.712
Ti 334.941	1313.18	ppb	8.7475	0.7	334897
Tl 190.794	10.1998	ppb	3.3987	33.3	0.5941
V 292.401	388.375	ppb	1.3113	0.3	10687.9
Zn 206.200	97.3454	ppb	1.9153	2.0	159.022

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680-88580-a-37-b (Samp) **3/28/2013, 8:59:54 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.6516u	-1.5558u	-1.8594u
Al 308.215	47799.3	47625.2	47870.8
As 188.980	28.1751	26.6993	22.6233
B 249.678	-14.5343u	-15.0130u	-14.2593u
Ba 389.178	1719.63	1714.64	1720.38
Be 313.042	4.2185	4.2153	4.2074
Ca 370.602	50530	50348	50406
Cd 226.502	1.2628	1.2049	1.4605
Co 228.615	35.1600	35.1836	35.7757
Cr 267.716	99.9911	98.6091	99.1702
Cu 324.754	909.064	889.128	889.342
Fe 271.441	58680.2	58595.8	58831.8
K 766.491	2843.26	2837.71	2842.80
Mg 279.078	13447.1	13428.4	13480.8
Mn 257.610	6486.57	6478.77	6514.07
Mo 202.032	3.8820	5.0299	3.6967
Na 330.237	409.856u	667.685	422.044u
Ni 231.604	42.0577	42.8036	42.2195
Pb 220.353	959.741	953.972	963.084
Sb 206.834	1.8955	0.2124	-0.6075
Se 196.026	2.5421	-3.7994u	0.4364
Sn 189.925	103.364	98.5721	102.396
Sr 216.596	213.802	212.086	212.327
Ti 334.941	993.356	987.295	988.267
Tl 190.794	20.4071	24.0330	25.5733
V 292.401	134.070	133.589	133.406
Zn 206.200	572.812	567.487	569.396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6889	ppb	0.1552	9.2	-131.068
Al 308.215	47765.1	ppb	126.305	0.3	273720
As 188.980	25.8326	ppb	2.8756	11.1	15.9466
B 249.678	-14.6022	ppb	0.3814	2.6	171.028
Ba 389.178	1718.22	ppb	3.1220	0.2	41217.0
Be 313.042	4.2138	ppb	0.0057	0.1	7997.64
Ca 370.602	50428	ppb	93.01	0.2	158303
Cd 226.502	1.3094	ppb	0.1340	10.2	195.976
Co 228.615	35.3731	ppb	0.3488	1.0	442.141
Cr 267.716	99.2568	ppb	0.6951	0.7	4196.18
Cu 324.754	895.845	ppb	11.4486	1.3	43376.2
Fe 271.441	58702.6	ppb	119.592	0.2	98395.1
K 766.491	2841.25	ppb	3.0792	0.1	139671
Mg 279.078	13452.1	ppb	26.5634	0.2	27316.7
Mn 257.610	6493.13	ppb	18.5429	0.3	1472663
Mo 202.032	4.2029	ppb	0.7222	17.2	39.5674
Na 330.237	499.862	ppb	145.467	29.1	-7.6645
Ni 231.604	42.3603	ppb	0.3924	0.9	102.192
Pb 220.353	958.933	ppb	4.6095	0.5	1545.19
Sb 206.834	0.5001	ppb	1.2761	255.1	3.9860
Se 196.026	-0.2736	ppb	3.2298	1180.4	1.6871
Sn 189.925	101.444	ppb	2.5338	2.5	77.5441
Sr 216.596	212.738	ppb	0.9290	0.4	2039.01
Ti 334.941	989.639	ppb	3.2554	0.3	252423
Tl 190.794	23.3378	ppb	2.6523	11.4	6.9382
V 292.401	133.688	ppb	0.3432	0.3	3680.20
Zn 206.200	569.899	ppb	2.6978	0.5	867.568

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680-88580-a-49-d (Samp) 3/28/2013, 9:05:22 AM Rack 4, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7799u	-1.9705u	-2.1696u
Al 308.215	73876.8	73948.2	73964.7
As 188.980	465.339	457.877	455.677
B 249.678	-16.8170u	-17.6269u	-17.6440u
Ba 389.178	987.661	987.818	991.083
Be 313.042	4.3643	4.3543	4.3575
Ca 370.602	27202	27162	27214
Cd 226.502	0.0422	0.0858	-0.0526
Co 228.615	39.8946	39.6069	39.8343
Cr 267.716	92.5742	92.4255	92.9816
Cu 324.754	282.966	284.182	282.576
Fe 271.441	118169	118414	118366
K 766.491	4228.93	4226.11	4202.15
Mg 279.078	3739.48	3737.37	3755.69
Mn 257.610	4419.51	4425.05	4431.56
Mo 202.032	10.9987	10.4310	10.1649
Na 330.237	543.901u	284.914u	452.167u
Ni 231.604	61.7951	61.5792	65.3248
Pb 220.353	1392.30	1384.26	1392.43
Sb 206.834	8.5918	8.3893	5.8703
Se 196.026	-5.8181u	9.2014	2.6871
Sn 189.925	322.666	324.978	316.786
Sr 216.596	359.201	358.759	359.786
Ti 334.941	1511.56	1505.51	1508.36
Tl 190.794	14.5875	19.9413	22.9478
V 292.401	207.717	207.916	206.968
Zn 206.200	481.583	485.118	485.096

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6400	ppb	0.7515	45.8	-142.206
Al 308.215	73929.9	ppb	46.7085	0.1	423525
As 188.980	459.631	ppb	5.0642	1.1	250.754
B 249.678	-17.3626	ppb	0.4726	2.7	91.2756
Ba 389.178	988.854	ppb	1.9323	0.2	23826.4
Be 313.042	4.3587	ppb	0.0051	0.1	8268.71
Ca 370.602	27192	ppb	27.04	0.1	78418
Cd 226.502	0.0251	ppb	0.0707	281.7	288.496
Co 228.615	39.7786	ppb	0.1518	0.4	503.457
Cr 267.716	92.6604	ppb	0.2879	0.3	3925.40
Cu 324.754	283.241	ppb	0.8376	0.3	13815.2
Fe 271.441	118316	ppb	129.856	0.1	198309
K 766.491	4219.06	ppb	14.7154	0.3	207292
Mg 279.078	3744.18	ppb	10.0265	0.3	7578.78
Mn 257.610	4425.37	ppb	6.0272	0.1	1003892
Mo 202.032	10.5315	ppb	0.4259	4.0	77.6399
Na 330.237	426.994	ppb	131.316	30.8	-32.3373
Ni 231.604	62.8997	ppb	2.1030	3.3	151.864
Pb 220.353	1389.66	ppb	4.6820	0.3	2236.99
Sb 206.834	7.6171	ppb	1.5162	19.9	11.9832
Se 196.026	2.0235	ppb	7.5317	372.2	2.4289
Sn 189.925	321.477	ppb	4.2238	1.3	243.923
Sr 216.596	359.249	ppb	0.5152	0.1	3437.79
Ti 334.941	1508.48	ppb	3.0248	0.2	384711
Tl 190.794	19.1589	ppb	4.2347	22.1	4.1805
V 292.401	207.534	ppb	0.5001	0.2	5718.49
Zn 206.200	483.932	ppb	2.0349	0.4	736.939

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680-88580-a-49-dSD^5 (Samp) 3/28/2013, 9:11:01 AM Rack 4, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8481u	-0.5644u	0.1890
Al 308.215	14967.0	15035.2	15063.9
As 188.980	92.6227	92.4246	93.1169
B 249.678	-30.3369u	-29.6124u	-30.0998u
Ba 389.178	207.019	208.002	208.602
Be 313.042	0.8627	0.8719	0.8705
Ca 370.602	5715	5740	5755
Cd 226.502	-0.1535	-0.0973	-0.1192
Co 228.615	7.8312	8.2929	9.2285
Cr 267.716	18.7661	19.2409	19.1310
Cu 324.754	57.7028	57.4753	59.1383
Fe 271.441	24793.5	24906.1	24855.9
K 766.491	846.341	847.699	846.412
Mg 279.078	791.205	801.059	799.013
Mn 257.610	947.591	951.836	952.229
Mo 202.032	1.4191	1.8351	1.7110
Na 330.237	315.821	172.496u	263.673
Ni 231.604	11.7574	12.8860	13.3148
Pb 220.353	284.857	290.545	292.531
Sb 206.834	3.5338	-0.9906u	1.0053
Se 196.026	-2.0012u	1.9517	1.1619
Sn 189.925	63.4045	67.9762	66.5162
Sr 216.596	75.3498	75.8433	75.7011
Ti 334.941	313.182	314.105	314.542
Tl 190.794	6.1418	4.0153	6.2335
V 292.401	43.8970	43.2960	44.4854
Zn 206.200	101.035	104.173	103.113

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4078	ppb	0.5360	131.4	-59.4554
Al 308.215	15022.1	ppb	49.7586	0.3	86251.6
As 188.980	92.7214	ppb	0.3566	0.4	52.2307
B 249.678	-30.0164	ppb	0.3694	1.2	60.7386
Ba 389.178	207.875	ppb	0.7992	0.4	4994.25
Be 313.042	0.8684	ppb	0.0050	0.6	1509.10
Ca 370.602	5737	ppb	20.09	0.4	16548
Cd 226.502	-0.1233	ppb	0.0283	23.0	66.3474
Co 228.615	8.4509	ppb	0.7119	8.4	117.552
Cr 267.716	19.0460	ppb	0.2485	1.3	814.584
Cu 324.754	58.1055	ppb	0.9017	1.6	2919.93
Fe 271.441	24851.9	ppb	56.4279	0.2	41656.1
K 766.491	846.817	ppb	0.7647	0.1	41786.2
Mg 279.078	797.092	ppb	5.2004	0.7	1630.62
Mn 257.610	950.552	ppb	2.5716	0.3	215687
Mo 202.032	1.6551	ppb	0.2135	12.9	24.7795
Na 330.237	250.663	ppb	72.5428	28.9	-1.6057
Ni 231.604	12.6527	ppb	0.8045	6.4	31.3276
Pb 220.353	289.311	ppb	3.9830	1.4	467.689
Sb 206.834	1.1828	ppb	2.2674	191.7	3.1355
Se 196.026	0.3708	ppb	2.0918	564.1	0.6225
Sn 189.925	65.9656	ppb	2.3350	3.5	50.6989
Sr 216.596	75.6314	ppb	0.2540	0.3	732.028
Ti 334.941	313.943	ppb	0.6944	0.2	80041.9
Tl 190.794	5.4635	ppb	1.2550	23.0	1.6028
V 292.401	43.8928	ppb	0.5947	1.4	1204.96
Zn 206.200	102.774	ppb	1.5961	1.6	158.681

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680-88580-a-49-dPDS (Samp) 3/28/2013, 9:16:30 AM Rack 4, Tube 9**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.1813	51.5756	51.0072
Al 308.215	74519.9	74541.2	74604.6
As 188.980	2714.58	2733.97	2727.21
B 249.678	1087.79	1098.94	1102.81
Ba 389.178	3092.54	3096.78	3096.56
Be 313.042	57.6868	57.7612	57.8263
Ca 370.602	31883	31918	31917
Cd 226.502	53.0715	53.4623	52.9890
Co 228.615	572.394	578.986	581.566
Cr 267.716	302.194	302.363	302.329
Cu 324.754	543.683	546.305	544.043
Fe 271.441	116472	116305	116371
K 766.491	10017.4	9630.35	9997.79
Mg 279.078	9063.04	9074.72	9059.32
Mn 257.610	4855.85	4856.17	4853.67
Mo 202.032	546.585	548.442	550.579
Na 330.237	5655.92	5716.79	5424.00
Ni 231.604	588.263	593.573	589.471
Pb 220.353	1872.44	1886.60	1869.69
Sb 206.834	532.858	526.769	531.909
Se 196.026	2136.78	2140.68	2133.25
Sn 189.925	1398.29	1401.45	1411.63
Sr 216.596	884.828	888.842	890.773
Ti 334.941	2483.08	2495.77	2493.14
Tl 190.794	2168.63	2189.59	2183.07
V 292.401	738.431	737.416	738.363
Zn 206.200	998.773	997.500	1001.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2547	ppb	0.2912	0.6	3537.38
Al 308.215	74555.2	ppb	44.0753	0.1	427167
As 188.980	2725.25	ppb	9.8435	0.4	1480.72
B 249.678	1096.52	ppb	7.8022	0.7	10294.9
Ba 389.178	3095.30	ppb	2.3863	0.1	74244.5
Be 313.042	57.7581	ppb	0.0698	0.1	111539
Ca 370.602	31906	ppb	19.83	0.1	93966
Cd 226.502	53.1743	ppb	0.2528	0.5	2176.74
Co 228.615	577.649	ppb	4.7298	0.8	6662.10
Cr 267.716	302.295	ppb	0.0894	0.0	12687.2
Cu 324.754	544.677	ppb	1.4211	0.3	26446.5
Fe 271.441	116383	ppb	83.8223	0.1	195156
K 766.491	9881.85	ppb	218.027	2.2	485216
Mg 279.078	9065.69	ppb	8.0368	0.1	18410.4
Mn 257.610	4855.23	ppb	1.3590	0.0	1101390
Mo 202.032	548.535	ppb	1.9986	0.4	3550.24
Na 330.237	5598.90	ppb	154.499	2.8	219.562
Ni 231.604	590.436	ppb	2.7836	0.5	1398.80
Pb 220.353	1876.25	ppb	9.0728	0.5	3018.51
Sb 206.834	530.512	ppb	3.2761	0.6	506.947
Se 196.026	2136.90	ppb	3.7180	0.2	981.004
Sn 189.925	1403.79	ppb	6.9673	0.5	1062.37
Sr 216.596	888.148	ppb	3.0331	0.3	8394.29
Ti 334.941	2490.66	ppb	6.6977	0.3	635221
Tl 190.794	2180.43	ppb	10.7297	0.5	1430.63
V 292.401	738.070	ppb	0.5676	0.1	20207.8
Zn 206.200	999.219	ppb	1.9793	0.2	1518.21

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680-88580-a-49-e ms (Samp) 3/28/2013, 9:21:58 AM Rack 4, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	16.0599	16.1400	14.8477
Al 308.215	79444.5	79651.2	79733.3
As 188.980	157.551	147.313	155.277
B 249.678	171.637	172.869	170.432
Ba 389.178	840.077	842.039	842.621
Be 313.042	52.1552	52.3030	52.4325
Ca 370.602	45120	45196	45280
Cd 226.502	47.8453	47.4277	47.4507
Co 228.615	83.5799	83.2777	83.6995
Cr 267.716	180.249	180.705	181.153
Cu 324.754	234.080	234.471	233.284
Fe 271.441	147275	147479	147436
K 766.491	8032.17	8036.04	8056.66
Mg 279.078	9086.53	9109.33	9140.52
Mn 257.610	4677.50	4682.48	4691.20
Mo 202.032	97.4937	97.4938	98.2981
Na 330.237	5045.46	4989.58	4922.71
Ni 231.604	140.204	138.849	146.214
Pb 220.353	1373.77	1376.76	1375.29
Sb 206.834	23.6598	18.0119	22.2525
Se 196.026	111.133	108.674	90.0238
Sn 189.925	220.548	224.813	228.614
Sr 216.596	366.063	367.416	371.094
Ti 334.941	1268.73	1272.44	1280.26
Tl 190.794	50.4296	56.9422	56.7832
V 292.401	338.060	338.286	340.117
Zn 206.200	384.844	383.073	387.616

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.6825	ppb	0.7241	4.6	1070.09
Al 308.215	79609.7	ppb	148.815	0.2	456053
As 188.980	153.380	ppb	5.3763	3.5	84.3357
B 249.678	171.646	ppb	1.2185	0.7	1795.55
Ba 389.178	841.579	ppb	1.3331	0.2	20360.8
Be 313.042	52.2969	ppb	0.1388	0.3	101060
Ca 370.602	45199	ppb	80.15	0.2	134074
Cd 226.502	47.5746	ppb	0.2347	0.5	2049.49
Co 228.615	83.5191	ppb	0.2174	0.3	993.864
Cr 267.716	180.702	ppb	0.4520	0.3	7611.19
Cu 324.754	233.945	ppb	0.6047	0.3	11444.6
Fe 271.441	147397	ppb	107.601	0.1	247056
K 766.491	8041.62	ppb	13.1676	0.2	394899
Mg 279.078	9112.13	ppb	27.1032	0.3	18511.6
Mn 257.610	4683.73	ppb	6.9307	0.1	1062584
Mo 202.032	97.7619	ppb	0.4644	0.5	639.276
Na 330.237	4985.92	ppb	61.4572	1.2	193.075
Ni 231.604	141.756	ppb	3.9202	2.8	338.812
Pb 220.353	1375.27	ppb	1.4940	0.1	2213.79
Sb 206.834	21.3081	ppb	2.9400	13.8	25.7434
Se 196.026	103.277	ppb	11.5433	11.2	48.9760
Sn 189.925	224.658	ppb	4.0350	1.8	170.716
Sr 216.596	368.191	ppb	2.6032	0.7	3530.25
Ti 334.941	1273.81	ppb	5.8883	0.5	324888
Tl 190.794	54.7183	ppb	3.7150	6.8	26.4371
V 292.401	338.821	ppb	1.1283	0.3	9303.31
Zn 206.200	385.178	ppb	2.2896	0.6	586.963

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-49-f msd (Samp) 3/28/2013, 9:27:26 AM Rack 4, Tube 11**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	17.0312	16.6119	16.3863
Al 308.215	86306.1	86188.6	86334.3
As 188.980	933.647	925.243	931.874
B 249.678	148.856	148.807	149.813
Ba 389.178	795.855	795.370	796.926
Be 313.042	53.3389	53.4078	53.4292
Ca 370.602	29665	29648	29687
Cd 226.502	48.0743	47.8223	47.9355
Co 228.615	80.7475	81.4134	81.8697
Cr 267.716	254.825	254.960	254.959
Cu 324.754	431.296	430.926	433.053
Fe 271.441	189644	189581	189498
K 766.491	8753.42	8752.23	8752.02
Mg 279.078	8634.06	8620.67	8637.04
Mn 257.610	3268.83	3267.44	3258.41
Mo 202.032	101.889	101.681	101.642
Na 330.237	4768.93	4875.49	5056.04
Ni 231.604	150.761	150.503	152.293
Pb 220.353	978.306	981.160	980.524
Sb 206.834	40.0340	31.0751	28.4897
Se 196.026	108.729	117.038	94.2170
Sn 189.925	259.457	254.864	255.403
Sr 216.596	347.930	350.111	347.845
Ti 334.941	1538.01	1544.37	1545.02
Tl 190.794	50.1363	40.5068	53.7015
V 292.401	488.324	487.943	488.462
Zn 206.200	612.560	610.463	609.916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.6765	ppb	0.3273	2.0	1135.06
Al 308.215	86276.3	ppb	77.2599	0.1	494221
As 188.980	930.254	ppb	4.4296	0.5	505.617
B 249.678	149.159	ppb	0.5672	0.4	1550.95
Ba 389.178	796.050	ppb	0.7966	0.1	19332.5
Be 313.042	53.3920	ppb	0.0472	0.1	103168
Ca 370.602	29667	ppb	19.57	0.1	80461
Cd 226.502	47.9440	ppb	0.1262	0.3	2160.74
Co 228.615	81.3435	ppb	0.5644	0.7	974.614
Cr 267.716	254.915	ppb	0.0777	0.0	10716.2
Cu 324.754	431.759	ppb	1.1361	0.3	21006.1
Fe 271.441	189574	ppb	73.3697	0.0	317747
K 766.491	8752.55	ppb	0.7550	0.0	429791
Mg 279.078	8630.59	ppb	8.7180	0.1	17558.2
Mn 257.610	3264.89	ppb	5.6577	0.2	740965
Mo 202.032	101.738	ppb	0.1327	0.1	662.805
Na 330.237	4900.15	ppb	145.136	3.0	172.456
Ni 231.604	151.186	ppb	0.9672	0.6	361.894
Pb 220.353	979.997	ppb	1.4980	0.2	1577.31
Sb 206.834	33.1996	ppb	6.0583	18.2	38.6696
Se 196.026	106.662	ppb	11.5504	10.8	50.3175
Sn 189.925	256.574	ppb	2.5106	1.0	194.844
Sr 216.596	348.629	ppb	1.2845	0.4	3359.45
Ti 334.941	1542.47	ppb	3.8728	0.3	393406
Tl 190.794	48.1148	ppb	6.8257	14.2	22.0631
V 292.401	488.243	ppb	0.2688	0.1	13412.0
Zn 206.200	610.980	ppb	1.3957	0.2	929.217

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680-88580-a-50-b (Samp) 3/28/2013, 9:32:54 AM Rack 4, Tube 12
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.5951u	-1.4564u	-1.9145u
Al 308.215	147164	147570	147632
As 188.980	51.6209	48.1680	46.8846
B 249.678	-27.5205u	-26.8296u	-28.2433u
Ba 389.178	229.905	230.903	233.399
Be 313.042	3.2682	3.2878	3.2842
Ca 370.602	10254	10266	10273
Cd 226.502	-2.6404	-2.6277	-2.5051
Co 228.615	13.7032	13.5274	14.1567
Cr 267.716	207.429	207.581	207.951
Cu 324.754	74.5862	76.0381	75.7320
Fe 271.441	206563	207450	207553
K 766.491	3884.40	3896.54	3910.33
Mg 279.078	2021.87	2032.39	2024.72
Mn 257.610	789.085	792.210	792.614
Mo 202.032	6.3704	6.4035	5.9193
Na 330.237	89.8361u	125.081u	378.235u
Ni 231.604	54.0288	52.8079	54.1664
Pb 220.353	115.745	111.656	118.568
Sb 206.834	5.2817	4.1149	-4.3655
Se 196.026	-3.4537u	-3.8685u	7.1064
Sn 189.925	16.4595	19.7779	20.0971
Sr 216.596	54.9393	56.3476	55.0257
Ti 334.941	1635.10	1645.01	1640.51
Tl 190.794	7.2709u	2.8697u	12.3204
V 292.401	437.972	440.374	439.720
Zn 206.200	156.213	157.579	156.930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9886	ppb	0.5730	28.8	-167.552
Al 308.215	147455	ppb	254.462	0.2	844488
As 188.980	48.8912	ppb	2.4496	5.0	26.8359
B 249.678	-27.5311	ppb	0.7069	2.6	-83.3110
Ba 389.178	231.402	ppb	1.7997	0.8	5828.97
Be 313.042	3.2801	ppb	0.0104	0.3	6174.08
Ca 370.602	10264	ppb	9.904	0.1	16341
Cd 226.502	-2.5911	ppb	0.0747	2.9	402.198
Co 228.615	13.7957	ppb	0.3247	2.4	207.290
Cr 267.716	207.653	ppb	0.2683	0.1	8736.22
Cu 324.754	75.4521	ppb	0.7653	1.0	3805.94
Fe 271.441	207189	ppb	544.049	0.3	347258
K 766.491	3897.09	ppb	12.9723	0.3	191490
Mg 279.078	2026.32	ppb	5.4397	0.3	4130.51
Mn 257.610	791.303	ppb	1.9315	0.2	180073
Mo 202.032	6.2311	ppb	0.2705	4.3	45.5060
Na 330.237	197.717	ppb	157.323	79.6	-68.9319
Ni 231.604	53.6677	ppb	0.7478	1.4	131.732
Pb 220.353	115.323	ppb	3.4753	3.0	184.703
Sb 206.834	1.6771	ppb	5.2654	314.0	9.3243
Se 196.026	-0.0719	ppb	6.2201	8647.7	0.8795
Sn 189.925	18.7781	ppb	2.0143	10.7	15.0136
Sr 216.596	55.4376	ppb	0.7893	1.4	606.955
Ti 334.941	1640.20	ppb	4.9645	0.3	418311
Tl 190.794	7.4870	ppb	4.7291	63.2	-2.9669
V 292.401	439.355	ppb	1.2418	0.3	12090.2
Zn 206.200	156.907	ppb	0.6828	0.4	240.217

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Cont Calib Verif (CCV) 3/28/2013, 9:38:21 AM Rack 4, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	496.479	501.453	504.092
Al 308.215	5003.98	4999.92	4978.50
As 188.980	463.004	467.214	476.358
B 249.678	2497.50	2528.52	2534.97
Ba 389.178	4929.54	4944.45	4917.58
Be 313.042	488.403	489.003	488.361
Ca 370.602	4929	4933	4917
Cd 226.502	494.737	494.747	492.409
Co 228.615	497.850	498.883	497.610
Cr 267.716	4876.08	4882.48	4861.94
Cu 324.754	4797.26	4920.10	4764.53
Fe 271.441	4974.32	4986.67	4965.05
K 766.491	10013.8	10052.0	10053.9
Mg 279.078	4930.37	4926.42	4912.17
Mn 257.610	4982.33	4993.10	4967.70
Mo 202.032	483.994	484.910	486.539
Na 330.237	7487.98	7469.93	7795.32
Ni 231.604	2460.72	2465.00	2464.25
Pb 220.353	495.231	488.068	484.747
Sb 206.834	908.462	916.910	916.871
Se 196.026	4843.60	4851.95	4811.07
Sn 189.925	5003.92	4982.94	4985.44
Sr 216.596	2434.34	2438.72	2427.41
Ti 334.941	491.457	492.575	491.245
Tl 190.794	4944.81	4932.48	4934.55
V 292.401	4931.19	4942.47	4923.18
Zn 206.200	2474.91	2484.66	2471.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.675	ppb	3.8655	0.8	34907.9	100.13490
Al 308.215	4994.13	ppb	13.6918	0.3	28814.2	99.88261
As 188.980	468.859	ppb	6.8274	1.5	256.499	93.77173
B 249.678	2520.33	ppb	20.0348	0.8	23437.8	100.81316
Ba 389.178	4930.53	ppb	13.4627	0.3	117992	98.61052
Be 313.042	488.589	ppb	0.3591	0.1	945431	97.71779
Ca 370.602	4926	ppb	8.263	0.2	15763	98.52582
Cd 226.502	493.964	ppb	1.3471	0.3	17608.9	98.79286
Co 228.615	498.115	ppb	0.6763	0.1	5719.27	99.62291
Cr 267.716	4873.50	ppb	10.5083	0.2	203719	97.46999
Cu 324.754	4827.30	ppb	82.0213	1.7	233144	96.54596
Fe 271.441	4975.35	ppb	10.8486	0.2	8461.78	99.50694
K 766.491	10039.9	ppb	22.6188	0.2	492973	100.39906
Mg 279.078	4922.98	ppb	9.5719	0.2	9971.23	98.45969
Mn 257.610	4981.04	ppb	12.7502	0.3	1129596	99.62085
Mo 202.032	485.148	ppb	1.2891	0.3	3138.94	97.02958
Na 330.237	7584.41	ppb	182.879	2.4	357.901	101.12547
Ni 231.604	2463.33	ppb	2.2828	0.1	5823.75	98.53300
Pb 220.353	489.349	ppb	5.3581	1.1	789.654	97.86971
Sb 206.834	914.081	ppb	4.8660	0.5	918.861	91.40810
Se 196.026	4835.54	ppb	21.5977	0.4	2217.60	96.71076
Sn 189.925	4990.77	ppb	11.4586	0.2	3774.84	99.81535
Sr 216.596	2433.49	ppb	5.7017	0.2	22881.4	97.33968
Ti 334.941	491.759	ppb	0.7147	0.1	125405	98.35186
Tl 190.794	4937.28	ppb	6.6059	0.1	3255.40	98.74561
V 292.401	4932.28	ppb	9.6914	0.2	135270	98.64561
Zn 206.200	2476.95	ppb	6.9207	0.3	3746.51	99.07781

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/28/2013, 9:43:49 AM Rack 4, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8944u	-0.6893u	-1.4008u
Al 308.215	2.1336	-1.9437u	1.2055
As 188.980	-2.3028u	-8.4130u	-10.0223u
B 249.678	33.0243	25.9110	23.4052
Ba 389.178	-1.3383u	-0.8165u	-0.5989u
Be 313.042	-0.0359u	-0.0351u	-0.0192u
Ca 370.602	6.184	4.147	-0.6953u
Cd 226.502	-0.1084u	-0.1769u	-0.1442u
Co 228.615	-0.0618u	-0.4613u	0.0604
Cr 267.716	0.0845	-0.3159u	-0.1884u
Cu 324.754	-0.4808u	-0.0375u	-0.4402u
Fe 271.441	0.8156	0.9569	2.8238
K 766.491	-0.8218u	0.3043	-0.7524u
Mg 279.078	4.4895	1.0838	-0.0750u
Mn 257.610	-0.1575u	-0.1842u	-0.1820u
Mo 202.032	-0.8266u	-0.0676u	-0.2643u
Na 330.237	82.6353	-141.040u	-29.3975u
Ni 231.604	1.7243	-1.0337u	1.4152
Pb 220.353	0.2064	-2.3696u	-1.0814u
Sb 206.834	4.6143	-2.5241u	5.4367
Se 196.026	-2.5872u	0.7463	-5.1473u
Sn 189.925	-0.5405u	-3.1540u	-6.8013u
Sr 216.596	-0.1135u	-0.2281u	-0.3739u
Ti 334.941	-0.0935u	-0.0688u	0.0231
Tl 190.794	0.2436	1.5728	-3.5580u
V 292.401	0.3213	0.0057	0.3187
Zn 206.200	-0.6481u	-0.9181u	-0.1142u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.9949	ppb	0.3662	36.8	-101.545	-0.99485
Al 308.215	0.4651	ppb	2.1371	459.5	246.329	0.46514
As 188.980	-6.9127	ppb	4.0726	58.9	-1.6820	-6.91269
B 249.678	27.4468	ppb	4.9900	18.2	609.775	27.44683
Ba 389.178	-0.9179	ppb	0.3800	41.4	-40.3358	-0.91790
Be 313.042	-0.0301	ppb	0.0094	31.3	-230.848	-0.03010
Ca 370.602	3.212	ppb	3.534	110.0	6.417	3.21191
Cd 226.502	-0.1432	ppb	0.0343	23.9	7.9093	-0.14316
Co 228.615	-0.1542	ppb	0.2728	176.9	11.9320	-0.15424
Cr 267.716	-0.1399	ppb	0.2046	146.2	3.5509	-0.13990
Cu 324.754	-0.3195	ppb	0.2451	76.7	92.3264	-0.31949
Fe 271.441	1.5321	ppb	1.1209	73.2	5.0320	1.53210
K 766.491	-0.4233	ppb	0.6311	149.1	204.499	-0.42330
Mg 279.078	1.8327	ppb	2.3727	129.5	25.5397	1.83275
Mn 257.610	-0.1746	ppb	0.0148	8.5	32.0972	-0.17456
Mo 202.032	-0.3862	ppb	0.3939	102.0	12.7851	-0.38617
Na 330.237	-29.2674	ppb	111.838	382.1	-5.2865	-29.26736
Ni 231.604	0.7019	ppb	1.5110	215.3	2.6091	0.70192
Pb 220.353	-1.0815	ppb	1.2880	119.1	0.7362	-1.08153
Sb 206.834	2.5089	ppb	4.3781	174.5	3.6887	2.50894
Se 196.026	-2.3294	ppb	2.9553	126.9	-0.9003	-2.32941
Sn 189.925	-3.4986	ppb	3.1446	89.9	-1.8317	-3.49857
Sr 216.596	-0.2385	ppb	0.1305	54.7	8.2499	-0.23852
Ti 334.941	-0.0464	ppb	0.0615	132.5	-41.9052	-0.04640
Tl 190.794	-0.5805	ppb	2.6629	458.7	-0.6416	-0.58053
V 292.401	0.2153	ppb	0.1815	84.3	0.3208	0.21527
Zn 206.200	-0.5602	ppb	0.4991	73.0	1.9111	-0.56015

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-51-b (Samp) 3/28/2013, 9:49:17 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0933u	-0.8376u	-1.4269u
Al 308.215	59545.6	59550.7	59583.9
As 188.980	6.9193	2.5603	9.6487
B 249.678	-11.2014u	-13.2570u	-12.8537u
Ba 389.178	71.9205	72.6516	71.4921
Be 313.042	0.8140	0.8080	0.8144
Ca 370.602	4037	4039	4052
Cd 226.502	-0.8508	-0.9163	-0.8817
Co 228.615	2.2745	2.5399	2.0095
Cr 267.716	86.5795	86.7206	86.4955
Cu 324.754	24.9263	25.9803	26.2542
Fe 271.441	84566.0	84851.6	84904.2
K 766.491	1190.58	1201.08	1203.43
Mg 279.078	920.534	919.702	916.745
Mn 257.610	65.1003	65.2119	65.1961
Mo 202.032	0.5443u	1.5058	1.7428
Na 330.237	341.987u	6.1569u	348.903u
Ni 231.604	14.7180	12.9636	11.2141
Pb 220.353	37.9659	32.2805	39.8873
Sb 206.834	-0.3307	1.5851	0.2335
Se 196.026	0.2362	-0.8145u	5.0304
Sn 189.925	12.7989	11.7144	16.4221
Sr 216.596	17.0361	17.3473	17.1485
Ti 334.941	745.168	746.661	748.101
Tl 190.794	6.8926	3.1445u	0.2098u
V 292.401	200.261	200.601	200.711
Zn 206.200	33.3701	36.0525	35.9121

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1193	ppb	0.2955	26.4	-109.625
Al 308.215	59560.1	ppb	20.7891	0.0	341250
As 188.980	6.3761	ppb	3.5753	56.1	4.8049
B 249.678	-12.4374	ppb	1.0892	8.8	166.989
Ba 389.178	72.0214	ppb	0.5863	0.8	1832.13
Be 313.042	0.8121	ppb	0.0036	0.4	1397.66
Ca 370.602	4042	ppb	8.275	0.2	6189
Cd 226.502	-0.8829	ppb	0.0327	3.7	178.379
Co 228.615	2.2746	ppb	0.2652	11.7	56.3898
Cr 267.716	86.5985	ppb	0.1137	0.1	3647.38
Cu 324.754	25.7203	ppb	0.7011	2.7	1371.92
Fe 271.441	84773.9	ppb	182.018	0.2	142086
K 766.491	1198.36	ppb	6.8408	0.6	59039.5
Mg 279.078	918.993	ppb	1.9914	0.2	1890.23
Mn 257.610	65.1694	ppb	0.0604	0.1	15082.2
Mo 202.032	1.2643	ppb	0.6347	50.2	19.3176
Na 330.237	232.349	ppb	195.919	84.3	-23.1154
Ni 231.604	12.9653	ppb	1.7520	13.5	33.2006
Pb 220.353	36.7112	ppb	3.9556	10.8	60.1051
Sb 206.834	0.4960	ppb	0.9845	198.5	4.4220
Se 196.026	1.4841	ppb	3.1158	210.0	1.0930
Sn 189.925	13.6451	ppb	2.4653	18.1	11.1322
Sr 216.596	17.1773	ppb	0.1576	0.9	202.827
Ti 334.941	746.643	ppb	1.4666	0.2	190403
Tl 190.794	3.4156	ppb	3.3497	98.1	-0.8757
V 292.401	200.524	ppb	0.2343	0.1	5515.76
Zn 206.200	35.1116	ppb	1.5098	4.3	55.7751

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88632-b-10-d (Samp) 3/28/2013, 9:54:45 AM Rack 4, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.2435	2.9499	2.9978
Al 308.215	100818	100593	100767
As 188.980	462.361	464.837	468.148
B 249.678	44.5318	44.3973	45.9165
Ba 389.178	3635.07	3636.81	3637.80
Be 313.042	12.0049	12.0194	11.9807
Ca 370.602	135937	135796	135341
Cd 226.502	12.6224	12.4099	12.5944
Co 228.615	99.2511	100.718	100.490
Cr 267.716	320.286	320.361	318.665
Cu 324.754	819.913	827.805	817.205
Fe 271.441	313102	312711	312891
K 766.491	13594.0	13584.8	13619.6
Mg 279.078	34390.1	34400.1	34390.1
Mn 257.610	7910.06	7889.46	7895.89
Mo 202.032	46.0499	46.8923	47.4856
Na 330.237	2617.54u	2735.73u	2688.78u
Ni 231.604	191.774	192.554	194.195
Pb 220.353	27677.5x	27628.0x	27575.7x
Sb 206.834	17.5212	18.0504	15.4573
Se 196.026	-3.1014	0.8146	0.7664
Sn 189.925	1051.86	1054.40	1057.86
Sr 216.596	1079.93	1075.35	1071.14
Ti 334.941	2128.42	2133.12	2120.56
Tl 190.794	28.3407	30.5537	23.9658u
V 292.401	384.250	383.306	384.152
Zn 206.200	5486.05	5466.73	5480.21

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.7304b	ppb	0.4223	15.5	147.154
Al 308.215	100726b	ppb	118.218	0.1	576946
As 188.980	465.115b	ppb	2.9039	0.6	252.785
B 249.678	44.9485b	ppb	0.8410	1.9	483.848
Ba 389.178	3636.56b	ppb	1.3813	0.0	87548.6
Be 313.042	12.0017b	ppb	0.0196	0.2	23080.0
Ca 370.602	135692b	ppb	311.3	0.2	412764
Cd 226.502	12.5422b	ppb	0.1155	0.9	1187.33
Co 228.615	100.153b	ppb	0.7893	0.8	1202.23
Cr 267.716	319.771b	ppb	0.9581	0.3	13472.4
Cu 324.754	821.641b	ppb	5.5072	0.7	39865.0
Fe 271.441	312901b	ppb	195.543	0.1	524446
K 766.491	13599.5b	ppb	18.0168	0.1	667672
Mg 279.078	34393.5b	ppb	5.7746	0.0	69977.0
Mn 257.610	7898.47b	ppb	10.5392	0.1	1792132
Mo 202.032	46.8093b	ppb	0.7214	1.5	302.853
Na 330.237	2680.68b	ppb	59.5059	2.2	-17.0813
Ni 231.604	192.841b	ppb	1.2359	0.6	462.669
Pb 220.353	27627.1xb	ppb	50.9101	0.2	44448.0
Sb 206.834	17.0097b	ppb	1.3701	8.1	27.0856
Se 196.026	-0.5068b	ppb	2.2471	443.4	2.5939
Sn 189.925	1054.71b	ppb	3.0118	0.3	798.429
Sr 216.596	1075.47b	ppb	4.3934	0.4	10260.3
Ti 334.941	2127.37b	ppb	6.3442	0.3	542695
Tl 190.794	27.6201b	ppb	3.3525	12.1	-0.1340
V 292.401	383.902b	ppb	0.5193	0.1	10558.4
Zn 206.200	5477.67b	ppb	9.9119	0.2	8314.19

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88632-b-10-e ms (Samp) **3/28/2013, 10:00:13 AM** **Rack 4, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	15.2620	15.3915	15.2824
Al 308.215	82608.6	82543.0	82816.6
As 188.980	302.229	301.704	313.994
B 249.678	174.428	178.166	180.980
Ba 389.178	2864.30	2859.96	2869.77
Be 313.042	46.8905	46.6841	46.8346
Ca 370.602	144776	143775	144229
Cd 226.502	46.8215	47.0353	47.1179
Co 228.615	116.643	117.413	118.012
Cr 267.716	344.241	342.416	343.588
Cu 324.754	750.401	733.175	738.972
Fe 271.441	266947	266467	267303
K 766.491	14645.3	14662.9	14684.3
Mg 279.078	52352.6	52143.9	52292.2
Mn 257.610	7123.16	7101.26	7122.06
Mo 202.032	92.5791	91.4504	92.6859
Na 330.237	5586.37	5960.53	5833.38
Ni 231.604	231.108	228.665	230.397
Pb 220.353	3506.28	3461.00	3485.24
Sb 206.834	32.2635	23.2102	26.4088
Se 196.026	74.3042	74.8495	64.0303
Sn 189.925	259.765	255.113	253.354
Sr 216.596	888.351	885.057	885.545
Ti 334.941	1620.57	1610.73	1612.67
Tl 190.794	56.1761	57.5774	48.8972
V 292.401	354.057	352.755	353.066
Zn 206.200	4497.21	4466.01	4496.43

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.3120	ppb	0.0697	0.5	1030.86
Al 308.215	82656.0	ppb	142.821	0.2	473494
As 188.980	305.976	ppb	6.9490	2.3	166.854
B 249.678	177.858	ppb	3.2870	1.8	1743.39
Ba 389.178	2864.68	ppb	4.9163	0.2	69060.3
Be 313.042	46.8031	ppb	0.1067	0.2	90454.0
Ca 370.602	144260	ppb	501.1	0.3	444118
Cd 226.502	46.9916	ppb	0.1530	0.3	2306.30
Co 228.615	117.356	ppb	0.6859	0.6	1386.59
Cr 267.716	343.415	ppb	0.9244	0.3	14447.4
Cu 324.754	740.849	ppb	8.7650	1.2	35952.6
Fe 271.441	266906	ppb	419.083	0.2	447359
K 766.491	14664.1	ppb	19.5280	0.1	719925
Mg 279.078	52262.9	ppb	107.423	0.2	106382
Mn 257.610	7115.50	ppb	12.3369	0.2	1614561
Mo 202.032	92.2385	ppb	0.6846	0.7	598.263
Na 330.237	5793.43	ppb	190.251	3.3	165.834
Ni 231.604	230.056	ppb	1.2565	0.5	549.767
Pb 220.353	3484.17	ppb	22.6609	0.7	5606.89
Sb 206.834	27.2942	ppb	4.5911	16.8	35.6420
Se 196.026	71.0613	ppb	6.0952	8.6	35.0910
Sn 189.925	256.077	ppb	3.3124	1.3	194.511
Sr 216.596	886.318	ppb	1.7777	0.2	8460.81
Ti 334.941	1614.66	ppb	5.2079	0.3	412005
Tl 190.794	54.2169	ppb	4.6600	8.6	19.7276
V 292.401	353.293	ppb	0.6802	0.2	9698.15
Zn 206.200	4486.55	ppb	17.7938	0.4	6810.36

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680-88632-b-10-f msd (Samp) 3/28/2013, 10:05:41 AM Rack 4, Tube 18**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	18.9447	19.1149	19.7860
Al 308.215	90400.2	90312.2	90463.4
As 188.980	347.038	350.596	341.947
B 249.678	191.829	197.792	197.793
Ba 389.178	2944.32	2941.81	2942.36
Be 313.042	51.8852	51.7830	51.8710
Ca 370.602	126603	126383	126405
Cd 226.502	52.9833	53.2561	53.1990
Co 228.615	131.863	132.831	133.019
Cr 267.716	461.271	459.931	460.696
Cu 324.754	782.043	784.263	786.158
Fe 271.441	303956	304298	304101
K 766.491	15515.0	15544.6	15479.2
Mg 279.078	41115.5	41003.1	41039.4
Mn 257.610	7692.38	7683.16	7701.59
Mo 202.032	105.968	105.692	106.078
Na 330.237	6185.55	6344.58	6282.10
Ni 231.604	254.982	251.568	247.051
Pb 220.353	2088.91	2079.78	2089.10
Sb 206.834	20.1417	36.2173	29.0318
Se 196.026	92.0627	87.5787	75.8985
Sn 189.925	282.670	275.558	277.626
Sr 216.596	958.764	952.726	955.603
Ti 334.941	1770.24	1755.61	1753.48
Tl 190.794	61.5163	62.3311	59.7894
V 292.401	392.884	394.347	392.654
Zn 206.200	4684.80	4672.11	4679.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.2819	ppb	0.4448	2.3	1308.14
Al 308.215	90391.9	ppb	75.9397	0.1	517787
As 188.980	346.527	ppb	4.3471	1.3	188.402
B 249.678	195.804	ppb	3.4429	1.8	1873.74
Ba 389.178	2942.83	ppb	1.3187	0.0	70954.6
Be 313.042	51.8464	ppb	0.0554	0.1	100208
Ca 370.602	126464	ppb	121.5	0.1	383643
Cd 226.502	53.1461	ppb	0.1438	0.3	2611.65
Co 228.615	132.571	ppb	0.6200	0.5	1563.00
Cr 267.716	460.633	ppb	0.6721	0.1	19357.4
Cu 324.754	784.155	ppb	2.0598	0.3	38054.1
Fe 271.441	304118	ppb	171.693	0.1	509731
K 766.491	15512.9	ppb	32.7583	0.2	761583
Mg 279.078	41052.7	ppb	57.4030	0.1	83544.9
Mn 257.610	7692.38	ppb	9.2158	0.1	1745412
Mo 202.032	105.913	ppb	0.1988	0.2	684.818
Na 330.237	6270.74	ppb	80.1192	1.3	176.511
Ni 231.604	251.200	ppb	3.9783	1.6	600.445
Pb 220.353	2085.93	ppb	5.3254	0.3	3357.26
Sb 206.834	28.4636	ppb	8.0528	28.3	38.5505
Se 196.026	85.1799	ppb	8.3448	9.8	41.7951
Sn 189.925	278.618	ppb	3.6582	1.3	211.549
Sr 216.596	955.697	ppb	3.0204	0.3	9125.34
Ti 334.941	1759.78	ppb	9.1218	0.5	448973
Tl 190.794	61.2123	ppb	1.2978	2.1	22.5402
V 292.401	393.295	ppb	0.9181	0.2	10790.6
Zn 206.200	4678.67	ppb	6.3578	0.1	7191.36

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680-88632-b-23-b (Samp) 3/28/2013, 10:11:09 AM Rack 4, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	18.0694	18.5990	17.0754
Al 308.215	96605.2	96358.1	96652.6
As 188.980	181.655	185.412	187.593
B 249.678	-10.6706u	-10.2821u	-10.1772u
Ba 389.178	1530.14	1523.39	1527.88
Be 313.042	11.6171	11.5878	11.6056
Ca 370.602	236817	235131	236140
Cd 226.502	46.6755	46.6396	46.8433
Co 228.615	77.2516	78.4127	78.0701
Cr 267.716	310.610	309.649	311.343
Cu 324.754	10404.8	10194.6	10324.6
Fe 271.441	394143	393400	395203
K 766.491	9117.88	9080.84	9052.10
Mg 279.078	41426.6	41245.1	41414.4
Mn 257.610	10067.6	10042.5	10089.7
Mo 202.032	11.9572	10.5265	11.7706
Na 330.237	3142.57u	3032.85u	2932.87u
Ni 231.604	142.661	138.687	137.846
Pb 220.353	5201.02	5173.57	5218.98
Sb 206.834	5.5703	10.5485	5.9487
Se 196.026	6.5797	4.4611	11.4386
Sn 189.925	131.506	131.735	132.836
Sr 216.596	403.135	399.827	402.312
Ti 334.941	1668.13	1658.14	1666.49
Tl 190.794	50.7760	63.3176	51.6031
V 292.401	307.329	307.330	307.628
Zn 206.200	23156.5	23079.3	23202.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.9146	ppb	0.7735	4.3	1245.43
Al 308.215	96538.6	ppb	158.126	0.2	552969
As 188.980	184.887	ppb	3.0038	1.6	100.669
B 249.678	-10.3766	ppb	0.2600	2.5	-97.1093
Ba 389.178	1527.14	ppb	3.4357	0.2	37212.6
Be 313.042	11.6035	ppb	0.0148	0.1	22360.3
Ca 370.602	236029	ppb	848.3	0.4	729914
Cd 226.502	46.7194	ppb	0.1087	0.2	2592.23
Co 228.615	77.9114	ppb	0.5966	0.8	935.136
Cr 267.716	310.534	ppb	0.8498	0.3	13110.3
Cu 324.754	10308.0	ppb	106.065	1.0	497905
Fe 271.441	394249	ppb	906.166	0.2	660781
K 766.491	9083.61	ppb	32.9764	0.4	446039
Mg 279.078	41362.0	ppb	101.446	0.2	84152.3
Mn 257.610	10066.6	ppb	23.6153	0.2	2284024
Mo 202.032	11.4181	ppb	0.7778	6.8	70.8654
Na 330.237	3036.10	ppb	104.892	3.5	-149.723
Ni 231.604	139.731	ppb	2.5721	1.8	338.662
Pb 220.353	5197.86	ppb	22.8727	0.4	8364.36
Sb 206.834	7.3558	ppb	2.7714	37.7	19.8275
Se 196.026	7.4931	ppb	3.5773	47.7	6.9772
Sn 189.925	132.026	ppb	0.7112	0.5	100.733
Sr 216.596	401.758	ppb	1.7222	0.4	3954.55
Ti 334.941	1664.26	ppb	5.3582	0.3	424623
Tl 190.794	55.2322	ppb	7.0143	12.7	13.2211
V 292.401	307.429	ppb	0.1726	0.1	8455.35
Zn 206.200	23145.9	ppb	62.0832	0.3	35123.6

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680-88632-b-29-b (Samp) 3/28/2013, 10:16:36 AM Rack 4, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.0271	0.1593	0.7445
Al 308.215	66107.9	66613.3	66275.2
As 188.980	237.821	228.698	240.852
B 249.678	-15.0878u	-14.2453u	-12.7746u
Ba 389.178	1450.31	1463.92	1454.24
Be 313.042	10.0849	10.1662	10.1031
Ca 370.602	41150	41383	41265
Cd 226.502	5.0017	5.5314	5.0729
Co 228.615	92.0275	93.3706	92.5668
Cr 267.716	248.644	250.118	250.463
Cu 324.754	485.970	489.122	488.973
Fe 271.441	237814	240064	238251
K 766.491	10053.0	10095.0	10004.0
Mg 279.078	14162.6	14278.9	14147.9
Mn 257.610	2929.39	2950.20	2935.59
Mo 202.032	10.0427	10.3879	10.8335
Na 330.237	1235.83u	1076.47u	1214.81u
Ni 231.604	180.211	185.890	183.007
Pb 220.353	923.892	925.990	928.109
Sb 206.834	7.0041	9.8939	-1.2528
Se 196.026	13.0866	1.8806	0.1510
Sn 189.925	81.0435	84.2040	77.1647
Sr 216.596	387.998	389.764	389.335
Ti 334.941	868.386	870.937	869.282
Tl 190.794	5.0239u	14.9719u	5.3028u
V 292.401	237.945	239.747	237.866
Zn 206.200	2236.36	2263.85	2246.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6436	ppb	0.4426	68.8	9.2802
Al 308.215	66332.1	ppb	257.436	0.4	380024
As 188.980	235.790	ppb	6.3265	2.7	128.256
B 249.678	-14.0359	ppb	1.1708	8.3	11.6555
Ba 389.178	1456.15	ppb	7.0053	0.5	35212.7
Be 313.042	10.1181	ppb	0.0427	0.4	19419.0
Ca 370.602	41266	ppb	116.3	0.3	113738
Cd 226.502	5.2020	ppb	0.2875	5.5	752.529
Co 228.615	92.6550	ppb	0.6759	0.7	1088.29
Cr 267.716	249.742	ppb	0.9665	0.4	10509.8
Cu 324.754	488.022	ppb	1.7783	0.4	23736.5
Fe 271.441	238710	ppb	1192.86	0.5	400098
K 766.491	10050.7	ppb	45.5348	0.5	493503
Mg 279.078	14196.5	ppb	71.7514	0.5	28914.0
Mn 257.610	2938.39	ppb	10.6800	0.4	667091
Mo 202.032	10.4214	ppb	0.3964	3.8	71.4985
Na 330.237	1175.70	ppb	86.5810	7.4	-38.0790
Ni 231.604	183.036	ppb	2.8397	1.6	438.087
Pb 220.353	925.997	ppb	2.1081	0.2	1491.18
Sb 206.834	5.2151	ppb	5.7847	110.9	13.7975
Se 196.026	5.0394	ppb	7.0225	139.4	3.7984
Sn 189.925	80.8041	ppb	3.5257	4.4	61.9291
Sr 216.596	389.032	ppb	0.9207	0.2	3760.93
Ti 334.941	869.535	ppb	1.2943	0.1	221815
Tl 190.794	8.4328	ppb	5.6647	67.2	-5.5210
V 292.401	238.519	ppb	1.0644	0.4	6550.99
Zn 206.200	2248.87	ppb	13.9122	0.6	2414.53

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680-88632-b-34-b (Samp) 3/28/2013, 10:22:04 AM Rack 4, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	7.9240	7.6263	8.5825
Al 308.215	42035.8	42121.9	42068.0
As 188.980	2824.35	2831.20	2830.51
B 249.678	-137.940u	-140.039u	-140.051u
Ba 389.178	1904.03	1903.99	1898.62
Be 313.042	3.8788	3.8793	3.8941
Ca 370.602	81058	80742	80798
Cd 226.502	102.182	103.502	101.517
Co 228.615	398.423	394.766	400.963
Cr 267.716	1019.22	1022.09	1023.89
Cu 324.754	7039.80	7033.48	7021.43
Fe 271.441	2414274x	2414923x	2408488x
K 766.491	4260.20	4244.89	4230.03
Mg 279.078	20509.8	20542.1	20547.0
Mn 257.610	19061.6	19108.8	19058.4
Mo 202.032	204.843	204.385	208.313
Na 330.237	285.771u	441.014u	97.7949u
Ni 231.604	788.856	792.384	799.906
Pb 220.353	2690.82	2694.12	2704.40
Sb 206.834	22.5642	23.8493	23.8533
Se 196.026	23.4241	21.5675	27.9643
Sn 189.925	340.740	337.841	333.883
Sr 216.596	257.162	258.636	260.305
Ti 334.941	653.734	655.626	656.674
Tl 190.794	59.0909u	68.3100u	63.8362u
V 292.401	235.030	236.147	235.053
Zn 206.200	30197.7x	30252.4x	30315.6x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.0443b	ppb	0.4893	6.1	592.224
Al 308.215	42075.2b	ppb	43.4656	0.1	241166
As 188.980	2828.69b	ppb	3.7726	0.1	1516.72
B 249.678	-139.343b	ppb	1.2158	0.9	-3126.36
Ba 389.178	1902.22b	ppb	3.1114	0.2	49096.0
Be 313.042	3.8840b	ppb	0.0087	0.2	7287.95
Ca 370.602	80866b	ppb	168.8	0.2	62178
Cd 226.502	102.400b	ppb	1.0106	1.0	9267.73
Co 228.615	398.051b	ppb	3.1154	0.8	4497.80
Cr 267.716	1021.73b	ppb	2.3545	0.2	43289.1
Cu 324.754	7031.57b	ppb	9.3324	0.1	340298
Fe 271.441	2412562xb	ppb	3542.61	0.1	4043535
K 766.491	4245.04b	ppb	15.0865	0.4	208567
Mg 279.078	20533.0b	ppb	20.2182	0.1	41958.4
Mn 257.610	19076.3b	ppb	28.1920	0.1	4332345
Mo 202.032	205.847b	ppb	2.1476	1.0	1235.96
Na 330.237	274.861b	ppb	171.869	62.5	-933.084
Ni 231.604	793.715b	ppb	5.6438	0.7	1922.28
Pb 220.353	2696.45b	ppb	7.0816	0.3	4343.10
Sb 206.834	23.4222b	ppb	0.7431	3.2	83.4371
Se 196.026	24.3186b	ppb	3.2909	13.5	22.2486
Sn 189.925	337.488b	ppb	3.4423	1.0	256.000
Sr 216.596	258.701b	ppb	1.5725	0.6	3302.09
Ti 334.941	655.345b	ppb	1.4903	0.2	167442
Tl 190.794	63.7457b	ppb	4.6102	7.2	-58.4271
V 292.401	235.410b	ppb	0.6382	0.3	6377.03
Zn 206.200	30255.2xb	ppb	58.9648	0.2	45906.5

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88632-a-41-b (Samp) 3/28/2013, 10:27:32 AM Rack 4, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.3964	1.3140	0.8989
Al 308.215	78892.7	78939.4	78962.4
As 188.980	330.530	327.600	339.077
B 249.678	-17.4932u	-17.6110u	-18.2039u
Ba 389.178	1854.92	1851.91	1852.65
Be 313.042	10.8690	10.8966	10.9103
Ca 370.602	44918	44938	45018
Cd 226.502	6.8738	6.3920	6.1666
Co 228.615	101.056	102.415	103.735
Cr 267.716	292.942	293.849	295.312
Cu 324.754	589.261	593.698	592.146
Fe 271.441	327519	330946	325137
K 766.491	10666.6	10625.7	10622.2
Mg 279.078	15121.7	15162.9	15186.7
Mn 257.610	3967.96	3991.06	3995.58
Mo 202.032	14.0097	13.2436	14.4736
Na 330.237	1405.50u	1407.11u	1443.37u
Ni 231.604	201.575	201.584	198.007
Pb 220.353	1269.69	1274.87	1257.16
Sb 206.834	4.6212	5.5981	6.5303
Se 196.026	10.5801	8.8209	1.5560
Sn 189.925	175.184	179.274	181.736
Sr 216.596	455.546	457.705	460.046
Ti 334.941	1123.05	1125.70	1129.57
Tl 190.794	20.8302u	12.4123u	19.3957u
V 292.401	338.692	338.587	338.803
Zn 206.200	2701.59	2720.83	2720.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2031	ppb	0.2666	22.2	50.4240
Al 308.215	78931.5	ppb	35.5032	0.0	452159
As 188.980	332.402	ppb	5.9634	1.8	179.930
B 249.678	-17.7694	ppb	0.3809	2.1	-104.639
Ba 389.178	1853.16	ppb	1.5667	0.1	44846.5
Be 313.042	10.8920	ppb	0.0210	0.2	20913.3
Ca 370.602	44958	ppb	53.14	0.1	118316
Cd 226.502	6.4775	ppb	0.3613	5.6	1006.47
Co 228.615	102.402	ppb	1.3398	1.3	1203.19
Cr 267.716	294.034	ppb	1.1955	0.4	12383.5
Cu 324.754	591.702	ppb	2.2517	0.4	28767.1
Fe 271.441	327867	ppb	2919.94	0.9	549529
K 766.491	10638.2	ppb	24.7103	0.2	522336
Mg 279.078	15157.1	ppb	32.9352	0.2	30866.5
Mn 257.610	3984.87	ppb	14.8137	0.4	904633
Mo 202.032	13.9090	ppb	0.6212	4.5	89.8350
Na 330.237	1418.66	ppb	21.4105	1.5	-57.6764
Ni 231.604	200.389	ppb	2.0626	1.0	480.788
Pb 220.353	1267.24	ppb	9.1059	0.7	2040.04
Sb 206.834	5.5832	ppb	0.9546	17.1	16.5022
Se 196.026	6.9857	ppb	4.7838	68.5	5.1742
Sn 189.925	178.731	ppb	3.3094	1.9	135.981
Sr 216.596	457.766	ppb	2.2502	0.5	4440.52
Ti 334.941	1126.10	ppb	3.2823	0.3	287262
Tl 190.794	17.5461	ppb	4.5035	25.7	-3.5286
V 292.401	338.694	ppb	0.1081	0.0	9307.09
Zn 206.200	2714.32	ppb	11.0279	0.4	4120.63

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88632-a-42-b (Samp) 3/28/2013, 10:33:00 AM Rack 4, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.6374	3.6517	2.6270
Al 308.215	42893.7	42956.6	42959.3
As 188.980	2272.26	2290.60	2280.63
B 249.678	-106.180u	-104.832u	-108.938u
Ba 389.178	2004.46	2006.28	2004.69
Be 313.042	6.6611	6.6713	6.6850
Ca 370.602	70297	70177	70011
Cd 226.502	93.6626	94.3125	93.1266
Co 228.615	331.420	331.390	326.364
Cr 267.716	896.371	898.597	902.009
Cu 324.754	3811.46	3865.91	3816.54
Fe 271.441	1875445x	1874391x	1877592x
K 766.491	4199.32	4198.29	4187.17
Mg 279.078	12991.7	12999.4	13048.0
Mn 257.610	16784.1	16824.3	16842.3
Mo 202.032	163.866	162.895	163.554
Na 330.237	-191.614u	233.036u	-26.0156u
Ni 231.604	515.367	525.759	525.075
Pb 220.353	3621.76	3627.73	3657.39
Sb 206.834	36.4883	34.8790	19.2394
Se 196.026	0.7192	13.1376	15.3192
Sn 189.925	464.287	452.863	455.931
Sr 216.596	248.588	254.193	256.226
Ti 334.941	729.764	730.675	732.833
Tl 190.794	50.0752u	55.7483u	66.6043u
V 292.401	244.187	244.496	244.417
Zn 206.200	14919.8	14952.9	14952.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.6387b	ppb	1.0053	27.6	277.214
Al 308.215	42936.5b	ppb	37.1349	0.1	246092
As 188.980	2281.16b	ppb	9.1832	0.4	1224.22
B 249.678	-106.650b	ppb	2.0928	2.0	-2334.75
Ba 389.178	2005.15b	ppb	0.9915	0.0	50749.0
Be 313.042	6.6725b	ppb	0.0120	0.2	12697.8
Ca 370.602	70162b	ppb	143.7	0.2	72038
Cd 226.502	93.7006b	ppb	0.5939	0.6	7707.90
Co 228.615	329.725b	ppb	2.9104	0.9	3737.43
Cr 267.716	898.992b	ppb	2.8394	0.3	38039.3
Cu 324.754	3831.30b	ppb	30.0809	0.8	185629
Fe 271.441	1875809xb	ppb	1631.51	0.1	3143924
K 766.491	4194.93b	ppb	6.7373	0.2	206108
Mg 279.078	13013.0b	ppb	30.5113	0.2	26582.5
Mn 257.610	16816.9b	ppb	29.7969	0.2	3818537
Mo 202.032	163.438b	ppb	0.4957	0.3	986.194
Na 330.237	5.1371b	ppb	214.032	4166.4	-675.250
Ni 231.604	522.067b	ppb	5.8124	1.1	1270.10
Pb 220.353	3635.63b	ppb	19.0818	0.5	5853.60
Sb 206.834	30.2022b	ppb	9.5282	31.5	77.6166
Se 196.026	9.7253b	ppb	7.8754	81.0	13.5783
Sn 189.925	457.694b	ppb	5.9125	1.3	346.908
Sr 216.596	253.002b	ppb	3.9555	1.6	3059.89
Ti 334.941	731.091b	ppb	1.5762	0.2	186673
Tl 190.794	57.4760b	ppb	8.3989	14.6	-42.1207
V 292.401	244.367b	ppb	0.1606	0.1	6639.96
Zn 206.200	14941.6b	ppb	18.8959	0.1	22671.2

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88632-a-43-b (Samp) 3/28/2013, 10:38:28 AM Rack 4, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.8930	2.6019	2.1412
Al 308.215	98692.7	99516.0	98900.3
As 188.980	302.041	296.982	298.373
B 249.678	47.3704	47.6632	48.9493
Ba 389.178	4046.31	4041.22	4046.54
Be 313.042	12.8058	12.8413	12.7653
Ca 370.602	150059	149812	150812
Cd 226.502	13.4527	13.1413	13.3061
Co 228.615	99.7951	98.2033	98.5085
Cr 267.716	393.156	395.874	395.942
Cu 324.754	741.849	737.479	740.212
Fe 271.441	273032	273260	273220
K 766.491	13763.6	13735.8	13751.4
Mg 279.078	37716.4	37836.5	37704.0
Mn 257.610	8487.17	8491.65	8496.77
Mo 202.032	29.0809	27.0129	28.3809
Na 330.237	3197.16	3322.91	3066.59
Ni 231.604	175.779	175.256	177.344
Pb 220.353	3279.87	3292.47	3296.39
Sb 206.834	14.8029	11.9464	16.0847
Se 196.026	3.4714	15.4141	9.7233
Sn 189.925	351.310	358.555	361.930
Sr 216.596	1125.67	1131.73	1131.86
Ti 334.941	2261.81	2276.72	2278.90
Tl 190.794	40.4852	36.2602	30.0430
V 292.401	338.448	340.055	338.477
Zn 206.200	5540.42	5535.74	5551.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.2120	ppb	0.3597	16.3	111.077
Al 308.215	99036.3	ppb	428.162	0.4	567271
As 188.980	299.132	ppb	2.6131	0.9	163.134
B 249.678	47.9943	ppb	0.8399	1.8	547.887
Ba 389.178	4044.69	ppb	3.0052	0.1	97265.0
Be 313.042	12.8041	ppb	0.0380	0.3	24649.4
Ca 370.602	150228	ppb	520.9	0.3	462994
Cd 226.502	13.3000	ppb	0.1558	1.2	1122.18
Co 228.615	98.8356	ppb	0.8448	0.9	1193.61
Cr 267.716	394.991	ppb	1.5897	0.4	16611.6
Cu 324.754	739.847	ppb	2.2077	0.3	35904.5
Fe 271.441	273171	ppb	121.575	0.0	457857
K 766.491	13750.3	ppb	13.9548	0.1	675074
Mg 279.078	37752.3	ppb	73.1706	0.2	76802.6
Mn 257.610	8491.86	ppb	4.8054	0.1	1926599
Mo 202.032	28.1582	ppb	1.0518	3.7	184.280
Na 330.237	3195.55	ppb	128.166	4.0	19.1436
Ni 231.604	176.127	ppb	1.0866	0.6	422.421
Pb 220.353	3289.58	ppb	8.6314	0.3	5293.57
Sb 206.834	14.2780	ppb	2.1185	14.8	24.4294
Se 196.026	9.5363	ppb	5.9736	62.6	7.2247
Sn 189.925	357.265	ppb	5.4264	1.5	271.030
Sr 216.596	1129.75	ppb	3.5355	0.3	10759.4
Ti 334.941	2272.48	ppb	9.3010	0.4	579711
Tl 190.794	35.5962	ppb	5.2527	14.8	5.8911
V 292.401	338.993	ppb	0.9197	0.3	9324.37
Zn 206.200	5542.45	ppb	7.9185	0.1	8412.39

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 10:43:56 AM Rack 4, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.837	498.919	497.574
Al 308.215	5013.02	5040.11	5009.43
As 188.980	482.114	476.385	472.406
B 249.678	2516.66	2551.64	2549.91
Ba 389.178	4944.13	4964.44	4940.62
Be 313.042	488.522	491.056	488.360
Ca 370.602	4919	4958	4937
Cd 226.502	495.386	498.050	494.439
Co 228.615	500.307	502.152	496.628
Cr 267.716	4868.49	4911.09	4897.52
Cu 324.754	4965.16	4902.88	4895.16
Fe 271.441	5029.02	5057.73	4999.13
K 766.491	10088.0	10096.0	10031.7
Mg 279.078	4945.33	4965.26	4954.57
Mn 257.610	4996.23	5032.57	4997.69
Mo 202.032	483.556	489.568	489.340
Na 330.237	7461.66	7626.00	7418.33
Ni 231.604	2471.85	2494.05	2478.32
Pb 220.353	493.111	492.146	493.998
Sb 206.834	919.719	923.244	925.188
Se 196.026	4856.81	4922.89	4860.51
Sn 189.925	4989.18	5013.18	5044.43
Sr 216.596	2426.06	2450.39	2441.85
Ti 334.941	490.872	495.229	493.438
Tl 190.794	4916.32	4970.83	4955.07
V 292.401	4935.05	4966.43	4932.77
Zn 206.200	2482.54	2505.57	2479.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.443	ppb	2.1796	0.4	34821.4	99.88866
Al 308.215	5020.85	ppb	16.7721	0.3	28967.3	100.41705
As 188.980	476.968	ppb	4.8799	1.0	260.901	95.39368
B 249.678	2539.40	ppb	19.7152	0.8	23612.4	101.57607
Ba 389.178	4949.73	ppb	12.8577	0.3	118451	98.99463
Be 313.042	489.313	ppb	1.5121	0.3	946831	97.86254
Ca 370.602	4938	ppb	19.46	0.4	15798	98.76094
Cd 226.502	495.959	ppb	1.8725	0.4	17680.0	99.19170
Co 228.615	499.696	ppb	2.8123	0.6	5737.34	99.93910
Cr 267.716	4892.37	ppb	21.7603	0.4	204507	97.84734
Cu 324.754	4921.07	ppb	38.3773	0.8	237671	98.42132
Fe 271.441	5028.63	ppb	29.3049	0.6	8551.61	100.57251
K 766.491	10071.9	ppb	35.0625	0.3	494544	100.71904
Mg 279.078	4955.05	ppb	9.9745	0.2	10036.1	99.10103
Mn 257.610	5008.83	ppb	20.5743	0.4	1135897	100.17662
Mo 202.032	487.488	ppb	3.4074	0.7	3154.02	97.49757
Na 330.237	7501.99	ppb	109.556	1.5	353.586	100.02660
Ni 231.604	2481.41	ppb	11.4189	0.5	5866.49	99.25628
Pb 220.353	493.085	ppb	0.9265	0.2	795.665	98.61699
Sb 206.834	922.717	ppb	2.7725	0.3	927.328	92.27171
Se 196.026	4880.07	ppb	37.1299	0.8	2238.02	97.60136
Sn 189.925	5015.60	ppb	27.7058	0.6	3793.61	100.31194
Sr 216.596	2439.43	ppb	12.3405	0.5	22936.9	97.57732
Ti 334.941	493.180	ppb	2.1897	0.4	125767	98.63593
Tl 190.794	4947.41	ppb	28.0529	0.6	3262.07	98.94817
V 292.401	4944.75	ppb	18.8087	0.4	135611	98.89494
Zn 206.200	2489.16	ppb	14.3029	0.6	2764.97	99.56641

Cont Calib Blank (CCB) 3/28/2013, 10:49:24 AM Rack 4, Tube 26
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2314u	-0.6711u	-0.0683u
Al 308.215	-0.3821u	-0.9943u	1.3935
As 188.980	-2.4524u	-6.5958u	-2.5142u
B 249.678	31.8518	25.5611	20.9534
Ba 389.178	0.4662	-0.1452u	-0.5074u
Be 313.042	-0.0228u	-0.0263u	-0.0266u
Ca 370.602	1.721	-3.078u	3.384
Cd 226.502	-0.0624u	0.0266	-0.1357u
Co 228.615	0.5174	-0.1643u	-0.0830u
Cr 267.716	-0.1163u	-0.4141u	-0.4943u
Cu 324.754	-0.0579u	0.2652	-0.0847u
Fe 271.441	3.7188	12.8444	7.9162
K 766.491	0.1366	-0.5771u	-0.8843u
Mg 279.078	1.6577	0.2915	0.1446
Mn 257.610	-0.1704u	-0.1114u	-0.0706u
Mo 202.032	0.0660	-0.2150u	0.1157
Na 330.237	36.7398	46.7986	86.8945
Ni 231.604	-0.8862u	1.3524	1.0073
Pb 220.353	-1.9962u	-0.1999u	1.8124
Sb 206.834	-1.7522u	4.6122	4.4341
Se 196.026	-5.7208u	-4.1572u	-8.6575u
Sn 189.925	-1.1308u	0.9071	-1.8243u
Sr 216.596	-0.2094u	-0.5199u	-0.7339u
Ti 334.941	-0.0027u	-0.0450u	-0.0694u
Tl 190.794	-1.2557u	6.0831	1.7953
V 292.401	0.5980	0.0501	0.6107
Zn 206.200	-0.2885u	-0.0716u	-1.4255u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3236	ppb	0.3118	96.4	-54.6108	-0.32357
Al 308.215	0.0057	ppb	1.2403	21732.2	243.741	0.00571
As 188.980	-3.8541	ppb	2.3746	61.6	-0.0215	-3.85413
B 249.678	26.1221	ppb	5.4708	20.9	597.639	26.12211
Ba 389.178	-0.0621	ppb	0.4921	792.1	-19.8542	-0.06212
Be 313.042	-0.0252	ppb	0.0021	8.4	-221.479	-0.02522
Ca 370.602	0.6757	ppb	3.355	496.6	-1.997	0.67573
Cd 226.502	-0.0572	ppb	0.0813	142.3	10.9773	-0.05716
Co 228.615	0.0900	ppb	0.3723	413.6	14.7112	0.09003
Cr 267.716	-0.3416	ppb	0.1992	58.3	-4.8805	-0.34158
Cu 324.754	0.0408	ppb	0.1948	476.8	109.732	0.04085
Fe 271.441	8.1598	ppb	4.5677	56.0	16.1826	8.15980
K 766.491	-0.4416	ppb	0.5238	118.6	203.599	-0.44163
Mg 279.078	0.6979	ppb	0.8345	119.6	23.2282	0.69794
Mn 257.610	-0.1175	ppb	0.0502	42.7	45.0464	-0.11748
Mo 202.032	-0.0111	ppb	0.1783	1608.0	15.2062	-0.01109
Na 330.237	56.8110	ppb	26.5341	46.7	-0.9163	56.81097
Ni 231.604	0.4912	ppb	1.2052	245.4	2.1110	0.49117
Pb 220.353	-0.1279	ppb	1.9053	1489.5	2.2698	-0.12792
Sb 206.834	2.4314	ppb	3.6242	149.1	3.6094	2.43136
Se 196.026	-6.1785	ppb	2.2848	37.0	-2.6645	-6.17851
Sn 189.925	-0.6827	ppb	1.4198	208.0	0.2977	-0.68267
Sr 216.596	-0.4878	ppb	0.2637	54.1	5.9077	-0.48777
Ti 334.941	-0.0390	ppb	0.0337	86.6	-40.0237	-0.03899
Tl 190.794	2.2076	ppb	3.6867	167.0	1.1986	2.20755
V 292.401	0.4196	ppb	0.3200	76.3	5.8823	0.41961
Zn 206.200	-0.5952	ppb	0.7272	122.2	893.8584	-0.59520

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88632-a-44-b (Samp) 3/28/2013, 10:54:52 AM Rack 4, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	19.1293	20.1099	19.4706
Al 308.215	110437	110664	110489
As 188.980	204.429	197.185	197.282
B 249.678	19.5077u	20.1416u	16.5720u
Ba 389.178	1802.34	1801.91	1801.73
Be 313.042	14.0305	14.0668	14.0620
Ca 370.602	268539	271850	270030
Cd 226.502	51.6608	51.3893	52.2540
Co 228.615	78.4031	77.2375	78.9425
Cr 267.716	394.792	395.697	394.878
Cu 324.754	10211.4	10287.6	10421.5
Fe 271.441	328352	328721	328555
K 766.491	10387.0	10487.0	10301.4
Mg 279.078	48775.6	48841.3	48829.8
Mn 257.610	12056.2	12087.1	12093.6
Mo 202.032	18.2875	16.4640	18.8884
Na 330.237	3004.72u	2989.77u	3089.98u
Ni 231.604	153.588	152.782	153.753
Pb 220.353	5745.09	5771.01	5753.27
Sb 206.834	7.7825	19.9282	5.1496
Se 196.026	7.8441	17.9071	10.6033
Sn 189.925	256.868	256.251	249.960
Sr 216.596	482.501	483.377	480.036
Ti 334.941	2215.58	2219.25	2218.02
Tl 190.794	62.2134	72.8276	57.9310
V 292.401	368.643	369.697	368.010
Zn 206.200	25465.6	25496.2	25520.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.5699	ppb	0.4978	2.5	1366.81
Al 308.215	110530	ppb	119.243	0.1	633076
As 188.980	199.632	ppb	4.1543	2.1	109.508
B 249.678	18.7404	ppb	1.9045	10.2	229.374
Ba 389.178	1801.99	ppb	0.3170	0.0	43713.4
Be 313.042	14.0531	ppb	0.0198	0.1	27112.8
Ca 370.602	270140	ppb	1658	0.6	845581
Cd 226.502	51.7680	ppb	0.4422	0.9	2620.19
Co 228.615	78.1944	ppb	0.8714	1.1	954.527
Cr 267.716	395.122	ppb	0.4996	0.1	16641.0
Cu 324.754	10306.8	ppb	106.365	1.0	497828
Fe 271.441	328543	ppb	184.670	0.1	550658
K 766.491	10391.8	ppb	92.8901	0.9	510243
Mg 279.078	48815.5	ppb	35.0554	0.1	99286.9
Mn 257.610	12079.0	ppb	20.0001	0.2	2740217
Mo 202.032	17.8800	ppb	1.2625	7.1	115.402
Na 330.237	3028.16	ppb	54.0615	1.8	-152.029
Ni 231.604	153.375	ppb	0.5198	0.3	369.695
Pb 220.353	5756.46	ppb	13.2487	0.2	9262.93
Sb 206.834	10.9535	ppb	7.8831	72.0	22.5971
Se 196.026	12.1182	ppb	5.1997	42.9	9.3790
Sn 189.925	254.360	ppb	3.8228	1.5	193.256
Sr 216.596	481.971	ppb	1.7323	0.4	4689.22
Ti 334.941	2217.62	ppb	1.8687	0.1	565772
Tl 190.794	64.3240	ppb	7.6693	11.9	19.5190
V 292.401	368.784	ppb	0.8521	0.2	10145.0
Zn 206.200	25494.1	ppb	27.5195	0.1	38686.6

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680-88632-b-48-b (Samp) 3/28/2013, 11:00:21 AM Rack 4, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.6214	2.1163	1.9784
Al 308.215	99945.0	100358	100299
As 188.980	344.951	356.940	356.773
B 249.678	162.806	163.685	164.410
Ba 389.178	3172.98	3189.42	3179.22
Be 313.042	19.1530	19.2881	19.2255
Ca 370.602	243789	245874	243893
Cd 226.502	32.2921	31.8407	31.7814
Co 228.615	119.626	122.384	121.947
Cr 267.716	422.152	424.793	425.392
Cu 324.754	4555.99	4454.68	4501.39
Fe 271.441	524837	526574	524864
K 766.491	15735.2	15864.7	15766.6
Mg 279.078	33812.3	33979.2	33857.0
Mn 257.610	13210.7	13288.6	13226.4
Mo 202.032	37.9936	38.1595	35.9340
Na 330.237	3227.04u	3070.91u	3034.83u
Ni 231.604	304.453	302.366	302.586
Pb 220.353	3436.89	3460.34	3455.58
Sb 206.834	45.2063	36.3559	46.0748
Se 196.026	-5.9225	13.1965	14.5698
Sn 189.925	114.223	118.201	118.860
Sr 216.596	1494.49	1503.87	1505.95
Ti 334.941	1888.73	1896.87	1899.65
Tl 190.794	51.3133	42.1946u	50.8705
V 292.401	254.401	254.968	254.567
Zn 206.200	7913.25	7962.13	7931.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9054	ppb	0.2554	13.4	92.4629
Al 308.215	100201	ppb	223.380	0.2	573940
As 188.980	352.888	ppb	6.8746	1.9	190.751
B 249.678	163.634	ppb	0.8035	0.5	1376.20
Ba 389.178	3180.54	ppb	8.3012	0.3	76947.4
Be 313.042	19.2222	ppb	0.0676	0.4	37104.5
Ca 370.602	244519	ppb	1175	0.5	746565
Cd 226.502	31.9714	ppb	0.2794	0.9	2373.10
Co 228.615	121.319	ppb	1.4825	1.2	1432.40
Cr 267.716	424.112	ppb	1.7235	0.4	17898.7
Cu 324.754	4504.02	ppb	50.7027	1.1	217718
Fe 271.441	525425	ppb	995.265	0.2	880640
K 766.491	15788.8	ppb	67.5844	0.4	775124
Mg 279.078	33882.8	ppb	86.3957	0.3	68891.9
Mn 257.610	13241.9	ppb	41.2120	0.3	3004365
Mo 202.032	37.3623	ppb	1.2398	3.3	232.568
Na 330.237	3110.93	ppb	102.164	3.3	-74.6219
Ni 231.604	303.135	ppb	1.1468	0.4	727.360
Pb 220.353	3450.94	ppb	12.3941	0.4	5554.33
Sb 206.834	42.5457	ppb	5.3780	12.6	57.1005
Se 196.026	7.2813	ppb	11.4554	157.3	7.9645
Sn 189.925	117.094	ppb	2.5087	2.1	89.4432
Sr 216.596	1501.44	ppb	6.1073	0.4	14357.0
Ti 334.941	1895.08	ppb	5.6746	0.3	483473
Tl 190.794	48.1261	ppb	5.1416	10.7	0.9828
V 292.401	254.645	ppb	0.2913	0.1	6994.81
Zn 206.200	7935.54	ppb	24.7203	0.3	12944.1

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.0886	1.3495	1.3521
Al 308.215	119009	118913	119060
As 188.980	227.029	231.886	228.770
B 249.678	253.190	252.882	252.477
Ba 389.178	3936.82	3938.59	3940.96
Be 313.042	24.9289	24.9740	24.9775
Ca 370.602	280022	280315	280441
Cd 226.502	45.5272	44.5684	44.6764
Co 228.615	130.390	131.058	128.781
Cr 267.716	414.538	415.428	415.191
Cu 324.754	2272.73	2287.82	2282.78
Fe 271.441	375469	375798	376041
K 766.491	17585.4	17557.8	17569.1
Mg 279.078	40781.8	40756.3	40763.8
Mn 257.610	16728.0	16799.3	16726.5
Mo 202.032	32.4579	30.9876	32.8897
Na 330.237	3790.97	3947.80	3983.60
Ni 231.604	229.740	227.331	228.135
Pb 220.353	4365.61	4388.43	4374.03
Sb 206.834	24.2008	19.0003	12.1016
Se 196.026	20.0544	11.2867	17.1275
Sn 189.925	85.9502	79.9855	83.0611
Sr 216.596	1308.87	1314.29	1313.41
Ti 334.941	2257.33	2260.80	2262.67
Tl 190.794	63.0792	57.2929	62.9008
V 292.401	313.557	312.990	312.426
Zn 206.200	8442.66	8432.54	8430.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5967	ppb	0.4260	26.7	94.8352
Al 308.215	118994	ppb	74.9413	0.1	681541
As 188.980	229.228	ppb	2.4610	1.1	125.214
B 249.678	252.850	ppb	0.3576	0.1	2330.06
Ba 389.178	3938.79	ppb	2.0773	0.1	94889.8
Be 313.042	24.9601	ppb	0.0271	0.1	48226.0
Ca 370.602	280259	ppb	214.7	0.1	874449
Cd 226.502	44.9240	ppb	0.5252	1.2	2487.06
Co 228.615	130.076	ppb	1.1705	0.9	1546.93
Cr 267.716	415.052	ppb	0.4608	0.1	17502.5
Cu 324.754	2281.11	ppb	7.6818	0.3	110349
Fe 271.441	375769	ppb	287.184	0.1	629817
K 766.491	17570.7	ppb	13.8843	0.1	862578
Mg 279.078	40767.3	ppb	13.0966	0.0	82828.1
Mn 257.610	16751.3	ppb	41.5628	0.2	3799767
Mo 202.032	32.1117	ppb	0.9972	3.1	205.250
Na 330.237	3907.45	ppb	102.459	2.6	3.6875
Ni 231.604	228.402	ppb	1.2264	0.5	547.920
Pb 220.353	4376.02	ppb	11.5372	0.3	7042.84
Sb 206.834	18.4342	ppb	6.0694	32.9	30.8197
Se 196.026	16.1562	ppb	4.4638	27.6	12.4281
Sn 189.925	82.9989	ppb	2.9828	3.6	63.6768
Sr 216.596	1312.19	ppb	2.9093	0.2	12525.3
Ti 334.941	2260.26	ppb	2.7108	0.1	576621
Tl 190.794	61.0910	ppb	3.2904	5.4	11.2492
V 292.401	312.991	ppb	0.5654	0.2	8606.68
Zn 206.200	8435.28	ppb	6.4638	0.1	12802.7

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mb 680-270887/1-a (Samp) 3/28/2013, 11:11:28 AM Rack 4, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1037u	0.3884	-0.4935u
Al 308.215	4.1654	5.0360	6.2302
As 188.980	-2.3330u	-2.5506u	1.0157
B 249.678	-20.9383u	-23.0546u	-23.1857u
Ba 389.178	-0.8757u	-0.2587u	-0.1135u
Be 313.042	-0.0384u	-0.0407u	-0.0233u
Ca 370.602	16.91	13.46	15.37
Cd 226.502	-0.0283u	0.0392	-0.1203u
Co 228.615	-1.0224u	-0.1584u	0.0561
Cr 267.716	0.4155	0.0974	-0.0543u
Cu 324.754	-0.3092u	0.1759	-0.0212u
Fe 271.441	28.8270	23.0745	23.8346
K 766.491	9.0200	10.0150	10.4624
Mg 279.078	10.6101	7.5844	4.9490
Mn 257.610	0.0800	0.1972	0.1642
Mo 202.032	-0.9837u	-0.6648u	-0.4166u
Na 330.237	-51.7276u	-4.1110u	258.904
Ni 231.604	-0.1476u	1.5962	0.9478
Pb 220.353	-0.1610u	-0.2686u	-1.7326u
Sb 206.834	-4.4863u	-4.5563u	-6.0675u
Se 196.026	2.8534	-3.5279u	7.0006
Sn 189.925	11.9978	8.0159	15.2143
Sr 216.596	0.0201	-0.3507u	-0.7133u
Ti 334.941	1.6792	1.3153	1.1879
Tl 190.794	0.7429	-6.0384u	1.3923
V 292.401	0.2782	0.2611	0.2337
Zn 206.200	1.2858	-0.1581u	-0.0219u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0696	ppb	0.4419	635.1	-36.8625
Al 308.215	5.1439	ppb	1.0366	20.2	273.092
As 188.980	-1.2893	ppb	1.9991	155.1	1.3711
B 249.678	-22.3929	ppb	1.2614	5.6	153.271
Ba 389.178	-0.4160	ppb	0.4047	97.3	-28.2841
Be 313.042	-0.0341	ppb	0.0095	27.7	-238.606
Ca 370.602	15.25	ppb	1.726	11.3	44.08
Cd 226.502	-0.0364	ppb	0.0800	219.6	11.7494
Co 228.615	-0.3749	ppb	0.5709	152.3	9.4403
Cr 267.716	0.1529	ppb	0.2398	156.9	15.7973
Cu 324.754	-0.0515	ppb	0.2440	474.1	105.267
Fe 271.441	25.2454	ppb	3.1249	12.4	44.7389
K 766.491	9.8325	ppb	0.7383	7.5	707.840
Mg 279.078	7.7145	ppb	2.8328	36.7	37.5163
Mn 257.610	0.1471	ppb	0.0604	41.1	105.119
Mo 202.032	-0.6883	ppb	0.2843	41.3	10.8334
Na 330.237	67.6883	ppb	167.300	247.2	-0.3876
Ni 231.604	0.7988	ppb	0.8814	110.3	2.8384
Pb 220.353	-0.7207	ppb	0.8780	121.8	1.3162
Sb 206.834	-5.0367	ppb	0.8934	17.7	-3.5109
Se 196.026	2.1087	ppb	5.3036	251.5	1.1339
Sn 189.925	11.7427	ppb	3.6060	30.7	9.6938
Sr 216.596	-0.3480	ppb	0.3667	105.4	7.2413
Ti 334.941	1.3941	ppb	0.2549	18.3	325.503
Tl 190.794	-1.3011	ppb	4.1155	316.3	-1.1182
V 292.401	0.2576	ppb	0.0224	8.7	1.5323
Zn 206.200	0.3686	ppb	0.7972	216.3	3.3198

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ics 680-270887/2-a (Samp) 3/28/2013, 11:16:57 AM Rack 4, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.7893	50.2552	50.6375
Al 308.215	5105.08	5127.73	5114.87
As 188.980	102.805	115.095	110.489
B 249.678	178.353	180.346	181.310
Ba 389.178	104.693	105.487	106.096
Be 313.042	52.6603	52.8472	52.8986
Ca 370.602	5069	5094	5075
Cd 226.502	52.9361	53.1013	53.1534
Co 228.615	52.6067	53.6527	53.0830
Cr 267.716	104.783	105.258	105.072
Cu 324.754	105.954	103.974	106.371
Fe 271.441	5292.48	5299.35	5286.84
K 766.491	5136.82	5145.09	5146.81
Mg 279.078	5171.41	5182.62	5205.04
Mn 257.610	537.888	539.118	539.418
Mo 202.032	103.614	103.837	102.352
Na 330.237	4935.77	4938.03	4868.01
Ni 231.604	105.777	102.913	103.461
Pb 220.353	50.0280	47.6840	50.4853
Sb 206.834	50.1015	54.6619	46.4232
Se 196.026	107.252	104.389	103.575
Sn 189.925	221.373	220.501	218.410
Sr 216.596	105.182	104.301	103.228
Ti 334.941	104.891	105.328	105.349
Tl 190.794	37.8244	43.1997	42.1589
V 292.401	105.599	105.700	106.072
Zn 206.200	103.995	101.402	103.983

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5607	ppb	0.2752	0.5	3500.30
Al 308.215	5115.89	ppb	11.3572	0.2	29546.4
As 188.980	109.463	ppb	6.2089	5.7	61.4658
B 249.678	180.003	ppb	1.5081	0.8	2002.21
Ba 389.178	105.425	ppb	0.7037	0.7	2526.71
Be 313.042	52.8020	ppb	0.1254	0.2	102028
Ca 370.602	5079	ppb	13.23	0.3	15989
Cd 226.502	53.0636	ppb	0.1134	0.2	1914.33
Co 228.615	53.1141	ppb	0.5237	1.0	620.428
Cr 267.716	105.038	ppb	0.2393	0.2	4402.54
Cu 324.754	105.433	ppb	1.2803	1.2	5201.49
Fe 271.441	5292.89	ppb	6.2647	0.1	8882.54
K 766.491	5142.91	ppb	5.3396	0.1	252634
Mg 279.078	5186.36	ppb	17.1240	0.3	10576.3
Mn 257.610	538.808	ppb	0.8109	0.2	122292
Mo 202.032	103.268	ppb	0.8009	0.8	681.572
Na 330.237	4913.94	ppb	39.7909	0.8	242.596
Ni 231.604	104.050	ppb	1.5204	1.5	247.001
Pb 220.353	49.3991	ppb	1.5028	3.0	81.7676
Sb 206.834	50.3955	ppb	4.1272	8.2	49.6297
Se 196.026	105.072	ppb	1.9312	1.8	48.4628
Sn 189.925	220.095	ppb	1.5230	0.7	167.253
Sr 216.596	104.237	ppb	0.9785	0.9	989.828
Ti 334.941	105.189	ppb	0.2589	0.2	26818.2
Tl 190.794	41.0610	ppb	2.8509	6.9	26.1676
V 292.401	105.790	ppb	0.2490	0.2	2879.05
Zn 206.200	103.127	ppb	1.4937	1.4	158.962

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ics 680-270887/3-a (Samp) 3/28/2013, 11:22:25 AM Rack 4, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	215.921	217.191	219.071
Al 308.215	2061.05	2068.10	2068.25
As 188.980	220.466	210.857	217.863
B 249.678	391.731	397.036	395.066
Ba 389.178	206.453	206.512	207.576
Be 313.042	211.910	212.413	212.193
Ca 370.602	20565	20590	20592
Cd 226.502	206.236	206.690	206.388
Co 228.615	204.498	207.672	210.417
Cr 267.716	207.597	208.801	207.874
Cu 324.754	209.145	210.254	212.337
Fe 271.441	21718.3	21755.3	21734.6
K 766.491	20398.9	20388.0	20412.0
Mg 279.078	20878.8	20913.8	20921.6
Mn 257.610	2161.03	2165.74	2162.97
Mo 202.032	205.822	207.692	206.729
Na 330.237	18223.8	18167.2	18269.6
Ni 231.604	211.234	207.032	206.249
Pb 220.353	207.499	207.268	209.578
Sb 206.834	193.389	201.247	197.651
Se 196.026	213.166	214.137	208.170
Sn 189.925	216.927	226.397	222.610
Sr 216.596	220.500	220.315	220.762
Ti 334.941	210.467	211.252	210.774
Tl 190.794	46.4061	42.4480	50.5312
V 292.401	209.283	210.613	209.827
Zn 206.200	194.832	193.141	194.532

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	217.394	ppb	1.5845	0.7	15163.3
Al 308.215	2065.80	ppb	4.1132	0.2	12095.1
As 188.980	216.396	ppb	4.9700	2.3	119.463
B 249.678	394.611	ppb	2.6816	0.7	3952.75
Ba 389.178	206.847	ppb	0.6320	0.3	5020.77
Be 313.042	212.172	ppb	0.2522	0.1	410535
Ca 370.602	20583	ppb	14.93	0.1	64734
Cd 226.502	206.438	ppb	0.2307	0.1	7412.63
Co 228.615	207.529	ppb	2.9621	1.4	2385.49
Cr 267.716	208.091	ppb	0.6308	0.3	8718.35
Cu 324.754	210.579	ppb	1.6207	0.8	10284.6
Fe 271.441	21736.1	ppb	18.5173	0.1	36465.9
K 766.491	20399.6	ppb	12.0166	0.1	1001417
Mg 279.078	20904.7	ppb	22.7979	0.1	42569.7
Mn 257.610	2163.25	ppb	2.3677	0.1	490775
Mo 202.032	206.748	ppb	0.9353	0.5	1348.74
Na 330.237	18220.2	ppb	51.2892	0.3	911.926
Ni 231.604	208.172	ppb	2.6807	1.3	493.426
Pb 220.353	208.115	ppb	1.2727	0.6	337.265
Sb 206.834	197.429	ppb	3.9338	2.0	191.244
Se 196.026	211.824	ppb	3.2018	1.5	97.8075
Sn 189.925	221.978	ppb	4.7662	2.1	168.687
Sr 216.596	220.526	ppb	0.2247	0.1	2087.55
Ti 334.941	210.831	ppb	0.3956	0.2	53825.1
Tl 190.794	46.4618	ppb	4.0419	8.7	27.6605
V 292.401	209.908	ppb	0.6690	0.3	5717.67
Zn 206.200	194.168	ppb	0.9018	0.5	206.909

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88612-a-18-b (Samp) 3/28/2013, 11:27:53 AM Rack 4, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4604u	-1.2736u	-1.2914u
Al 308.215	55734.6	55913.0	56060.2
As 188.980	7.5236	4.3905	-2.4358u
B 249.678	-22.3079u	-22.9017u	-24.5505u
Ba 389.178	174.396	174.920	175.094
Be 313.042	0.6573	0.6721	0.6646
Ca 370.602	3035	3040	3055
Cd 226.502	-0.8606	-0.6884	-0.7853
Co 228.615	3.0717	3.2893	3.0910
Cr 267.716	80.9387	81.0135	81.5582
Cu 324.754	22.5849	23.0203	23.0302
Fe 271.441	63381.6	63497.6	63691.1
K 766.491	1882.16	1884.83	1890.09
Mg 279.078	2345.02	2351.14	2371.87
Mn 257.610	414.609	415.434	416.663
Mo 202.032	0.8195	1.6786	1.4568
Na 330.237	269.421u	318.171u	191.067u
Ni 231.604	9.9183	12.2285	11.6797
Pb 220.353	42.0134	44.2598	42.3068
Sb 206.834	0.5525	-1.0600	0.4052
Se 196.026	2.4614	1.7017	7.3707
Sn 189.925	15.1540	11.5739	16.4451
Sr 216.596	17.0404	16.7685	16.4891
Ti 334.941	549.430	554.869	554.740
Tl 190.794	4.2628	1.6662u	-0.8430u
V 292.401	170.855	171.499	171.552
Zn 206.200	33.5961	32.4015	34.0500

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0084	ppb	0.4747	47.1	-100.460
Al 308.215	55902.6	ppb	163.047	0.3	320310
As 188.980	3.1594	ppb	5.0926	161.2	3.2397
B 249.678	-23.2534	ppb	1.1619	5.0	87.2288
Ba 389.178	174.803	ppb	0.3629	0.2	4264.29
Be 313.042	0.6646	ppb	0.0074	1.1	1112.59
Ca 370.602	3043	ppb	10.07	0.3	4681
Cd 226.502	-0.7781	ppb	0.0863	11.1	133.099
Co 228.615	3.1507	ppb	0.1204	3.8	62.0140
Cr 267.716	81.1701	ppb	0.3381	0.4	3417.31
Cu 324.754	22.8784	ppb	0.2543	1.1	1228.96
Fe 271.441	63523.4	ppb	156.329	0.2	106470
K 766.491	1885.69	ppb	4.0329	0.2	92773.1
Mg 279.078	2356.01	ppb	14.0721	0.6	4809.08
Mn 257.610	415.569	ppb	1.0338	0.2	94488.6
Mo 202.032	1.3183	ppb	0.4460	33.8	20.6585
Na 330.237	259.553	ppb	64.1242	24.7	-13.9582
Ni 231.604	11.2755	ppb	1.2070	10.7	28.8106
Pb 220.353	42.8600	ppb	1.2211	2.8	70.2399
Sb 206.834	-0.0341	ppb	0.8915	2613.5	3.4011
Se 196.026	3.8446	ppb	3.0772	80.0	2.1977
Sn 189.925	14.3910	ppb	2.5236	17.5	11.6963
Sr 216.596	16.7660	ppb	0.2756	1.6	191.308
Ti 334.941	553.013	ppb	3.1036	0.6	141025
Tl 190.794	1.6954	ppb	2.5530	150.6	-1.6428
V 292.401	171.302	ppb	0.3878	0.2	4709.20
Zn 206.200	33.3492	ppb	0.8515	2.6	53.1176

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680-88612-a-18-c ms (Samp) **3/28/2013, 11:33:22 AM** **Rack 4, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	46.7058	46.8662	46.2262
Al 308.215	76664.1	76867.8	76574.6
As 188.980	101.712	94.8455	93.5649
B 249.678	117.493	120.011	118.899
Ba 389.178	287.695	287.850	286.998
Be 313.042	49.1169	49.1443	49.0086
Ca 370.602	7725	7715	7709
Cd 226.502	47.0320	47.3560	47.1519
Co 228.615	51.4217	51.6794	51.0339
Cr 267.716	204.912	204.741	204.276
Cu 324.754	125.775	125.802	125.697
Fe 271.441	90619.9	90534.8	90458.4
K 766.491	6867.77	6858.16	6852.71
Mg 279.078	7190.91	7219.21	7176.32
Mn 257.610	895.694	895.367	893.460
Mo 202.032	86.6587	87.9361	88.0194
Na 330.237	4515.28	4717.10	4668.63
Ni 231.604	104.983	105.969	107.110
Pb 220.353	95.2725	94.3825	96.3611
Sb 206.834	12.2685	14.3501	20.5189
Se 196.026	81.2290	87.5419	103.394
Sn 189.925	195.955	196.948	202.559
Sr 216.596	113.741	113.754	113.890
Ti 334.941	645.326	643.708	641.516
Tl 190.794	47.5708	42.7514	42.3282
V 292.401	367.385	367.190	366.978
Zn 206.200	136.611	138.706	136.355

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.5994	ppb	0.3330	0.7	3226.02
Al 308.215	76702.2	ppb	150.220	0.2	439405
As 188.980	96.7074	ppb	4.3809	4.5	53.8001
B 249.678	118.801	ppb	1.2621	1.1	1363.54
Ba 389.178	287.514	ppb	0.4538	0.2	7014.85
Be 313.042	49.0899	ppb	0.0718	0.1	94840.9
Ca 370.602	7716	ppb	7.987	0.1	17558
Cd 226.502	47.1800	ppb	0.1638	0.3	1903.31
Co 228.615	51.3783	ppb	0.3249	0.6	612.378
Cr 267.716	204.643	ppb	0.3293	0.2	8584.76
Cu 324.754	125.758	ppb	0.0548	0.0	6204.31
Fe 271.441	90537.7	ppb	80.7918	0.1	151755
K 766.491	6859.55	ppb	7.6241	0.1	336884
Mg 279.078	7195.48	ppb	21.8060	0.3	14657.3
Mn 257.610	894.840	ppb	1.2067	0.1	203266
Mo 202.032	87.5381	ppb	0.7627	0.9	575.764
Na 330.237	4633.67	ppb	105.352	2.3	198.685
Ni 231.604	106.020	ppb	1.0644	1.0	253.278
Pb 220.353	95.3387	ppb	0.9910	1.0	154.229
Sb 206.834	15.7125	ppb	4.2906	27.3	19.4748
Se 196.026	90.7217	ppb	11.4196	12.6	42.1996
Sn 189.925	198.487	ppb	3.5609	1.8	150.913
Sr 216.596	113.795	ppb	0.0824	0.1	1111.16
Ti 334.941	643.517	ppb	1.9126	0.3	164129
Tl 190.794	44.2168	ppb	2.9124	6.6	25.0979
V 292.401	367.184	ppb	0.2033	0.1	10073.7
Zn 206.200	137.224	ppb	1.2899	0.9	219.387

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680-88612-a-18-d msd (Samp) 3/28/2013, 11:38:50 AM Rack 4, Tube 35**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	42.3766	43.2831	42.1829
Al 308.215	69218.4	69240.3	69182.1
As 188.980	85.2152	94.9178	84.7379
B 249.678	110.018	109.911	109.897
Ba 389.178	266.190	264.576	265.816
Be 313.042	45.4899	45.5605	45.5432
Ca 370.602	7136	7130	7164
Cd 226.502	44.0240	44.1717	44.0308
Co 228.615	49.1733	48.6030	46.8280
Cr 267.716	189.963	190.651	190.460
Cu 324.754	115.100	116.595	117.108
Fe 271.441	90027.5	89817.2	89630.8
K 766.491	6318.37	6306.76	6300.13
Mg 279.078	6647.50	6633.48	6658.79
Mn 257.610	896.034	894.108	894.311
Mo 202.032	82.1891	82.8141	83.0015
Na 330.237	4525.75	4839.43	4509.67
Ni 231.604	98.3731	97.6241	98.6494
Pb 220.353	84.8411	86.3337	90.0536
Sb 206.834	17.2908	20.6928	18.1796
Se 196.026	75.6049	79.3867	86.7409
Sn 189.925	183.982	182.434	181.978
Sr 216.596	106.056	104.757	105.799
Ti 334.941	587.607	587.602	588.856
Tl 190.794	28.7796	32.8506	40.9337
V 292.401	356.794	356.312	356.074
Zn 206.200	123.538	127.232	124.664

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.6142	ppb	0.5873	1.4	2947.75
Al 308.215	69213.6	ppb	29.3933	0.0	396529
As 188.980	88.2903	ppb	5.7446	6.5	49.2337
B 249.678	109.942	ppb	0.0662	0.1	1283.05
Ba 389.178	265.527	ppb	0.8446	0.3	6486.19
Be 313.042	45.5312	ppb	0.0368	0.1	87951.8
Ca 370.602	7144	ppb	18.32	0.3	15757
Cd 226.502	44.0755	ppb	0.0834	0.2	1791.14
Co 228.615	48.2014	ppb	1.2231	2.5	574.779
Cr 267.716	190.358	ppb	0.3550	0.2	7987.39
Cu 324.754	116.268	ppb	1.0431	0.9	5745.88
Fe 271.441	89825.2	ppb	198.518	0.2	150561
K 766.491	6308.42	ppb	9.2309	0.1	309836
Mg 279.078	6646.59	ppb	12.6787	0.2	13541.4
Mn 257.610	894.818	ppb	1.0578	0.1	203256
Mo 202.032	82.6682	ppb	0.4254	0.5	544.373
Na 330.237	4624.95	ppb	185.917	4.0	198.965
Ni 231.604	98.2156	ppb	0.5305	0.5	234.814
Pb 220.353	87.0762	ppb	2.6844	3.1	141.105
Sb 206.834	18.7211	ppb	1.7645	9.4	22.2366
Se 196.026	80.5775	ppb	5.6627	7.0	37.5483
Sn 189.925	182.798	ppb	1.0504	0.6	139.048
Sr 216.596	105.538	ppb	0.6884	0.7	1033.37
Ti 334.941	588.021	ppb	0.7224	0.1	149973
Tl 190.794	34.1879	ppb	6.1864	18.1	18.4991
V 292.401	356.393	ppb	0.3670	0.1	9778.00
Zn 206.200	125.145	ppb	1.8936	1.5	192.096

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

200-15653-a-1-a (Samp) 3/28/2013, 11:44:18 AM Rack 4, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6379u	-0.4021u	-0.7644u
Al 308.215	1394.65	1397.09	1399.98
As 188.980	7.0930	5.1549	7.2356
B 249.678	173.979	175.391	175.234
Ba 389.178	56.5108	54.5373	54.9841
Be 313.042	0.1563u	0.1678u	0.1620u
Ca 370.602	50139	50221	50231
Cd 226.502	0.6253	0.9134	0.6224
Co 228.615	7.4231	7.3452	7.5064
Cr 267.716	472.108	473.868	473.194
Cu 324.754	396.087	396.800	397.849
Fe 271.441	102289	102249	102231
K 766.491	26511.9	26505.2	26634.9
Mg 279.078	37223.8	37275.5	37261.8
Mn 257.610	489.761	490.079	490.262
Mo 202.032	13.1764	12.4357	13.0153
Na 330.237	3038220x	3029220x	3033032x
Ni 231.604	261.094	262.151	264.039
Pb 220.353	34.5390	38.6871	33.3593
Sb 206.834	16.9243	16.6625	11.4682
Se 196.026	16.6327	18.6290	22.5303
Sn 189.925	21.9546	26.7166	21.7555
Sr 216.596	155.998	156.715	155.355
Ti 334.941	48.3212	48.4507	48.5977
Tl 190.794	0.0834u	-5.2256u	-2.7071u
V 292.401	11.3051	10.9406	11.4724
Zn 206.200	13731.0	13750.6	13737.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6015b	ppb	0.1838	30.6	-79.5284
Al 308.215	1397.24b	ppb	2.6704	0.2	8245.08
As 188.980	6.4945b	ppb	1.1623	17.9	5.0467
B 249.678	174.868b	ppb	0.7740	0.4	1866.35
Ba 389.178	55.3440b	ppb	1.0348	1.9	1556.58
Be 313.042	0.1620b	ppb	0.0057	3.5	-214.383
Ca 370.602	50197b	ppb	50.34	0.1	153585
Cd 226.502	0.7203b	ppb	0.1672	23.2	260.651
Co 228.615	7.4249b	ppb	0.0807	1.1	97.4879
Cr 267.716	473.057b	ppb	0.8879	0.2	19855.9
Cu 324.754	396.912b	ppb	0.8862	0.2	19300.9
Fe 271.441	102256b	ppb	29.6867	0.0	171387
K 766.491	26550.7b	ppb	73.0268	0.3	1303304
Mg 279.078	37253.7b	ppb	26.7911	0.1	75908.9
Mn 257.610	490.034b	ppb	0.2536	0.1	111654
Mo 202.032	12.8758b	ppb	0.3896	3.0	93.8120
Na 330.237	3033491xb	ppb	4517.51	0.1	153907
Ni 231.604	262.428b	ppb	1.4917	0.6	623.194
Pb 220.353	35.5285b	ppb	2.7983	7.9	59.6687
Sb 206.834	15.0183b	ppb	3.0773	20.5	22.1921
Se 196.026	19.2640b	ppb	2.9996	15.6	9.3878
Sn 189.925	23.4756b	ppb	2.8086	12.0	19.5803
Sr 216.596	156.023b	ppb	0.6803	0.4	1516.90
Ti 334.941	48.4565b	ppb	0.1383	0.3	12272.4
Tl 190.794	-2.6164b	ppb	2.6556	101.5	-5.9362
V 292.401	11.2394b	ppb	0.2719	2.4	248.127
Zn 206.200	13739.7b	ppb	9.9997	0.1	20849.3

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Cont Calib Verif (CCV) 3/28/2013, 11:49:46 AM Rack 4, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.260	500.129	511.335
Al 308.215	5025.02	5008.53	5044.32
As 188.980	464.097	482.308	486.164
B 249.678	2526.34	2546.00	2581.29
Ba 389.178	4942.22	4941.95	4970.99
Be 313.042	489.392	490.289	492.333
Ca 370.602	4949	4940	4965
Cd 226.502	495.832	494.619	498.159
Co 228.615	499.009	498.647	501.574
Cr 267.716	4900.31	4900.32	4930.97
Cu 324.754	4950.57	4939.94	5057.48
Fe 271.441	5000.57	4988.40	5025.45
K 766.491	10051.8	10034.5	9704.05
Mg 279.078	4964.93	4963.31	4993.86
Mn 257.610	5012.10	5012.68	5032.92
Mo 202.032	485.938	486.939	488.809
Na 330.237	7315.17	7503.97	7556.95
Ni 231.604	2480.82	2491.81	2504.09
Pb 220.353	492.010	498.389	496.181
Sb 206.834	916.891	918.831	928.040
Se 196.026	4879.80	4890.19	4922.53
Sn 189.925	4966.56	5005.21	5037.34
Sr 216.596	2442.51	2446.30	2458.27
Ti 334.941	492.081	492.174	495.358
Tl 190.794	4963.06	4955.50	4964.91
V 292.401	4950.54	4933.57	4968.70
Zn 206.200	2492.03	2491.91	2499.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.575	ppb	5.9505	1.2	35180.3	100.91492
Al 308.215	5025.95	ppb	17.9147	0.4	28996.3	100.51909
As 188.980	477.523	ppb	11.7860	2.5	261.202	95.50465
B 249.678	2551.21	ppb	27.8429	1.1	23720.6	102.04829
Ba 389.178	4951.72	ppb	16.6902	0.3	118499	99.03445
Be 313.042	490.671	ppb	1.5071	0.3	949461	98.13429
Ca 370.602	4951	ppb	12.61	0.3	15841	99.01957
Cd 226.502	496.203	ppb	1.7987	0.4	17688.7	99.24064
Co 228.615	499.743	ppb	1.5952	0.3	5737.91	99.94868
Cr 267.716	4910.53	ppb	17.6987	0.4	205267	98.21062
Cu 324.754	4982.66	ppb	65.0122	1.3	240645	99.65321
Fe 271.441	5004.81	ppb	18.8824	0.4	8511.98	100.09618
K 766.491	9930.13	ppb	195.980	2.0	487585	99.30132
Mg 279.078	4974.03	ppb	17.1905	0.3	10074.6	99.48065
Mn 257.610	5019.23	ppb	11.8538	0.2	1138256	100.38465
Mo 202.032	487.229	ppb	1.4575	0.3	3152.34	97.44578
Na 330.237	7458.70	ppb	127.089	1.7	351.375	99.44929
Ni 231.604	2492.24	ppb	11.6439	0.5	5892.10	99.68957
Pb 220.353	495.527	ppb	3.2393	0.7	799.597	99.10538
Sb 206.834	921.254	ppb	5.9562	0.6	926.036	92.12540
Se 196.026	4897.50	ppb	22.2844	0.5	2246.01	97.95009
Sn 189.925	5003.04	ppb	35.4398	0.7	3784.11	100.06072
Sr 216.596	2449.03	ppb	8.2271	0.3	23027.2	97.96117
Ti 334.941	493.204	ppb	1.8657	0.4	125773	98.64088
Tl 190.794	4961.16	ppb	4.9840	0.1	3271.14	99.22318
V 292.401	4950.94	ppb	17.5678	0.4	135780	99.01882
Zn 206.200	2494.38	ppb	4.1774	0.2	3772.86	99.77525

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Cont Calib Blank (CCB) 3/28/2013, 11:55:15 AM Rack 4, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5806u	-1.7878u	-0.8841u
Al 308.215	1.3968	-0.1327u	-0.0097u
As 188.980	-4.7115u	-1.0915u	-4.3118u
B 249.678	34.1382	28.1891	22.8341
Ba 389.178	-0.0177u	-0.1547u	-0.8741u
Be 313.042	-0.0382u	-0.0370u	-0.0326u
Ca 370.602	-1.447u	4.528	0.9848
Cd 226.502	-0.1508u	-0.1727u	-0.0110u
Co 228.615	-0.0615u	-0.4425u	-0.3406u
Cr 267.716	0.0442	-0.1143u	-0.1447u
Cu 324.754	-0.2877u	-0.2973u	-0.4921u
Fe 271.441	3.1771	-4.4130u	2.2964
K 766.491	-0.4573u	-1.5919u	-0.6927u
Mg 279.078	0.5447	5.8129	-1.0356u
Mn 257.610	-0.1777u	-0.1418u	-0.1392u
Mo 202.032	-0.1568u	0.0638	0.2869
Na 330.237	-36.5521u	-148.810u	160.397
Ni 231.604	-0.4561u	0.2131	-1.3844u
Pb 220.353	-1.5196u	-1.3778u	2.9641
Sb 206.834	6.1261	-0.5409u	4.0564
Se 196.026	10.2189	2.3202	-7.2191u
Sn 189.925	-2.2473u	1.2280	-0.6955u
Sr 216.596	-0.5218u	0.8346	-0.2238u
Ti 334.941	-0.0286u	-0.1133u	-0.0931u
Tl 190.794	2.1248	5.6189	0.9010
V 292.401	0.1882	-0.1179u	0.0044
Zn 206.200	0.6955	-0.1169u	-0.1613u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-1.0841	ppb	0.6280	57.9	-107.782	-1.08414
Al 308.215	0.4181	ppb	0.8498	203.2	246.136	0.41814
As 188.980	-3.3716	ppb	1.9847	58.9	0.2404	-3.37158
B 249.678	28.3871	ppb	5.6547	19.9	618.388	28.38711
Ba 389.178	-0.3488	ppb	0.4600	131.9	-26.7176	-0.34882
Be 313.042	-0.0359	ppb	0.0029	8.1	-242.214	-0.03592
Ca 370.602	1.355	ppb	3.005	221.7	0.4910	1.35526
Cd 226.502	-0.1115	ppb	0.0877	78.7	9.0340	-0.11151
Co 228.615	-0.2815	ppb	0.1972	70.1	10.4547	-0.28153
Cr 267.716	-0.0716	ppb	0.1014	141.6	6.4066	-0.07161
Cu 324.754	-0.3590	ppb	0.1153	32.1	90.4333	-0.35904
Fe 271.441	0.3535	ppb	4.1513	1174.3	3.0604	0.35351
K 766.491	-0.9140	ppb	0.5988	65.5	180.417	-0.91399
Mg 279.078	1.7740	ppb	3.5860	202.1	25.4196	1.77400
Mn 257.610	-0.1529	ppb	0.0215	14.1	37.0069	-0.15290
Mo 202.032	0.0646	ppb	0.2219	343.3	15.6958	0.06462
Na 330.237	-8.3216	ppb	156.524	1880.9	-4.2247	-8.32165
Ni 231.604	-0.5425	ppb	0.8023	147.9	-0.3324	-0.54247
Pb 220.353	0.0222	ppb	2.5487	11470.8	2.5112	0.02222
Sb 206.834	3.2139	ppb	3.4124	106.2	4.3542	3.21386
Se 196.026	1.7733	ppb	8.7318	492.4	0.9801	1.77332
Sn 189.925	-0.5716	ppb	1.7410	304.6	0.3817	-0.57159
Sr 216.596	0.0297	ppb	0.7128	2402.3	10.7708	0.02967
Ti 334.941	-0.0783	ppb	0.0442	56.5	-50.0431	-0.07831
Tl 190.794	2.8816	ppb	2.4483	85.0	1.6434	2.88158
V 292.401	0.0249	ppb	0.1540	619.1	-5.0203	0.02488
Zn 206.200	0.1391	ppb	0.4824	346.8	2.9723	0.13909

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

200-15653-a-1-aSD^5 (Samp) 3/28/2013, 12:00:44 PM Rack 4, Tube 39**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1179u	-0.7308u	-0.7495u
Al 308.215	294.420	295.320	293.125
As 188.980	-7.4201u	2.2143	-0.6221u
B 249.678	29.3851	27.8330	27.5102
Ba 389.178	11.8034	11.5586	11.1692
Be 313.042	-0.0018u	0.0044u	-0.0046u
Ca 370.602	10642	10637	10697
Cd 226.502	0.2452	-0.1256	-0.1673
Co 228.615	1.0118	1.9164	1.8747
Cr 267.716	100.861	100.788	102.026
Cu 324.754	82.5904	82.3432	82.7008
Fe 271.441	22076.6	21959.7	22084.1
K 766.491	3990.63	3978.25	4004.75
Mg 279.078	7926.51	7928.43	7968.43
Mn 257.610	105.529	105.325	105.797
Mo 202.032	1.2753	3.1614	1.7877
Na 330.237	646251x	644648x	647421x
Ni 231.604	51.8392	54.0783	59.4701
Pb 220.353	7.7361	3.1876	3.1378
Sb 206.834	7.1036	1.1188	0.6507
Se 196.026	7.9012	5.1041	1.6947
Sn 189.925	8.0134	1.9742	2.7489
Sr 216.596	31.7588	32.1806	32.1180
Ti 334.941	9.9916	9.9971	10.0868
Tl 190.794	0.8092u	-1.0980u	-0.3655u
V 292.401	2.3412	2.2554	2.7672
Zn 206.200	2894.61	2889.24	2895.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5327b	ppb	0.3594	67.5	-70.3856
Al 308.215	294.288b	ppb	1.1032	0.4	1928.96
As 188.980	-1.9427b	ppb	4.9511	254.9	0.8969
B 249.678	28.2428b	ppb	1.0024	3.5	596.876
Ba 389.178	11.5104b	ppb	0.3198	2.8	310.845
Be 313.042	-0.0007b	ppb	0.0046	678.0	-249.638
Ca 370.602	10659b	ppb	33.56	0.3	32582
Cd 226.502	-0.0159b	ppb	0.2271	1427.6	60.3172
Co 228.615	1.6010b	ppb	0.5107	31.9	31.7467
Cr 267.716	101.225b	ppb	0.6945	0.7	4256.16
Cu 324.754	82.5448b	ppb	0.1831	0.2	4099.53
Fe 271.441	22040.1b	ppb	69.7113	0.3	36942.4
K 766.491	3991.21b	ppb	13.2579	0.3	196109
Mg 279.078	7941.13b	ppb	23.6675	0.3	16198.2
Mn 257.610	105.550b	ppb	0.2371	0.2	24105.4
Mo 202.032	2.0748b	ppb	0.9753	47.0	27.6835
Na 330.237	646107xb	ppb	1392.26	0.2	32778.0
Ni 231.604	55.1292b	ppb	3.9225	7.1	131.677
Pb 220.353	4.6871b	ppb	2.6406	56.3	10.0243
Sb 206.834	2.9577b	ppb	3.5981	121.6	5.5235
Se 196.026	4.9000b	ppb	3.1083	63.4	2.4975
Sn 189.925	4.2455b	ppb	3.2860	77.4	4.2406
Sr 216.596	32.0191b	ppb	0.2276	0.7	320.018
Ti 334.941	10.0252b	ppb	0.0535	0.5	2514.85
Tl 190.794	-0.2181b	ppb	0.9621	441.1	-1.2539
V 292.401	2.4546b	ppb	0.2741	11.2	50.0193
Zn 206.200	2893.06b	ppb	3.3354	0.1	4392.27

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200-15653-a-1-aPDS (Samp) **3/28/2013, 12:06:12 PM** **Rack 4, Tube 40****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	56.7547	56.8863	56.5090
Al 308.215	3480.25	3489.17	3485.07
As 188.980	2439.39	2455.57	2476.18
B 249.678	1320.06	1332.96	1336.69
Ba 389.178	2119.48	2125.00	2119.60
Be 313.042	52.4389	52.6449	52.5577
Ca 370.602	54009	54176	54156
Cd 226.502	54.2599	53.8276	54.0972
Co 228.615	525.097	522.545	524.068
Cr 267.716	666.138	670.380	667.767
Cu 324.754	650.362	656.835	651.229
Fe 271.441	100696	100934	100721
K 766.491	35797.1	35789.3	35746.9
Mg 279.078	41561.9	41696.1	41685.2
Mn 257.610	1005.80	1007.92	1006.50
Mo 202.032	529.431	533.244	531.451
Na 330.237	2977902x	2973644x	2976963x
Ni 231.604	762.304	775.687	766.398
Pb 220.353	543.462	543.825	545.865
Sb 206.834	564.731	562.604	565.008
Se 196.026	2321.04	2337.04	2348.62
Sn 189.925	1063.34	1068.91	1069.75
Sr 216.596	681.177	683.683	682.625
Ti 334.941	1054.68	1060.88	1061.41
Tl 190.794	1977.03	1969.84	1982.13
V 292.401	528.300	528.497	528.245
Zn 206.200	13927.8	13914.9	13964.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.7167b	ppb	0.1915	0.3	3909.26
Al 308.215	3484.83b	ppb	4.4645	0.1	20257.5
As 188.980	2457.05b	ppb	18.4391	0.8	1335.41
B 249.678	1329.90b	ppb	8.7236	0.7	12446.8
Ba 389.178	2121.36b	ppb	3.1532	0.1	51005.1
Be 313.042	52.5471b	ppb	0.1034	0.2	101102
Ca 370.602	54114b	ppb	91.21	0.2	166557
Cd 226.502	54.0616b	ppb	0.2183	0.4	2156.47
Co 228.615	523.903b	ppb	1.2839	0.2	6013.10
Cr 267.716	668.095b	ppb	2.1401	0.3	28007.1
Cu 324.754	652.809b	ppb	3.5138	0.5	31664.6
Fe 271.441	100784b	ppb	130.568	0.1	169002
K 766.491	35777.8b	ppb	27.0516	0.1	1756160
Mg 279.078	41647.7b	ppb	74.5390	0.2	84849.7
Mn 257.610	1006.74b	ppb	1.0790	0.1	228841
Mo 202.032	531.375b	ppb	1.9074	0.4	3440.51
Na 330.237	2976170xb	ppb	2236.78	0.1	150988
Ni 231.604	768.130b	ppb	6.8578	0.9	1818.52
Pb 220.353	544.384b	ppb	1.2956	0.2	877.024
Sb 206.834	564.114b	ppb	1.3152	0.2	542.252
Se 196.026	2335.57b	ppb	13.8473	0.6	1071.14
Sn 189.925	1067.33b	ppb	3.4837	0.3	808.930
Sr 216.596	682.495b	ppb	1.2582	0.2	6451.34
Ti 334.941	1058.99b	ppb	3.7438	0.4	270013
Tl 190.794	1976.33b	ppb	6.1792	0.3	1300.07
V 292.401	528.347b	ppb	0.1322	0.0	14373.2
Zn 206.200	13935.7b	ppb	25.7146	0.2	21146.2

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200-15653-a-2-a (Samp) **3/28/2013, 12:11:41 PM** **Rack 4, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.9044	2.7999	2.7380
Al 308.215	18110.4	18113.1	18150.8
As 188.980	20.0466	29.9024	24.7551
B 249.678	1259.88	1265.51	1275.55
Ba 389.178	372.125	372.289	372.271
Be 313.042	0.5058	0.5035	0.5037
Ca 370.602	88885	88990	89215
Cd 226.502	3.7465	3.9666	3.8919
Co 228.615	34.3568	35.0655	34.6223
Cr 267.716	1012.40	1014.03	1018.77
Cu 324.754	1369.31	1368.28	1367.63
Fe 271.441	190767	190372	190673
K 766.491	26946.4	26981.0	26994.6
Mg 279.078	29865.2	29903.1	29967.5
Mn 257.610	1658.47	1656.94	1660.72
Mo 202.032	46.1283	47.3478	45.9554
Na 330.237	2534598x	2513294x	2516989x
Ni 231.604	1054.72	1065.49	1065.20
Pb 220.353	107.815	108.522	114.026
Sb 206.834	25.2875	29.3030	37.7976
Se 196.026	14.7269	10.3675	10.4289
Sn 189.925	102.152	104.604	107.159
Sr 216.596	284.665	285.928	285.727
Ti 334.941	746.336	750.105	749.943
Tl 190.794	3.7797u	2.2499u	10.6214u
V 292.401	50.4447	49.6667	49.9912
Zn 206.200	47927.0x	47975.7x	48044.2x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8141b	ppb	0.0841	3.0	158.728
Al 308.215	18124.8b	ppb	22.6194	0.1	104022
As 188.980	24.9014b	ppb	4.9295	19.8	14.5254
B 249.678	1266.98b	ppb	7.9361	0.6	11788.2
Ba 389.178	372.228b	ppb	0.0898	0.0	9249.07
Be 313.042	0.5043b	ppb	0.0013	0.3	520.291
Ca 370.602	89030b	ppb	168.8	0.2	271784
Cd 226.502	3.8683b	ppb	0.1119	2.9	581.082
Co 228.615	34.6815b	ppb	0.3581	1.0	424.782
Cr 267.716	1015.07b	ppb	3.3069	0.3	42529.2
Cu 324.754	1368.41b	ppb	0.8440	0.1	66232.1
Fe 271.441	190604b	ppb	206.068	0.1	319464
K 766.491	26974.0b	ppb	24.8531	0.1	1324081
Mg 279.078	29911.9b	ppb	51.7245	0.2	60948.1
Mn 257.610	1658.71b	ppb	1.9020	0.1	376859
Mo 202.032	46.4772b	ppb	0.7589	1.6	306.727
Na 330.237	2521627xb	ppb	11384.0	0.5	127631
Ni 231.604	1061.80b	ppb	6.1385	0.6	2514.41
Pb 220.353	110.121b	ppb	3.4004	3.1	179.208
Sb 206.834	30.7960b	ppb	6.3873	20.7	43.8932
Se 196.026	11.8411b	ppb	2.4993	21.1	6.4938
Sn 189.925	104.639b	ppb	2.5039	2.4	80.7978
Sr 216.596	285.440b	ppb	0.6789	0.2	2758.04
Ti 334.941	748.795b	ppb	2.1310	0.3	190898
Tl 190.794	5.5503b	ppb	4.4578	80.3	-4.6668
V 292.401	50.0342b	ppb	0.3908	0.8	1289.96
Zn 206.200	47982.3xb	ppb	58.8775	0.1	72805.5

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mb 680-270787/1-a (Samp) 3/28/2013, 12:17:09 PM Rack 4, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3597u	-0.6848u	-0.3665u
Al 308.215	4.2979	5.6342	1.4600
As 188.980	-4.4729u	-9.6512u	-7.8163u
B 249.678	0.0865	-2.4182u	-4.8831u
Ba 389.178	-0.9928u	-0.8180u	0.0316
Be 313.042	-0.0388u	-0.0389u	-0.0374u
Ca 370.602	17.32	15.09	12.08
Cd 226.502	-0.0736u	-0.2698u	0.0620
Co 228.615	0.3642	-0.9389u	-0.2437u
Cr 267.716	0.3790	0.2384	-0.0244u
Cu 324.754	-0.1536u	0.1698	-0.1578u
Fe 271.441	16.8658	10.7852	12.1696
K 766.491	26.0311	26.5430	26.1235
Mg 279.078	8.5903	7.2157	3.8683
Mn 257.610	-0.0315u	0.0439	-0.0154u
Mo 202.032	-0.8535u	-0.8381u	-1.2047u
Na 330.237	7.4820	326.510	96.2532
Ni 231.604	0.7272	0.7148	0.7605
Pb 220.353	4.0709	-0.7553u	-1.5543u
Sb 206.834	-3.1287u	0.7131	-3.1581u
Se 196.026	1.8379	-5.6022u	-8.6882u
Sn 189.925	10.3412	12.3516	11.7577
Sr 216.596	-0.5455u	-0.4016u	-0.1143u
Ti 334.941	0.3009	0.3168	0.2651
Tl 190.794	7.2758	-0.9338u	-1.6067u
V 292.401	-0.2025u	-0.0288u	0.2502
Zn 206.200	0.5713	0.4965	0.9384

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4703	ppb	0.1858	39.5	-64.8678
Al 308.215	3.7974	ppb	2.1316	56.1	265.340
As 188.980	-7.3135	ppb	2.6255	35.9	-1.8994
B 249.678	-2.4049	ppb	2.4848	103.3	336.349
Ba 389.178	-0.5931	ppb	0.5480	92.4	-32.5372
Be 313.042	-0.0384	ppb	0.0008	2.2	-246.841
Ca 370.602	14.83	ppb	2.633	17.8	43.06
Cd 226.502	-0.0938	ppb	0.1668	177.8	9.6920
Co 228.615	-0.2728	ppb	0.6520	239.0	10.5910
Cr 267.716	0.1977	ppb	0.2048	103.6	17.6696
Cu 324.754	-0.0472	ppb	0.1879	398.4	105.465
Fe 271.441	13.2735	ppb	3.1871	24.0	24.7113
K 766.491	26.2325	ppb	0.2728	1.0	1512.74
Mg 279.078	6.5581	ppb	2.4287	37.0	35.1623
Mn 257.610	-0.0010	ppb	0.0397	3929.8	71.5081
Mo 202.032	-0.9654	ppb	0.2074	21.5	9.0450
Na 330.237	143.415	ppb	164.660	114.8	3.4687
Ni 231.604	0.7342	ppb	0.0236	3.2	2.6855
Pb 220.353	0.5871	ppb	3.0434	518.4	3.4211
Sb 206.834	-1.8579	ppb	2.2266	119.8	-0.4684
Se 196.026	-4.1508	ppb	5.4111	130.4	-1.7350
Sn 189.925	11.4835	ppb	1.0329	9.0	9.4978
Sr 216.596	-0.3538	ppb	0.2195	62.0	7.1845
Ti 334.941	0.2943	ppb	0.0265	9.0	44.9835
Tl 190.794	1.5784	ppb	4.9455	313.3	0.7830
V 292.401	0.0063	ppb	0.2284	3622.7	-5.3414
Zn 206.200	0.6688	ppb	0.2365	35.4	3.7747

ics 680-270787/2-a (Samp) 3/28/2013, 12:22:38 PM Rack 4, Tube 43
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	57.6033	57.3151	57.0043
Al 308.215	5015.46	5042.03	5015.10
As 188.980	101.967	98.8372	99.5163
B 249.678	177.181	182.541	182.857
Ba 389.178	103.258	103.499	102.462
Be 313.042	51.3289	51.6531	51.4310
Ca 370.602	4949	4979	4954
Cd 226.502	52.0785	52.5365	52.0989
Co 228.615	51.6265	51.8637	51.9061
Cr 267.716	101.388	102.043	101.363
Cu 324.754	102.005	100.406	101.005
Fe 271.441	5089.81	5113.46	5070.04
K 766.491	5151.60	5169.89	5123.73
Mg 279.078	5095.57	5123.27	5107.92
Mn 257.610	525.815	529.065	525.960
Mo 202.032	97.1508	98.3151	98.2694
Na 330.237	4736.86	5167.18	4839.80
Ni 231.604	100.848	103.557	102.755
Pb 220.353	52.9713	49.9942	49.2759
Sb 206.834	50.0820	48.3192	50.3860
Se 196.026	99.2156	107.505	105.353
Sn 189.925	211.515	213.893	216.158
Sr 216.596	101.356	103.245	102.484
Ti 334.941	100.770	101.449	101.246
Tl 190.794	36.2719	42.5903	41.6701
V 292.401	100.694	101.867	101.225
Zn 206.200	102.687	101.048	102.489

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	57.3076	ppb	0.2996	0.5	3971.86
Al 308.215	5024.19	ppb	15.4468	0.3	29020.8
As 188.980	100.107	ppb	1.6462	1.6	56.3883
B 249.678	180.860	ppb	3.1898	1.8	2010.24
Ba 389.178	103.073	ppb	0.5425	0.5	2469.89
Be 313.042	51.4710	ppb	0.1657	0.3	99452.3
Ca 370.602	4961	ppb	16.33	0.3	15622
Cd 226.502	52.2380	ppb	0.2587	0.5	1884.47
Co 228.615	51.7987	ppb	0.1507	0.3	605.444
Cr 267.716	101.598	ppb	0.3854	0.4	4258.69
Cu 324.754	101.139	ppb	0.8076	0.8	4994.01
Fe 271.441	5091.10	ppb	21.7365	0.4	8544.11
K 766.491	5148.41	ppb	23.2420	0.5	252904
Mg 279.078	5108.92	ppb	13.8762	0.3	10418.8
Mn 257.610	526.946	ppb	1.8358	0.3	119602
Mo 202.032	97.9118	ppb	0.6595	0.7	647.011
Na 330.237	4914.62	ppb	224.705	4.6	242.727
Ni 231.604	102.387	ppb	1.3913	1.4	243.064
Pb 220.353	50.7472	ppb	1.9594	3.9	83.9437
Sb 206.834	49.5958	ppb	1.1159	2.3	48.8841
Se 196.026	104.024	ppb	4.3013	4.1	47.9795
Sn 189.925	213.856	ppb	2.3219	1.1	162.535
Sr 216.596	102.362	ppb	0.9505	0.9	972.267
Ti 334.941	101.155	ppb	0.3486	0.3	25789.0
Tl 190.794	40.1774	ppb	3.4134	8.5	25.6023
V 292.401	101.262	ppb	0.5870	0.6	2755.55
Zn 206.200	102.075	ppb	0.8943	0.8	157.374

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

ics 680-270787/3-a (Samp) 3/28/2013, 12:28:07 PM Rack 4, Tube 44
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	213.696	211.721	212.747
Al 308.215	2018.41	2031.97	2039.22
As 188.980	205.053	218.537	209.633
B 249.678	384.346	391.131	395.322
Ba 389.178	201.792	203.045	203.331
Be 313.042	205.721	207.103	207.883
Ca 370.602	19972	20135	20215
Cd 226.502	200.824	203.113	203.393
Co 228.615	203.764	204.233	205.873
Cr 267.716	201.995	203.397	204.713
Cu 324.754	206.741	205.779	206.025
Fe 271.441	21147.1	21323.5	21384.6
K 766.491	20095.4	20196.8	20180.7
Mg 279.078	20437.5	20570.0	20642.6
Mn 257.610	2104.91	2122.33	2129.94
Mo 202.032	199.128	202.839	204.846
Na 330.237	17920.6	17667.3	17976.6
Ni 231.604	202.425	201.799	206.231
Pb 220.353	203.705	206.779	205.599
Sb 206.834	194.074	195.246	191.050
Se 196.026	210.420	201.438	206.497
Sn 189.925	214.501	208.567	218.580
Sr 216.596	214.124	215.575	217.972
Ti 334.941	204.515	205.935	206.857
Tl 190.794	42.2960	53.5202	43.6755
V 292.401	204.309	205.431	205.665
Zn 206.200	195.046	196.075	197.912

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	212.721	ppb	0.9875	0.5	14836.7
Al 308.215	2029.86	ppb	10.5612	0.5	11888.8
As 188.980	211.074	ppb	6.8565	3.2	116.576
B 249.678	390.266	ppb	5.5386	1.4	3913.35
Ba 389.178	202.723	ppb	0.8186	0.4	4920.44
Be 313.042	206.902	ppb	1.0952	0.5	400335
Ca 370.602	20107	ppb	123.9	0.6	63233
Cd 226.502	202.443	ppb	1.4093	0.7	7269.40
Co 228.615	204.624	ppb	1.1074	0.5	2352.31
Cr 267.716	203.368	ppb	1.3593	0.7	8520.73
Cu 324.754	206.182	ppb	0.4997	0.2	10072.1
Fe 271.441	21285.0	ppb	123.351	0.6	35709.6
K 766.491	20157.6	ppb	54.4640	0.3	989540
Mg 279.078	20550.0	ppb	103.981	0.5	41847.9
Mn 257.610	2119.06	ppb	12.8310	0.6	480751
Mo 202.032	202.271	ppb	2.9010	1.4	1319.86
Na 330.237	17854.8	ppb	164.811	0.9	893.523
Ni 231.604	203.485	ppb	2.3986	1.2	482.339
Pb 220.353	205.361	ppb	1.5506	0.8	332.835
Sb 206.834	193.457	ppb	2.1651	1.1	187.423
Se 196.026	206.118	ppb	4.5027	2.2	95.1809
Sn 189.925	213.883	ppb	5.0351	2.4	162.565
Sr 216.596	215.890	ppb	1.9435	0.9	2043.91
Ti 334.941	205.769	ppb	1.1797	0.6	52532.7
Tl 190.794	46.4972	ppb	6.1211	13.2	27.7408
V 292.401	205.135	ppb	0.7249	0.4	5587.56
Zn 206.200	196.345	ppb	1.4519	0.7	309.221

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-24-d (Samp) 3/28/2013, 12:33:35 PM Rack 4, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1761u	-1.3247u	-0.7369u
Al 308.215	69914.6	69970.9	70031.7
As 188.980	11.6811	17.3480	10.2842
B 249.678	-13.4253u	-14.3170u	-15.1900u
Ba 389.178	248.387	248.068	247.951
Be 313.042	0.9856	0.9735	0.9686
Ca 370.602	10099	10097	10121
Cd 226.502	0.0576	-0.0007	-0.1799
Co 228.615	4.5223	4.6415	4.5331
Cr 267.716	71.1892	71.2423	71.5666
Cu 324.754	57.9099	55.0146	57.7754
Fe 271.441	42351.9	42465.4	42443.0
K 766.491	2882.05	2867.51	2865.51
Mg 279.078	2063.06	2070.83	2062.86
Mn 257.610	391.446	392.064	392.493
Mo 202.032	2.3212	3.0551	2.9410
Na 330.237	299.366u	347.585u	217.941u
Ni 231.604	18.8677	18.9164	19.8967
Pb 220.353	291.672	298.132	294.423
Sb 206.834	-2.6813u	-0.7019	5.9047
Se 196.026	-7.4217u	-2.3431u	-8.1581u
Sn 189.925	71.5850	72.3186	70.4990
Sr 216.596	40.7763	42.1580	41.8955
Ti 334.941	544.865	543.568	545.147
Tl 190.794	2.1717u	-0.0277u	6.7878
V 292.401	133.216	133.613	133.139
Zn 206.200	150.130	152.280	150.610

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7459	ppb	0.5743	77.0	-83.3289
Al 308.215	69972.4	ppb	58.5929	0.1	400867
As 188.980	13.1044	ppb	3.7408	28.5	8.8791
B 249.678	-14.3108	ppb	0.8824	6.2	188.378
Ba 389.178	248.135	ppb	0.2258	0.1	5987.20
Be 313.042	0.9759	ppb	0.0088	0.9	1720.56
Ca 370.602	10106	ppb	13.14	0.1	29213
Cd 226.502	-0.0410	ppb	0.1238	302.0	110.473
Co 228.615	4.5656	ppb	0.0659	1.4	78.5556
Cr 267.716	71.3327	ppb	0.2043	0.3	3002.05
Cu 324.754	56.8999	ppb	1.6342	2.9	2865.95
Fe 271.441	42420.1	ppb	60.1068	0.1	71100.9
K 766.491	2871.69	ppb	9.0251	0.3	141165
Mg 279.078	2065.58	ppb	4.5423	0.2	4210.20
Mn 257.610	392.001	ppb	0.5265	0.1	89086.3
Mo 202.032	2.7724	ppb	0.3949	14.2	31.0506
Na 330.237	288.297	ppb	65.5269	22.7	-7.0588
Ni 231.604	19.2269	ppb	0.5805	3.0	47.2173
Pb 220.353	294.742	ppb	3.2419	1.1	475.224
Sb 206.834	0.8405	ppb	4.4960	534.9	3.6824
Se 196.026	-5.9743	ppb	3.1662	53.0	-2.3653
Sn 189.925	71.4675	ppb	0.9155	1.3	54.8607
Sr 216.596	41.6099	ppb	0.7338	1.8	418.228
Ti 334.941	544.527	ppb	0.8421	0.2	138858
Tl 190.794	2.9773	ppb	3.4784	116.8	-0.0719
V 292.401	133.323	ppb	0.2540	0.2	3664.67
Zn 206.200	151.007	ppb	1.1286	0.7	231.737

E03272013.wvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-24-e ms (Samp) 3/28/2013, 12:39:04 PM Rack 4, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.3169	9.9418	9.5259
Al 308.215	84424.5	84301.4	84342.4
As 188.980	111.350	107.843	103.281
B 249.678	127.292	127.813	128.824
Ba 389.178	395.512	396.129	396.863
Be 313.042	51.3678	51.1735	51.1835
Ca 370.602	17907	17835	17866
Cd 226.502	50.9465	50.7732	51.1631
Co 228.615	55.7827	55.2876	55.6619
Cr 267.716	173.456	172.503	173.675
Cu 324.754	168.509	170.961	166.321
Fe 271.441	49691.3	49625.4	49646.7
K 766.491	7944.70	7934.99	7900.32
Mg 279.078	7564.71	7557.71	7562.61
Mn 257.610	933.779	932.538	932.958
Mo 202.032	95.8600	94.5662	95.4783
Na 330.237	4989.44	4675.83	5109.58
Ni 231.604	117.075	117.308	119.474
Pb 220.353	828.170	830.794	831.326
Sb 206.834	26.6508	24.0000	21.6160
Se 196.026	88.5795	99.9095	89.1629
Sn 189.925	276.839	281.791	276.771
Sr 216.596	148.351	147.976	146.631
Ti 334.941	555.012	551.297	550.846
Tl 190.794	47.5355	50.6164	42.0688
V 292.401	230.992	230.883	230.625
Zn 206.200	321.577	321.354	326.171

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9282	ppb	0.3957	4.0	661.002
Al 308.215	84356.1	ppb	62.6908	0.1	483231
As 188.980	107.491	ppb	4.0464	3.8	60.0937
B 249.678	127.976	ppb	0.7788	0.6	1484.98
Ba 389.178	396.168	ppb	0.6764	0.2	9555.40
Be 313.042	51.2416	ppb	0.1094	0.2	99014.8
Ca 370.602	17869	ppb	36.16	0.2	53692
Cd 226.502	50.9609	ppb	0.1953	0.4	1942.94
Co 228.615	55.5774	ppb	0.2581	0.5	659.021
Cr 267.716	173.211	ppb	0.6234	0.4	7263.52
Cu 324.754	168.597	ppb	2.3215	1.4	8262.48
Fe 271.441	49654.5	ppb	33.6717	0.1	83234.4
K 766.491	7926.67	ppb	23.3287	0.3	389258
Mg 279.078	7561.68	ppb	3.5893	0.0	15393.2
Mn 257.610	933.092	ppb	0.6312	0.1	211832
Mo 202.032	95.3015	ppb	0.6648	0.7	627.941
Na 330.237	4924.95	ppb	223.947	4.5	224.923
Ni 231.604	117.952	ppb	1.3231	1.1	280.721
Pb 220.353	830.097	ppb	1.6896	0.2	1336.23
Sb 206.834	24.0890	ppb	2.5186	10.5	26.2127
Se 196.026	92.5506	ppb	6.3797	6.9	42.9353
Sn 189.925	278.467	ppb	2.8790	1.0	211.398
Sr 216.596	147.653	ppb	0.9040	0.6	1415.88
Ti 334.941	552.385	ppb	2.2866	0.4	140885
Tl 190.794	46.7403	ppb	4.3289	9.3	28.0689
V 292.401	230.833	ppb	0.1885	0.1	6322.11
Zn 206.200	323.034	ppb	2.7191	0.8	492.513

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

680-88580-a-24-f msd (Samp) 3/28/2013, 12:44:33 PM Rack 4, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.9035	10.9176	11.1854
Al 308.215	98408.9	99180.6	99389.4
As 188.980	109.488	108.851	109.429
B 249.678	123.337	125.322	125.598
Ba 389.178	397.810	400.636	399.053
Be 313.042	53.2730	53.6160	53.4597
Ca 370.602	14430	14544	14484
Cd 226.502	51.4736	52.0567	52.0798
Co 228.615	58.6570	59.4393	59.3436
Cr 267.716	181.878	182.328	181.614
Cu 324.754	178.888	182.411	176.906
Fe 271.441	52941.4	53315.0	53228.5
K 766.491	8172.21	8232.83	8190.72
Mg 279.078	7985.88	8045.55	8027.92
Mn 257.610	852.413	858.609	856.633
Mo 202.032	99.8438	99.3092	99.8195
Na 330.237	5031.65	5150.85	5262.97
Ni 231.604	122.088	125.133	121.768
Pb 220.353	387.214	387.282	390.294
Sb 206.834	33.2497	24.1356	32.0837
Se 196.026	92.3498	90.2870	90.5136
Sn 189.925	237.446	235.813	231.494
Sr 216.596	149.251	148.982	149.828
Ti 334.941	609.413	614.281	609.804
Tl 190.794	40.8625	35.7845	41.0252
V 292.401	261.259	262.845	261.743
Zn 206.200	232.947	232.835	232.858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.0022	ppb	0.1589	1.4	735.934
Al 308.215	98993.0	ppb	516.477	0.5	567034
As 188.980	109.256	ppb	0.3521	0.3	60.9940
B 249.678	124.752	ppb	1.2336	1.0	1452.20
Ba 389.178	399.167	ppb	1.4163	0.4	9633.66
Be 313.042	53.4496	ppb	0.1717	0.3	103288
Ca 370.602	14486	ppb	57.28	0.4	42487
Cd 226.502	51.8700	ppb	0.3435	0.7	1983.54
Co 228.615	59.1466	ppb	0.4267	0.7	701.134
Cr 267.716	181.940	ppb	0.3610	0.2	7628.83
Cu 324.754	179.402	ppb	2.7883	1.6	8784.98
Fe 271.441	53161.6	ppb	195.584	0.4	89113.1
K 766.491	8198.59	ppb	31.0625	0.4	402603
Mg 279.078	8019.78	ppb	30.6549	0.4	16323.9
Mn 257.610	855.885	ppb	3.1649	0.4	194336
Mo 202.032	99.6575	ppb	0.3019	0.3	655.854
Na 330.237	5148.49	ppb	115.674	2.2	235.442
Ni 231.604	122.996	ppb	1.8577	1.5	292.714
Pb 220.353	388.263	ppb	1.7593	0.5	625.093
Sb 206.834	29.8230	ppb	4.9598	16.6	31.8047
Se 196.026	91.0501	ppb	1.1312	1.2	42.2396
Sn 189.925	234.918	ppb	3.0755	1.3	178.465
Sr 216.596	149.354	ppb	0.4320	0.3	1432.67
Ti 334.941	611.166	ppb	2.7049	0.4	155879
Tl 190.794	39.2241	ppb	2.9798	7.6	23.0721
V 292.401	261.949	ppb	0.8128	0.3	7177.53
Zn 206.200	232.880	ppb	0.0590	0.01	355.666

460-52563-c-1-g (Samp) 3/28/2013, 12:50:01 PM Rack 4, Tube 48

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.2545	10.3836	9.3027
Al 308.215	30613.4	30696.1	30683.8
As 188.980	5.0805	18.1016	7.3466
B 249.678	-9.8095u	-8.6938u	-8.8523u
Ba 389.178	1616.23	1620.58	1619.57
Be 313.042	1.0946	1.0918	1.0954
Ca 370.602	47640	47660	47600
Cd 226.502	3.4327	3.3707	3.5490
Co 228.615	13.0165	12.9903	13.4043
Cr 267.716	145.347	145.907	145.446
Cu 324.754	1072.41	1074.96	1093.45
Fe 271.441	90849.3	90993.7	91245.2
K 766.491	3258.52	3268.19	3270.31
Mg 279.078	11897.8	11903.8	11926.7
Mn 257.610	1632.91	1633.04	1636.02
Mo 202.032	27.8729	27.9929	27.6609
Na 330.237	1544.81	1237.75	1640.40
Ni 231.604	54.3588	55.2914	54.3739
Pb 220.353	263.782	261.022	264.837
Sb 206.834	2.8472	7.2802	8.7697
Se 196.026	9.0381	15.9069	4.3830
Sn 189.925	83.9708	82.4679	78.2621
Sr 216.596	363.368	363.109	363.133
Ti 334.941	260.633	261.079	259.354
Tl 190.794	10.0120	3.8106u	8.8181
V 292.401	40.6103	40.7698	40.3365
Zn 206.200	2743.47	2752.51	2756.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9803	ppb	0.5904	5.9	657.000
Al 308.215	30664.4	ppb	44.6093	0.1	175815
As 188.980	10.1763	ppb	6.9564	68.4	7.1232
B 249.678	-9.1185	ppb	0.6036	6.6	191.271
Ba 389.178	1618.79	ppb	2.2807	0.1	38881.8
Be 313.042	1.0939	ppb	0.0019	0.2	1955.88
Ca 370.602	47633	ppb	30.22	0.1	146295
Cd 226.502	3.4508	ppb	0.0905	2.6	348.324
Co 228.615	13.1370	ppb	0.2318	1.8	166.999
Cr 267.716	145.567	ppb	0.2985	0.2	6119.99
Cu 324.754	1080.27	ppb	11.4840	1.1	52291.6
Fe 271.441	91029.4	ppb	200.357	0.2	152571
K 766.491	3265.67	ppb	6.2861	0.2	160501
Mg 279.078	11909.5	ppb	15.2637	0.1	24260.6
Mn 257.610	1633.99	ppb	1.7576	0.1	370902
Mo 202.032	27.8422	ppb	0.1681	0.6	190.879
Na 330.237	1474.32	ppb	210.377	14.3	21.7597
Ni 231.604	54.6747	ppb	0.5341	1.0	131.909
Pb 220.353	263.213	ppb	1.9699	0.7	425.565
Sb 206.834	6.2990	ppb	3.0808	48.9	10.3337
Se 196.026	9.7760	ppb	5.7973	59.3	5.2705
Sn 189.925	81.5669	ppb	2.9590	3.6	62.5113
Sr 216.596	363.203	ppb	0.1431	0.0	3466.77
Ti 334.941	260.355	ppb	0.8955	0.3	66428.3
Tl 190.794	7.5469	ppb	3.2903	43.6	0.0508
V 292.401	40.5722	ppb	0.2191	0.5	1099.80
Zn 206.200	2750.81	ppb	6.6636	0.2	4176.56

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Verif (CCV) 3/28/2013, 12:55:30 PM Rack 4, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	515.169	509.938	509.399
Al 308.215	5101.33	5105.06	5117.17
As 188.980	488.053	489.172	484.354
B 249.678	2566.90	2580.67	2615.12
Ba 389.178	5044.40	5036.64	5050.52
Be 313.042	499.151	499.360	498.912
Ca 370.602	5040	5046	5054
Cd 226.502	502.036	502.768	505.580
Co 228.615	507.388	505.240	510.019
Cr 267.716	5006.24	4995.77	4991.29
Cu 324.754	5031.97	4974.72	5053.98
Fe 271.441	5075.66	5066.65	5097.79
K 766.491	9819.46	9820.73	9877.75
Mg 279.078	5063.01	5051.73	5053.96
Mn 257.610	5100.96	5100.11	5101.99
Mo 202.032	495.968	498.839	497.027
Na 330.237	7505.12	7635.21	7516.01
Ni 231.604	2536.10	2535.02	2536.03
Pb 220.353	503.791	500.635	502.915
Sb 206.834	945.902	934.541	945.659
Se 196.026	4997.75	4999.79	5020.30
Sn 189.925	5153.54	5124.00	5140.02
Sr 216.596	2505.63	2499.14	2492.31
Ti 334.941	504.688	504.948	503.874
Tl 190.794	5074.35	5034.90	5043.20
V 292.401	5018.56	5018.41	5034.60
Zn 206.200	2543.78	2525.30	2541.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	511.502	ppb	3.1869	0.6	35664.1	102.30042
Al 308.215	5107.85	ppb	8.2799	0.2	29465.0	102.15708
As 188.980	487.193	ppb	2.5215	0.5	266.450	97.43854
B 249.678	2587.56	ppb	24.8384	1.0	24053.5	103.50258
Ba 389.178	5043.85	ppb	6.9538	0.1	120704	100.87708
Be 313.042	499.141	ppb	0.2242	0.0	965854	99.82821
Ca 370.602	5047	ppb	7.130	0.1	16148	100.93519
Cd 226.502	503.461	ppb	1.8709	0.4	17947.2	100.69223
Co 228.615	507.549	ppb	2.3939	0.5	5827.28	101.50981
Cr 267.716	4997.76	ppb	7.6702	0.2	208913	99.95529
Cu 324.754	5020.22	ppb	40.9125	0.8	242458	100.40447
Fe 271.441	5080.03	ppb	16.0216	0.3	8640.11	101.60069
K 766.491	9839.31	ppb	33.2907	0.3	483128	98.39313
Mg 279.078	5056.23	ppb	5.9726	0.1	10240.8	101.12462
Mn 257.610	5101.02	ppb	0.9411	0.0	1156801	102.02033
Mo 202.032	497.278	ppb	1.4522	0.3	3217.09	99.45560
Na 330.237	7552.11	ppb	72.1725	1.0	355.746	100.69486
Ni 231.604	2535.72	ppb	0.6032	0.0	5994.88	101.42881
Pb 220.353	502.447	ppb	1.6289	0.3	810.728	100.48936
Sb 206.834	942.034	ppb	6.4903	0.7	946.554	94.20340
Se 196.026	5005.95	ppb	12.4728	0.2	2295.73	100.11894
Sn 189.925	5139.19	ppb	14.7843	0.3	3887.07	102.78375
Sr 216.596	2499.03	ppb	6.6592	0.3	23497.4	99.96101
Ti 334.941	504.503	ppb	0.5604	0.1	128655	100.90065
Tl 190.794	5050.82	ppb	20.7976	0.4	3330.26	101.01631
V 292.401	5023.86	ppb	9.3059	0.2	137780	100.47713
Zn 206.200	2536.91	ppb	10.1125	0.4	3837.17	101.47634

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

Cont Calib Blank (CCB) 3/28/2013, 1:00:59 PM Rack 4, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5609u	-0.3321u	0.4206
Al 308.215	1.3835	0.0393	-0.3313u
As 188.980	-6.2394u	-4.3889u	-4.2622u
B 249.678	34.2992	28.0020	22.5720
Ba 389.178	0.3782	0.8135	0.3550
Be 313.042	-0.0339u	-0.0287u	-0.0351u
Ca 370.602	3.277	-4.735u	2.273
Cd 226.502	-0.1471u	0.0831	-0.0950u
Co 228.615	-0.1096u	-0.2265u	-0.2183u
Cr 267.716	-0.4601u	-0.2417u	-0.1755u
Cu 324.754	-0.7462u	-0.1053u	-0.6074u
Fe 271.441	-0.1051u	7.2589	-2.2733u
K 766.491	-0.5847u	-0.6861u	-0.6727u
Mg 279.078	3.1511	3.8517	-0.9967u
Mn 257.610	-0.1642u	-0.1583u	-0.1963u
Mo 202.032	0.1111	-0.2300u	0.0196
Na 330.237	-164.310u	82.6887	-102.275u
Ni 231.604	-1.3458u	-1.3245u	0.4111
Pb 220.353	1.3367	-0.6759u	-0.8640u
Sb 206.834	1.3648	5.3440	1.3444
Se 196.026	2.5041	3.4425	-5.9854u
Sn 189.925	-1.7049u	-1.0966u	-0.0762u
Sr 216.596	0.1175	0.6466	0.0283
Ti 334.941	-0.0102u	-0.1361u	-0.0496u
Tl 190.794	5.1777	3.6434	-0.3981u
V 292.401	0.0905	-0.1391u	0.0965
Zn 206.200	0.8010	-0.3223u	-0.0229u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1575	ppb	0.5135	326.2	-43.0089	-0.15746
Al 308.215	0.3638	ppb	0.9023	248.0	245.805	0.36384
As 188.980	-4.9635	ppb	1.1068	22.3	-0.6238	-4.96348
B 249.678	28.2911	ppb	5.8690	20.7	617.510	28.29107
Ba 389.178	0.5156	ppb	0.2583	50.1	-6.0356	0.51559
Be 313.042	-0.0326	ppb	0.0034	10.6	-235.706	-0.03258
Ca 370.602	0.2717	ppb	4.365	1606.7	-2.842	0.27166
Cd 226.502	-0.0530	ppb	0.1207	227.7	11.1117	-0.05302
Co 228.615	-0.1848	ppb	0.0653	35.3	11.5650	-0.18478
Cr 267.716	-0.2924	ppb	0.1489	50.9	-2.8268	-0.29244
Cu 324.754	-0.4863	ppb	0.3372	69.3	84.2856	-0.48627
Fe 271.441	1.6268	ppb	4.9965	307.1	5.2013	1.62681
K 766.491	-0.6478	ppb	0.0551	8.5	193.481	-0.64779
Mg 279.078	2.0020	ppb	2.6205	130.9	25.8839	2.00203
Mn 257.610	-0.1730	ppb	0.0205	11.8	32.4601	-0.17295
Mo 202.032	-0.0331	ppb	0.1765	533.1	15.0649	-0.03312
Na 330.237	-61.2986	ppb	128.496	209.6	-6.9156	-61.29865
Ni 231.604	-0.7531	ppb	1.0082	133.9	-0.8302	-0.75306
Pb 220.353	-0.0677	ppb	1.2200	1800.8	2.3666	-0.06774
Sb 206.834	2.6844	ppb	2.3033	85.8	3.8505	2.68441
Se 196.026	-0.0129	ppb	5.1936	40173.0	0.1614	-0.01293
Sn 189.925	-0.9592	ppb	0.8230	85.8	0.0886	-0.95921
Sr 216.596	0.2641	ppb	0.3342	126.5	12.9702	0.26411
Ti 334.941	-0.0653	ppb	0.0644	98.6	-46.7176	-0.06529
Tl 190.794	2.8077	ppb	2.8803	102.6	1.5948	2.80766
V 292.401	0.0160	ppb	0.1343	841.6	-5.2335	0.01596
Zn 206.200	0.1519	ppb	0.5817	382.8	2.9919	0.15195

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460-52563-c-1-gSD^5 (Samp) 3/28/2013, 1:06:38 PM Rack 4, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.9127	1.0873	2.4308
Al 308.215	6498.62	6505.66	6486.68
As 188.980	-5.0731u	-0.3926u	-1.3374u
B 249.678	-8.9145u	-9.8513u	-11.5420u
Ba 389.178	344.706	345.442	344.189
Be 313.042	0.1887	0.1870	0.1941
Ca 370.602	10138	10141	10098
Cd 226.502	0.4497	0.6648	0.7509
Co 228.615	2.3667	2.4183	2.6419
Cr 267.716	31.3794	30.9310	30.5494
Cu 324.754	227.014	224.588	226.752
Fe 271.441	19512.2	19537.8	19488.1
K 766.491	679.059	681.726	680.804
Mg 279.078	2564.27	2575.19	2557.94
Mn 257.610	349.292	349.828	349.041
Mo 202.032	5.6496	5.3372	5.5277
Na 330.237	605.013	157.293u	335.765
Ni 231.604	11.8781	11.2438	13.2610
Pb 220.353	53.7172	55.8049	53.7760
Sb 206.834	-3.9655u	0.9295	0.4963
Se 196.026	14.8341	6.2925	-0.5553u
Sn 189.925	16.6596	16.2882	15.7235
Sr 216.596	78.2230	78.8110	76.7946
Ti 334.941	55.4952	55.3658	54.8771
Tl 190.794	3.3033	-0.5643u	0.0618u
V 292.401	8.5460	8.5404	8.5053
Zn 206.200	594.141	592.763	591.606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8103	ppb	0.6775	37.4	92.6928
Al 308.215	6496.99	ppb	9.5987	0.1	37442.6
As 188.980	-2.2677	ppb	2.4751	109.1	0.7380
B 249.678	-10.1026	ppb	1.3317	13.2	247.956
Ba 389.178	344.779	ppb	0.6300	0.2	8267.00
Be 313.042	0.1899	ppb	0.0037	2.0	197.411
Ca 370.602	10126	ppb	24.44	0.2	31084
Cd 226.502	0.6218	ppb	0.1551	24.9	80.6356
Co 228.615	2.4756	ppb	0.1463	5.9	42.6520
Cr 267.716	30.9533	ppb	0.4154	1.3	1308.79
Cu 324.754	226.118	ppb	1.3317	0.6	11030.8
Fe 271.441	19512.7	ppb	24.8801	0.1	32706.5
K 766.491	680.530	ppb	1.3542	0.2	33624.9
Mg 279.078	2565.80	ppb	8.7264	0.3	5243.91
Mn 257.610	349.387	ppb	0.4019	0.1	79364.2
Mo 202.032	5.5049	ppb	0.1574	2.9	49.9298
Na 330.237	366.024	ppb	225.388	61.6	4.1978
Ni 231.604	12.1276	ppb	1.0315	8.5	29.9853
Pb 220.353	54.4327	ppb	1.1887	2.2	89.9701
Sb 206.834	-0.8466	ppb	2.7097	320.1	1.1332
Se 196.026	6.8571	ppb	7.7102	112.4	3.4434
Sn 189.925	16.2237	ppb	0.4714	2.9	13.0858
Sr 216.596	77.9429	ppb	1.0370	1.3	752.184
Ti 334.941	55.2461	ppb	0.3260	0.6	14072.2
Tl 190.794	0.9336	ppb	2.0760	222.4	-0.6423
V 292.401	8.5306	ppb	0.0220	0.3	226.808
Zn 206.200	592.837	ppb	1.2688	0.2	902.270

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460-52563-c-1-gPDS (Samp) **3/28/2013, 1:12:08 PM** **Rack 4, Tube 52****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	59.5331	61.1423	61.6477
Al 308.215	32064.4	32047.0	32021.6
As 188.980	2170.34	2182.64	2163.76
B 249.678	1053.51	1057.50	1064.17
Ba 389.178	3599.04	3599.99	3599.47
Be 313.042	51.7067	51.7231	51.7003
Ca 370.602	51639	51627	51613
Cd 226.502	53.5400	53.7139	54.1729
Co 228.615	530.455	526.367	529.296
Cr 267.716	345.951	346.647	345.791
Cu 324.754	1334.88	1321.80	1329.54
Fe 271.441	89996.8	89999.0	89858.8
K 766.491	8648.22	8659.71	8663.92
Mg 279.078	16751.2	16751.0	16747.5
Mn 257.610	2124.16	2121.90	2121.56
Mo 202.032	539.706	541.039	540.047
Na 330.237	6337.03	6305.45	6579.37
Ni 231.604	561.604	559.873	563.291
Pb 220.353	760.994	764.297	763.821
Sb 206.834	510.850	510.447	504.524
Se 196.026	2061.87	2068.34	2078.80
Sn 189.925	1107.56	1101.53	1111.56
Sr 216.596	861.963	865.173	865.203
Ti 334.941	1265.77	1269.71	1267.16
Tl 190.794	2074.84	2045.63	2055.25
V 292.401	546.644	545.835	546.580
Zn 206.200	3194.72	3188.63	3189.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	60.7744	ppb	1.1043	1.8	4191.14
Al 308.215	32044.3	ppb	21.5324	0.1	183774
As 188.980	2172.25	ppb	9.5839	0.4	1180.86
B 249.678	1058.39	ppb	5.3889	0.5	9969.74
Ba 389.178	3599.50	ppb	0.4784	0.0	86290.6
Be 313.042	51.7100	ppb	0.0118	0.0	99842.8
Ca 370.602	51626	ppb	12.86	0.0	159479
Cd 226.502	53.8089	ppb	0.3270	0.6	2138.52
Co 228.615	528.706	ppb	2.1069	0.4	6072.29
Cr 267.716	346.130	ppb	0.4550	0.1	14503.2
Cu 324.754	1328.74	ppb	6.5767	0.5	64296.3
Fe 271.441	89951.5	ppb	80.2818	0.1	150848
K 766.491	8657.29	ppb	8.1288	0.1	425116
Mg 279.078	16749.9	ppb	2.0712	0.0	34111.3
Mn 257.610	2122.54	ppb	1.4124	0.1	481706
Mo 202.032	540.264	ppb	0.6923	0.1	3498.34
Na 330.237	6407.28	ppb	149.861	2.3	261.659
Ni 231.604	561.589	ppb	1.7093	0.3	1330.11
Pb 220.353	763.038	ppb	1.7854	0.2	1228.42
Sb 206.834	508.607	ppb	3.5417	0.7	485.879
Se 196.026	2069.67	ppb	8.5466	0.4	949.494
Sn 189.925	1106.88	ppb	5.0492	0.5	837.859
Sr 216.596	864.113	ppb	1.8622	0.2	8161.02
Ti 334.941	1267.55	ppb	2.0012	0.2	323314
Tl 190.794	2058.57	ppb	14.8904	0.7	1353.65
V 292.401	546.353	ppb	0.4496	0.1	14914.7
Zn 206.200	3191.11	ppb	3.1983	0.1	4844.07

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X (Samp) 3/28/2013, 1:17:36 PM **Rack 4, Tube 53****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3723	-0.5485u	0.0946
Al 308.215	3.6075	0.8786	1.2571
As 188.980	-6.4581u	-3.0969u	-5.5424u
B 249.678	-3.0914u	-6.1152u	-8.3075u
Ba 389.178	-0.5915u	-0.4252u	-0.6984u
Be 313.042	-0.0365u	-0.0422u	-0.0518u
Ca 370.602	-0.1735u	1.257	-0.5777u
Cd 226.502	0.0895	-0.1949u	-0.1361u
Co 228.615	-0.3915u	0.3247	-0.0449u
Cr 267.716	0.0357	-0.0240u	-0.2986u
Cu 324.754	-1.0112u	0.6090	-0.9405u
Fe 271.441	2.4225	2.2693	14.2873
K 766.491	-0.3445u	-0.2763u	-1.5932u
Mg 279.078	-0.7811u	0.0933	-4.3284u
Mn 257.610	-0.1480u	-0.1578u	-0.2171u
Mo 202.032	-0.7986u	-0.7988u	-0.9918u
Na 330.237	200.202	152.920	71.8415
Ni 231.604	-0.1988u	-0.0659u	-0.3298u
Pb 220.353	-3.1076u	1.8102	-0.2196u
Sb 206.834	4.9807	1.6684	0.7655
Se 196.026	-0.1456u	-0.1550u	3.8715
Sn 189.925	-1.0609u	0.6642	-2.5480u
Sr 216.596	-0.6509u	0.0270	-0.5008u
Ti 334.941	0.2575	0.1043	0.1302
Tl 190.794	5.4756	7.8449	1.9732
V 292.401	-0.2985u	-0.0937u	0.1527
Zn 206.200	0.0571	-1.3870u	-0.8725u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0272	ppb	0.4724	1737.1	-33.8989
Al 308.215	1.9144	ppb	1.4785	77.2	254.580
As 188.980	-5.0325	ppb	1.7377	34.5	-0.6611
B 249.678	-5.8380	ppb	2.6191	44.9	304.917
Ba 389.178	-0.5717	ppb	0.1376	24.1	-32.0679
Be 313.042	-0.0435	ppb	0.0077	17.8	-256.722
Ca 370.602	0.1685	ppb	0.9639	572.0	-3.168
Cd 226.502	-0.0805	ppb	0.1501	186.4	10.1326
Co 228.615	-0.0372	ppb	0.3581	962.0	13.2877
Cr 267.716	-0.0957	ppb	0.1783	186.4	5.4055
Cu 324.754	-0.4476	ppb	0.9157	204.6	86.1346
Fe 271.441	6.3264	ppb	6.8948	109.0	13.1043
K 766.491	-0.7380	ppb	0.7414	100.5	189.053
Mg 279.078	-1.6721	ppb	2.3416	140.0	18.4002
Mn 257.610	-0.1743	ppb	0.0374	21.4	32.1259
Mo 202.032	-0.8630	ppb	0.1115	12.9	9.7070
Na 330.237	141.655	ppb	64.9178	45.8	3.3928
Ni 231.604	-0.1982	ppb	0.1319	66.6	0.4814
Pb 220.353	-0.5056	ppb	2.4714	488.7	1.6629
Sb 206.834	2.4715	ppb	2.2194	89.8	3.6579
Se 196.026	1.1903	ppb	2.3220	195.1	0.7129
Sn 189.925	-0.9816	ppb	1.6076	163.8	0.0717
Sr 216.596	-0.3749	ppb	0.3561	95.0	6.9870
Ti 334.941	0.1640	ppb	0.0820	50.0	11.7339
Tl 190.794	5.0979	ppb	2.9540	57.9	3.1067
V 292.401	-0.0798	ppb	0.2259	283.1	-7.7148
Zn 206.200	-0.7341	ppb	0.7319	89.7	1.6471

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CRI (Samp) 3/28/2013, 1:23:05 PM **Rack 4, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.2488	11.8826	9.6320
Al 308.215	222.869	221.031	221.789
As 188.980	15.4084	17.3505	18.0987
B 249.678	85.1077	86.7663	85.6088
Ba 389.178	11.1966	10.9468	10.2988
Be 313.042	4.3533	4.3082	4.2789
Ca 370.602	547.9	539.6	540.0
Cd 226.502	5.3929	5.3579	5.3243
Co 228.615	11.4557	11.3728	10.3010
Cr 267.716	10.2408	10.6267	10.2236
Cu 324.754	21.2950	21.0792	21.9147
Fe 271.441	59.1089	64.1031	57.0969
K 766.491	1060.34	1054.35	1052.55
Mg 279.078	559.207	550.824	539.690
Mn 257.610	11.5215	11.4273	11.4673
Mo 202.032	8.9915	10.0595	8.9097
Na 330.237	1289.18	1396.34	1273.02
Ni 231.604	45.5106	44.1474	44.2270
Pb 220.353	9.2846	9.6216	10.8223
Sb 206.834	20.2933	19.5642	24.5989
Se 196.026	22.7263	10.5022	13.4514
Sn 189.925	57.5786	50.2735	55.4259
Sr 216.596	9.7296	9.7206	11.2937
Ti 334.941	10.5333	10.3938	10.4310
Tl 190.794	22.1995	28.1989	28.2272
V 292.401	10.7911	11.0074	10.8716
Zn 206.200	25.9620	25.5805	25.4184

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.9211	ppb	1.1605	10.6	730.974
Al 308.215	221.896	ppb	0.9233	0.4	1515.21
As 188.980	16.9525	ppb	1.3886	8.2	11.2760
B 249.678	85.8276	ppb	0.8507	1.0	1144.44
Ba 389.178	10.8141	ppb	0.4634	4.3	242.012
Be 313.042	4.3135	ppb	0.0375	0.9	8175.98
Ca 370.602	542.5	ppb	4.709	0.9	1745
Cd 226.502	5.3583	ppb	0.0343	0.6	203.880
Co 228.615	11.0432	ppb	0.6441	5.8	139.937
Cr 267.716	10.3637	ppb	0.2279	2.2	442.608
Cu 324.754	21.4297	ppb	0.4337	2.0	1142.58
Fe 271.441	60.1030	ppb	3.6073	6.0	104.930
K 766.491	1055.75	ppb	4.0790	0.4	52040.2
Mg 279.078	549.907	ppb	9.7904	1.8	1141.61
Mn 257.610	11.4720	ppb	0.0473	0.4	2676.18
Mo 202.032	9.3203	ppb	0.6415	6.9	75.4306
Na 330.237	1319.51	ppb	67.0246	5.1	62.9180
Ni 231.604	44.6283	ppb	0.7651	1.7	106.442
Pb 220.353	9.9095	ppb	0.8083	8.2	18.3959
Sb 206.834	21.4855	ppb	2.7209	12.7	21.8322
Se 196.026	15.5600	ppb	6.3790	41.0	7.3018
Sn 189.925	54.4260	ppb	3.7538	6.9	41.9715
Sr 216.596	10.2480	ppb	0.9056	8.8	106.141
Ti 334.941	10.4527	ppb	0.0722	0.7	2637.86
Tl 190.794	26.2085	ppb	3.4720	13.2	17.0326
V 292.401	10.8900	ppb	0.1093	1.0	291.553
Zn 206.200	25.6537	ppb	0.2791	1.1	41.6589

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

CCV (Samp) 3/28/2013, 1:28:34 PM Rack 4, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	507.401	519.845	508.760
Al 308.215	5081.40	5154.74	5119.50
As 188.980	486.152	501.431	495.683
B 249.678	2560.97	2621.17	2627.27
Ba 389.178	5004.23	5067.10	5045.91
Be 313.042	496.413	502.909	499.856
Ca 370.602	5012	5066	5056
Cd 226.502	502.941	509.163	506.211
Co 228.615	503.731	511.584	506.790
Cr 267.716	4988.39	5049.47	5030.98
Cu 324.754	5014.96	5108.75	5080.18
Fe 271.441	5050.24	5100.86	5080.47
K 766.491	9868.72	10112.6	9786.10
Mg 279.078	5043.85	5115.76	5095.94
Mn 257.610	5088.39	5144.08	5116.05
Mo 202.032	492.292	498.959	500.676
Na 330.237	7432.31	7881.42	7690.13
Ni 231.604	2524.81	2552.54	2554.38
Pb 220.353	500.379	508.126	508.468
Sb 206.834	936.905	956.746	958.538
Se 196.026	5007.58	5052.17	5033.90
Sn 189.925	5074.03	5192.45	5117.28
Sr 216.596	2498.81	2525.36	2516.65
Ti 334.941	501.141	506.834	506.197
Tl 190.794	5036.17	5109.65	5066.83
V 292.401	4989.48	5055.07	5030.65
Zn 206.200	2527.58	2559.27	2548.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	512.002	ppb	6.8260	1.3	35698.8
Al 308.215	5118.55	ppb	36.6777	0.7	29526.1
As 188.980	494.422	ppb	7.7171	1.6	270.375
B 249.678	2603.14	ppb	36.6432	1.4	24196.1
Ba 389.178	5039.08	ppb	31.9870	0.6	120590
Be 313.042	499.726	ppb	3.2501	0.7	966986
Ca 370.602	5045	ppb	28.78	0.6	16142
Cd 226.502	506.105	ppb	3.1123	0.6	18041.3
Co 228.615	507.369	ppb	3.9584	0.8	5825.31
Cr 267.716	5022.95	ppb	31.3254	0.6	209966
Cu 324.754	5067.96	ppb	48.0748	0.9	244763
Fe 271.441	5077.19	ppb	25.4658	0.5	8635.55
K 766.491	9922.46	ppb	169.737	1.7	487209
Mg 279.078	5085.19	ppb	37.1407	0.7	10299.5
Mn 257.610	5116.17	ppb	27.8452	0.5	1160238
Mo 202.032	497.309	ppb	4.4287	0.9	3217.29
Na 330.237	7667.95	ppb	225.372	2.9	361.548
Ni 231.604	2543.91	ppb	16.5670	0.7	6014.23
Pb 220.353	505.658	ppb	4.5750	0.9	815.898
Sb 206.834	950.730	ppb	12.0061	1.3	955.033
Se 196.026	5031.22	ppb	22.4197	0.4	2307.32
Sn 189.925	5127.92	ppb	59.9244	1.2	3878.55
Sr 216.596	2513.61	ppb	13.5338	0.5	23634.6
Ti 334.941	504.724	ppb	3.1191	0.6	128712
Tl 190.794	5070.88	ppb	36.9085	0.7	3343.49
V 292.401	5025.06	ppb	33.1517	0.7	137812
Zn 206.200	2545.14	ppb	16.1209	0.6	3849.60

E03272013.vvq. All Data Report 3/28/2013, 2:04:12 PM

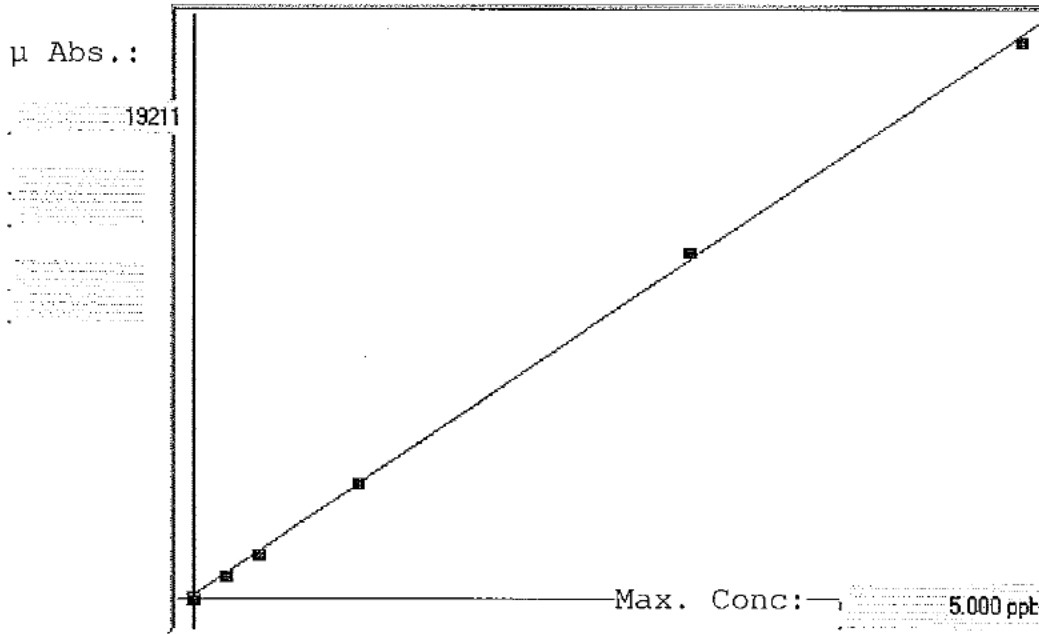
CCB (Samp) **3/28/2013, 1:34:02 PM** **Rack 4, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4702u	-0.0139u	-0.8228u
Al 308.215	-0.2962u	1.7037	0.1706
As 188.980	-10.7677u	-3.8470u	-4.3004u
B 249.678	37.8309	31.6497	24.1835
Ba 389.178	0.2438	0.1232	0.3152
Be 313.042	-0.0306u	-0.0423u	-0.0405u
Ca 370.602	6.090	-7.420u	2.513
Cd 226.502	-0.0485u	-0.1141u	-0.1736u
Co 228.615	-0.2207u	0.1341	0.0351
Cr 267.716	-0.2549u	-0.1247u	-0.3542u
Cu 324.754	-0.4493u	0.0442	-0.3915u
Fe 271.441	-3.5792u	7.8217	-2.1157u
K 766.491	-0.2349u	-0.9738u	-0.5991u
Mg 279.078	1.2159	3.6450	5.7829
Mn 257.610	-0.1191u	-0.1099u	-0.1651u
Mo 202.032	0.1632	-0.3232u	-0.2707u
Na 330.237	50.7742	150.679	185.440
Ni 231.604	0.3223	-0.0938u	0.8067
Pb 220.353	2.2994	-2.4449u	-3.9579u
Sb 206.834	5.3554	9.5732	-2.2522u
Se 196.026	11.6562	-3.3106u	7.5187
Sn 189.925	4.2351	-3.2434u	-3.7478u
Sr 216.596	-0.1609u	-0.0533u	-0.3397u
Ti 334.941	0.1048	-0.0476u	-0.0534u
Tl 190.794	-1.6525u	-1.2303u	0.1947
V 292.401	0.5352	0.6229	0.4394
Zn 206.200	3.6511	3.6819	2.6767

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4356	ppb	0.4056	93.1	-62.4305
Al 308.215	0.5260	ppb	1.0463	198.9	246.714
As 188.980	-6.3050	ppb	3.8715	61.4	-1.3521
B 249.678	31.2213	ppb	6.8338	21.9	644.352
Ba 389.178	0.2274	ppb	0.0971	42.7	-12.9314
Be 313.042	-0.0378	ppb	0.0063	16.7	-245.825
Ca 370.602	0.3945	ppb	7.000	1774.4	-2.204
Cd 226.502	-0.1120	ppb	0.0626	55.9	9.0038
Co 228.615	-0.0172	ppb	0.1831	1066.1	13.4874
Cr 267.716	-0.2446	ppb	0.1151	47.1	-0.8271
Cu 324.754	-0.2655	ppb	0.2698	101.6	94.9349
Fe 271.441	0.7089	ppb	6.2031	875.0	3.6451
K 766.491	-0.6026	ppb	0.3695	61.3	195.700
Mg 279.078	3.5479	ppb	2.2851	64.4	29.0313
Mn 257.610	-0.1313	ppb	0.0296	22.5	41.8933
Mo 202.032	-0.1436	ppb	0.2670	186.0	14.3512
Na 330.237	128.964	ppb	69.9098	54.2	2.7235
Ni 231.604	0.3451	ppb	0.4507	130.6	1.7655
Pb 220.353	-1.3678	ppb	3.2647	238.7	0.2752
Sb 206.834	4.2255	ppb	5.9931	141.8	5.3229
Se 196.026	5.2881	ppb	7.7287	146.2	2.5910
Sn 189.925	-0.9187	ppb	4.4704	486.6	0.1193
Sr 216.596	-0.1846	ppb	0.1447	78.4	8.7561
Ti 334.941	0.0012	ppb	0.0897	7192.3	-29.7587
Tl 190.794	-0.8960	ppb	0.9679	108.0	-0.8497
V 292.401	0.5325	ppb	0.0918	17.2	8.9928
Zn 206.200	3.3366	ppb	0.5717	17.1	7.8241

Hg Norm2

Linear



A= 0.0000e+000
 B= 2.5888e-004
 C= -2.5038e-002
 Rho= 0.9997446
 Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.011	-0.011	53	0.943	53	55	53		
0.2	0.200	0.186	-0.014	817	0.5 %	821	819	811		
0.4	0.400	0.383	-0.017	1576	0.6 %	1584	1581	1563		
1.0	1.000	1.011	0.011	4003	0.8 %	3957	4014	4038		
3.0	3.000	3.082	0.082	12002	0.2 %	12014	12027	11966		
5.0	5.000	4.948	-0.052	19211	0.6 %	19051	19251	19332		

C03282013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 28 Mar 2013 09:48:17

Sample ID	Extended ID	Mean	RSD	Date
blank		54	1.7568	28 Mar 2013 10:00:14
0.2		817	0.5288	28 Mar 2013 10:02:40
0.4		1576	0.5884	28 Mar 2013 10:05:07
1.0		4003	0.8486	28 Mar 2013 10:07:34
3.0		12002	0.2186	28 Mar 2013 10:10:00
5.0		19211	0.6147	28 Mar 2013 10:12:26
ICV		2.9793	0.3517	28 Mar 2013 10:14:52
ICB		-0.0009	-279.7392	28 Mar 2013 10:17:19
CRA		0.1862	0.5202	28 Mar 2013 10:19:44
CCV		2.5430	1.0493	28 Mar 2013 10:22:12
CCB		-0.0025	-90.8967	28 Mar 2013 10:24:38
mb 680-270865/1-a		0.0138	5.5250	28 Mar 2013 10:27:04
lcs 680-270865/2-a	(BCB)	2.5542	0.5969	28 Mar 2013 10:29:30
llcs 680-270865/3-a	(BCB)	0.2113	0.2001	28 Mar 2013 10:31:56
680-88562-d-1-a	(BCB)	-0.0023	-16.2250	28 Mar 2013 10:34:23
680-88562-d-1-b	(BCB)	1.0051	1.0106	28 Mar 2013 10:36:49
680-88562-d-1-c	(BCB)	0.9783	0.6271	28 Mar 2013 10:39:15
680-88122-b-1-b	(BCB)	-0.0096	-6.3618	28 Mar 2013 10:41:41
680-88527-c-34-b	(BCB)	-0.0081	-11.7318	28 Mar 2013 10:44:07
680-88635-d-1-b	(BCB)	-0.0083	-13.0733	28 Mar 2013 10:46:33
680-88635-a-1-a	(BCB)	-0.0079	-8.2100	28 Mar 2013 10:49:00
CCV		2.5450	0.2767	28 Mar 2013 10:51:26
CCB		(L)-0.1189	-0.7183	28 Mar 2013 10:53:54
680-88633-h-1-a	(BCB)	-0.0269	-0.4531	28 Mar 2013 10:56:20
680-88633-h-2-a	(BCB)	0.0222	3.0656	28 Mar 2013 10:58:48
mb 680-270904/1-a	(BCB)	-0.0250	-0.0000	28 Mar 2013 11:01:17
CCV		2.4794	0.8400	28 Mar 2013 11:03:08
CCB		-0.0143	-5.6153	28 Mar 2013 11:05:35
mb 680-270865/1-a		0.0100	4.4014	28 Mar 2013 11:08:01
lcs 680-270865/2-a	(BCB)	2.4929	0.3518	28 Mar 2013 11:10:27
llcs 680-270865/3-a	(BCB)	0.1872	0.4070	28 Mar 2013 11:12:54
680-88562-d-1-a	(BCB)	-0.0048	-2.5644	28 Mar 2013 11:15:20
680-88562-d-1-b	(BCB)	0.9755	0.5123	28 Mar 2013 11:17:48
680-88562-d-1-c	(BCB)	0.9274	0.4851	28 Mar 2013 11:20:17
680-88122-b-1-b	(BCB)	-0.0073	-1.6806	28 Mar 2013 11:22:43
680-88527-c-34-b	(BCB)	-0.0129	-5.9214	28 Mar 2013 11:25:09
680-88635-d-1-b	(BCB)	-0.0105	-2.0053	28 Mar 2013 11:27:37
680-88635-a-1-a	(BCB)	-0.0106	-3.0383	28 Mar 2013 11:30:04
CCV		2.4990	0.3184	28 Mar 2013 11:32:32
CCB		-0.0167	-12.5116	28 Mar 2013 11:35:00
680-88633-h-1-a	(BCB)	-0.0107	-5.6956	28 Mar 2013 11:37:26
680-88633-h-2-a	(BCB)	0.0281	1.5648	28 Mar 2013 11:39:53
mb 680-270904/1-a	(BCB)	0.0012	56.8471	28 Mar 2013 11:42:22
lb 680-270828/3-b	(BCB)	0.0090	7.5820	28 Mar 2013 11:44:49
lcs 680-270904/3-a	(BCB)	2.4304	0.1025	28 Mar 2013 11:47:15
680-88656-a-1-b	(BCB)	0.0174	4.3754	28 Mar 2013 11:49:45
680-88663-a-1-c	(BCB)	0.0608	8.7250	28 Mar 2013 11:52:11
680-88663-a-1-f ms	(BCB)	0.0858	0.8886	28 Mar 2013 11:54:37
680-88663-a-1-g msd	(BCB)	0.0947	0.3411	28 Mar 2013 11:57:03
lb 680-270776/2-c	(BCB)	0.0134	7.4275	28 Mar 2013 11:59:31
CCV		2.5055	0.7349	28 Mar 2013 12:01:57
CCB		-0.0145	-4.6828	28 Mar 2013 12:04:24
680-88640-a-1-e	(BCB)	0.0233	1.3866	28 Mar 2013 12:06:52
680-88640-a-1-h ms	(BCB)	0.0837	2.3148	28 Mar 2013 12:09:18
680-88640-a-1-i msd	(BCB)	0.0889	1.2586	28 Mar 2013 12:11:45
lb 680-270718/4-c	(BCB)	0.0148	1.4254	28 Mar 2013 12:14:13
680-88652-a-2-f	(BCB)	0.0544	1.1648	28 Mar 2013 12:16:41
680-88652-a-2-i ms	(BCB)	0.1066	1.1623	28 Mar 2013 12:19:09
680-88652-a-2-j msd	(BCB)	0.1095	0.6206	28 Mar 2013 12:21:35
680-88652-a-4-d	(BCB)	0.0958	0.3371	28 Mar 2013 12:24:02

C03282013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 28 Mar 2013 09:48:17

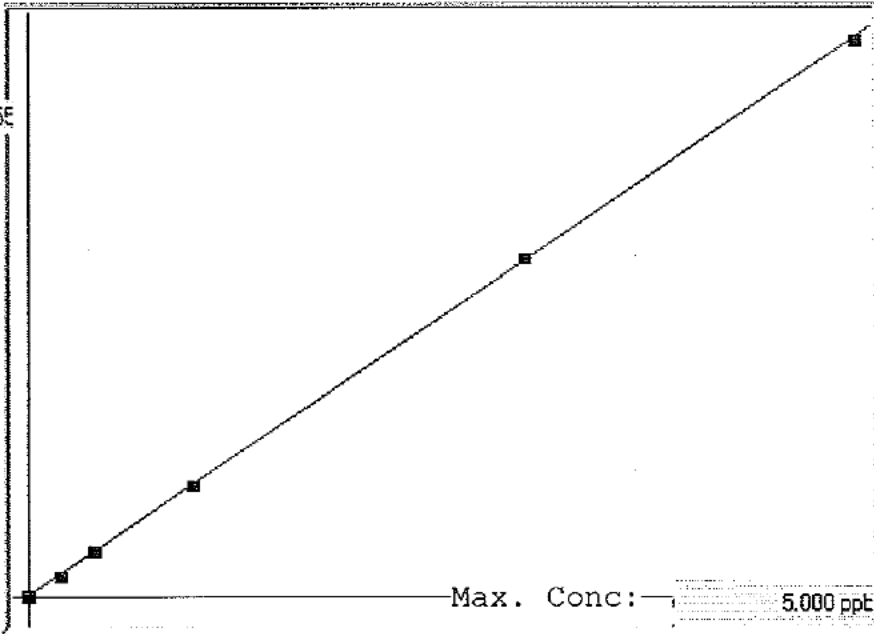
Sample ID	Extended ID	Mean	RSD	Date
mb 680-270883/1-a	(BCB)	0.0207	3.1200	28 Mar 2013 12:26:29
lcs 680-270883/2-a	(BCB)	2.5153	0.0350	28 Mar 2013 12:28:57
CCV		2.4674	0.6318	28 Mar 2013 12:31:24
CCB		-0.0141	-2.2934	28 Mar 2013 12:33:51
680-88678-c-1-a	(BCB)	0.0241	2.2106	28 Mar 2013 12:36:19
680-88678-c-1-b ms	(BCB)	0.9973	0.8063	28 Mar 2013 12:38:46
680-88678-c-1-c msd	(BCB)	0.9990	0.9871	28 Mar 2013 12:41:13
680-88678-c-2-a	(BCB)	-0.0111	-5.4751	28 Mar 2013 12:43:42
680-88678-c-3-a	(BCB)	-0.0184	-0.6635	28 Mar 2013 12:46:10
680-88593-c-1-b	(BCB)	-0.0172	-1.4203	28 Mar 2013 12:48:37
680-88593-c-6-b	(BCB)	-0.0140	-4.3609	28 Mar 2013 12:51:05
680-88593-c-7-b	(BCB)	-0.0198	-1.2343	28 Mar 2013 12:53:31
680-88601-e-11-b	(BCB)	-0.0180	-5.5613	28 Mar 2013 12:55:57
640-42827-b-14-a	(BCB)	-0.0120	-1.0163	28 Mar 2013 12:58:24
CCV		2.4529	0.6931	28 Mar 2013 13:00:51
CCB		-0.0137	-6.4079	28 Mar 2013 13:03:17
640-42827-c-15-a	(BCB)	-0.0157	-2.3292	28 Mar 2013 13:05:43
640-42827-d-16-a	(BCB)	1.5932	0.5577	28 Mar 2013 13:08:10
640-42827-a-19-a	(BCB)	-0.0262	-2.4604	28 Mar 2013 13:10:39
mb 680-270840/1-a	(BCB)	-0.0107	-6.0277	28 Mar 2013 13:13:06
lb2 680-270512/14-f	(BCB)	0.0587	2.5562	28 Mar 2013 13:15:32
lcs 680-270840/3-a	(BCB)	2.4927	0.3721	28 Mar 2013 13:17:59
680-88607-a-1-h	(BCB)	-0.0166	-2.6537	28 Mar 2013 13:20:27
680-88652-a-1-f	(BCB)	-0.0122	-3.6125	28 Mar 2013 13:22:54
680-88652-a-6-d	(BCB)	-0.0172	-3.5506	28 Mar 2013 13:25:21
660-53391-a-1-g	(BCB)	-0.0124	-1.7111	28 Mar 2013 13:27:49
CCV		2.4609	0.5182	28 Mar 2013 13:30:15
CCB		-0.0165	-3.3904	28 Mar 2013 13:32:42
660-53391-a-1-h ms	(BCB)	0.0564	1.3156	28 Mar 2013 13:35:08
660-53391-a-1-i msd	(BCB)	0.0549	0.5884	28 Mar 2013 13:37:34
680-88644-b-1-d	(BCB)	-0.0127	-0.9611	28 Mar 2013 13:40:02
lb 680-270430/6-b	(BCB)	-0.0175	-1.2058	28 Mar 2013 13:42:29
680-88610-a-1-b	(BCB)	-0.0173	-6.3592	28 Mar 2013 13:44:56
680-88610-a-2-b	(BCB)	-0.0159	-2.0319	28 Mar 2013 13:47:23
680-88610-a-2-c ms	(BCB)	0.7054	1.1552	28 Mar 2013 13:49:50
680-88610-a-2-d msd	(BCB)	0.7072	0.3168	28 Mar 2013 13:52:17
680-88609-a-1-b	(BCB)	-0.0202	-3.3628	28 Mar 2013 13:54:45
680-88609-a-3-b	(BCB)	-0.0186	-2.2770	28 Mar 2013 13:57:13
CCV		2.3860	1.0200	28 Mar 2013 13:59:41
CCB		-0.0164	-4.5240	28 Mar 2013 14:02:07
lb 680-270422/2-b	(BCB)	-0.0121	-6.9911	28 Mar 2013 14:04:33
680-88555-a-1-f	(BCB)	-0.0161	-1.5113	28 Mar 2013 14:07:00
680-88555-a-1-g ms	(BCB)	0.7434	1.1267	28 Mar 2013 14:09:27
680-88555-a-1-h msd	(BCB)	0.8217	0.2602	28 Mar 2013 14:11:54
lb 680-270358/2-e	(BCB)	-0.0155	-3.4218	28 Mar 2013 14:14:21
680-88569-a-1-k	(BCB)	-0.0130	-5.6913	28 Mar 2013 14:16:49
680-88569-a-1-l ms	(BCB)	0.7140	1.0067	28 Mar 2013 14:19:16
680-88569-a-1-m msd	(BCB)	0.7466	0.8372	28 Mar 2013 14:21:44
CCV		2.4348	0.7252	28 Mar 2013 14:24:11
CCB		-0.0139	-5.2655	28 Mar 2013 14:26:38

Hg Norm2

Linear

μ Abs.:

i 19655



A= 0.0000e+000

B= 2.5387e-004

C= -1.3009e-002

Rho= 0.9999374

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.002	-0.002	44	4.546	39	43	50		
0.2	0.200	0.190	-0.010	798	0.1 %	800	798	798		
0.4	0.400	0.404	0.004	1643	0.4 %	1634	1646	1649		
1.0	1.000	0.990	-0.010	3950	0.7 %	3917	3949	3984		
3.0	3.000	3.041	0.041	12031	0.7 %	11911	12075	12108		
5.0	5.000	4.977	-0.023	19654	0.3 %	19584	19676	19704		

C03222013

Method: Hg Norm2

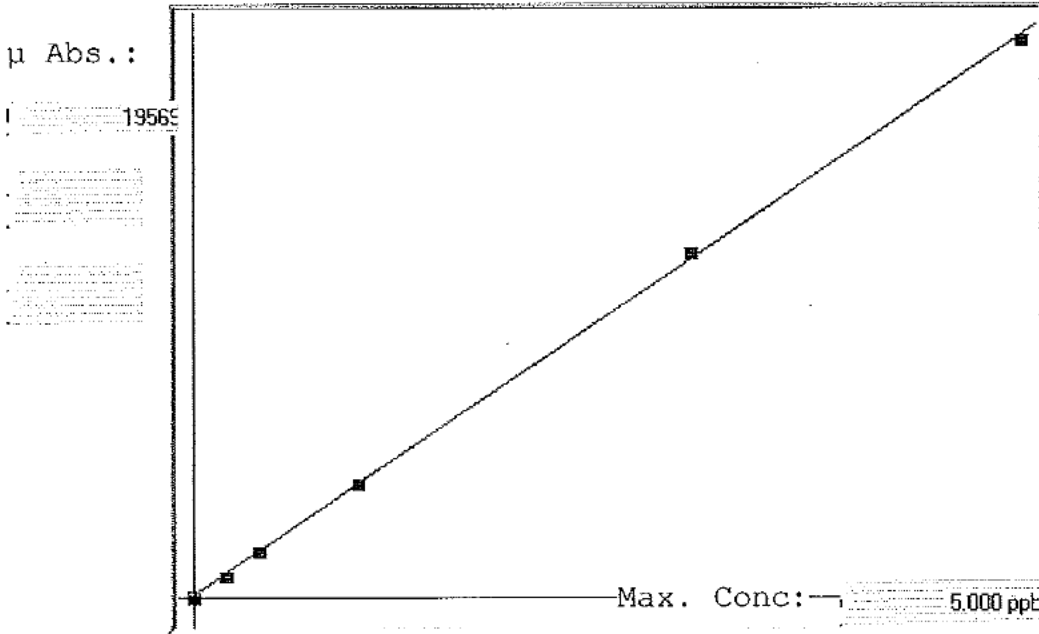
Operator: Admin

Date of Analysis: 22 Mar 2013 11:07:06

Sample ID	Extended ID	Mean	RSD	Date
blank		44	10.3320	22 Mar 2013 11:07:34
0.2		799	0.1180	22 Mar 2013 11:09:59
0.4		1643	0.3944	22 Mar 2013 11:12:27
1.0		3950	0.6927	22 Mar 2013 11:14:54
3.0		12031	0.7160	22 Mar 2013 11:17:21
5.0		19655	0.2608	22 Mar 2013 11:19:46
ICV		3.1166	0.3644	22 Mar 2013 11:22:13
ICB		0.0002	215.2239	22 Mar 2013 11:24:38
CRA		0.1970	1.0538	22 Mar 2013 11:27:04
CCV		2.4997	0.0253	22 Mar 2013 11:29:32
CCB		0.0023	40.4945	22 Mar 2013 11:31:59
CCV		2.4711	0.4616	22 Mar 2013 11:34:25
CCB		0.0014	34.7553	22 Mar 2013 11:36:51
CCV		2.4892	0.3589	22 Mar 2013 11:59:43
CCB		0.0027	20.0790	22 Mar 2013 12:02:10
MB	BCB 7471 270241	0.0384	0.6226	22 Mar 2013 12:04:35
LCS	BCB 7471 270241	2.4815	0.6601	22 Mar 2013 12:07:01
88527-5	BCB 7471 270241	1.6086	0.4593	22 Mar 2013 12:09:27
88527-5S	BCB 7471 270241	2.4873	0.5016	22 Mar 2013 12:11:53
88527-5SD	BCB 7471 270241	2.4341	0.5883	22 Mar 2013 12:14:19
88527-7	BCB 7471 270241	1.5345	0.0624	22 Mar 2013 12:16:45
88527-14	BCB 7471 270241	0.8224	0.2525	22 Mar 2013 12:19:11
88527-15	BCB 7471 270241	1.0442	0.5182	22 Mar 2013 12:21:38
88532-3	BCB 7471 270241	0.0601	0.5973	22 Mar 2013 12:24:05
88532-4	BCB 7471 270241	0.0954	0.6519	22 Mar 2013 12:26:33
CCV		2.5723	0.1469	22 Mar 2013 12:29:02
CCB		0.0045	25.5990	22 Mar 2013 12:31:30
88532-5	BCB 7471 270241	0.0622	1.6768	22 Mar 2013 12:33:56
88532-6	BCB 7471 270241	0.1341	0.2362	22 Mar 2013 12:36:23
88532-7	BCB 7471 270241	0.0665	0.6485	22 Mar 2013 12:38:52
88532-7S	BCB 7471 270241	1.0549	0.1308	22 Mar 2013 12:41:18
88532-7SD	BCB 7471 270241	1.0430	0.4533	22 Mar 2013 12:43:45
88532-8	BCB 7471 270241	0.0566	0.7619	22 Mar 2013 12:46:12
88532-11	BCB 7471 270241	0.1464	0.7491	22 Mar 2013 12:48:40
88535-2	BCB 7471 270241	0.1801	1.2198	22 Mar 2013 12:51:06
88535-3	BCB 7471 270241	0.3385	0.4756	22 Mar 2013 12:53:33
88339-3	BCB 7471 270241	0.1458	0.6717	22 Mar 2013 12:55:59
CCV		2.5559	0.2253	22 Mar 2013 12:58:28
CCB		0.0062	12.6557	22 Mar 2013 13:00:56
88339-6	BCB 7471 270241	0.9508	0.2968	22 Mar 2013 13:03:24
42730-1	BCB 7471 270241	0.0192	1.0778	22 Mar 2013 13:05:52
42730-2	BCB 7471 270241	0.0395	1.2132	22 Mar 2013 13:08:20
42730-3	BCB 7471 270241	0.0407	1.6361	22 Mar 2013 13:10:47
42730-4	BCB 7471 270241	0.0319	1.1245	22 Mar 2013 13:13:16
CCV		2.5620	0.7476	22 Mar 2013 13:15:43
CCB		0.0033	12.9825	22 Mar 2013 13:18:10

Hg Norm2

Linear



A= 0.0000e+000
 B= 2.5424e-004
 C= -2.1260e-002
 Rho= 0.9997884
 Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.010	-0.010	44	11.025	58	44	31		
0.2	0.200	0.181	-0.019	796	0.1 %	795	797	796		
0.4	0.400	0.404	0.004	1671	0.4 %	1663	1678	1674		
1.0	1.000	0.995	-0.005	3996	0.8 %	3956	4002	4032		
3.0	3.000	3.076	0.076	12182	0.2 %	12194	12200	12154		
5.0	5.000	4.954	-0.046	19569	0.8 %	19392	19550	19766		

C03272013A

Method: Hg Norm2

Operator: Admin

Date of Analysis: 27 Mar 2013 13:14:28

Sample ID	Extended ID	Mean	RSD	Date
blank		44	24.8689	27 Mar 2013 13:14:52
0.2		796	0.1026	27 Mar 2013 13:17:17
0.4		1672	0.3794	27 Mar 2013 13:19:45
1.0		3997	0.7820	27 Mar 2013 13:22:12
3.0		12183	0.1676	27 Mar 2013 13:24:38
5.0		19569	0.7833	27 Mar 2013 13:27:05
ICV		3.0616	0.7250	27 Mar 2013 13:29:31
ICB		-0.0121	-2.9697	27 Mar 2013 13:31:58
CRA		0.1827	0.1735	27 Mar 2013 13:34:25
CCV		2.5940	0.0647	27 Mar 2013 13:36:52
CCB		-0.0110	-5.7625	27 Mar 2013 13:39:18
680-88612-a-20-a	(BCB 7471 270543 10X)	1.4473	0.1138	27 Mar 2013 13:41:45
mb 680-270664/1-a		-0.0115	-15.1202	27 Mar 2013 13:44:10
lcs 680-270664/2-a		2.5382	0.1154	27 Mar 2013 13:46:38
680-88527-a-35-b		1.6351	0.3398	27 Mar 2013 13:49:04
680-88527-a-35-c ms		2.5443	0.5129	27 Mar 2013 13:51:29
680-88527-a-35-d msd		2.5704	0.9420	27 Mar 2013 13:53:54
680-88527-a-36-b		1.8185	0.1598	27 Mar 2013 13:56:20
680-88527-a-37-b		1.0750	0.6767	27 Mar 2013 13:58:47
680-88527-a-38-b		0.9093	0.7938	27 Mar 2013 14:01:13
680-88592-b-19-d		1.7674	0.9995	27 Mar 2013 14:03:40
CCV		2.6043	0.0708	27 Mar 2013 14:06:07
CCB		-0.0105	-11.4177	27 Mar 2013 14:08:35
680-88592-b-19-e ms		2.9604	0.3598	27 Mar 2013 14:11:02
680-88592-b-19-f msd		3.0985	0.5932	27 Mar 2013 14:13:30
680-88592-b-28-b		2.4104	0.5306	27 Mar 2013 14:15:57
680-88592-b-30-b		3.4410	0.4924	27 Mar 2013 14:18:24
680-88592-a-33-b		1.5872	0.8168	27 Mar 2013 14:20:51
680-88592-a-34-b		4.6123	0.3862	27 Mar 2013 14:23:17
680-88592-a-35-b		3.6087	1.2369	27 Mar 2013 14:25:44
680-88451-b-2-a		0.0628	3.3105	27 Mar 2013 14:28:10
680-88638-a-1-b		0.0514	0.6173	27 Mar 2013 14:30:36
680-88638-a-2-b		0.3711	0.6555	27 Mar 2013 14:33:02
CCV		2.6219	0.1358	27 Mar 2013 14:35:29
CCB		-0.0118	-7.3440	27 Mar 2013 14:37:56
680-88638-a-3-b		0.1086	0.4415	27 Mar 2013 14:40:22
680-88638-a-4-b		0.1785	0.0671	27 Mar 2013 14:42:49
mb 680-270670/1-a		0.0056	15.4193	27 Mar 2013 14:45:16
lcs 680-270670/2-a		2.8248	0.2903	27 Mar 2013 14:47:44
680-88632-b-10-a		5.5597	0.0611	27 Mar 2013 14:50:11
680-88632-b-10-b ms		7.0899	0.4990	27 Mar 2013 14:52:38
680-88632-b-10-c msd		5.5800	0.4862	27 Mar 2013 14:55:05
680-88632-b-23-a		3.3695	0.4787	27 Mar 2013 14:57:31
680-88632-b-29-a		2.7020	0.7875	27 Mar 2013 14:59:58
680-88632-b-34-a		2.1644	0.1199	27 Mar 2013 15:02:25
CCV		2.5984	0.8555	27 Mar 2013 15:04:51
CCB		-0.0129	-6.4519	27 Mar 2013 15:07:18
680-88632-a-41-a		3.4904	0.5929	27 Mar 2013 15:09:44
680-88632-a-42-a		1.7773	0.2219	27 Mar 2013 15:12:09
680-88632-a-43-a		7.4933	0.1861	27 Mar 2013 15:14:36
680-88632-a-44-a		5.9762	0.3385	27 Mar 2013 15:17:03
680-88632-b-48-a		3.0071	0.7438	27 Mar 2013 15:19:32
680-88632-a-50-a		2.8086	0.8306	27 Mar 2013 15:22:01
680-88601-a-2-b		0.1962	0.5827	27 Mar 2013 15:24:28
680-88601-a-4-b		0.0415	2.0239	27 Mar 2013 15:26:57
680-88601-a-6-b		0.1441	0.6497	27 Mar 2013 15:29:23
680-88601-a-8-b		0.1156	0.4147	27 Mar 2013 15:31:50
CCV		2.5916	0.5086	27 Mar 2013 15:34:18
CCB		-0.0081	-10.3268	27 Mar 2013 15:36:44
680-88601-a-10-b		0.8144	0.2045	27 Mar 2013 15:39:10
mb 680-270674/1-a		-0.0085	-25.7014	27 Mar 2013 15:41:36
lcs 680-270674/2-a		2.5208	0.1446	27 Mar 2013 15:44:03
680-88582-a-2-b		0.4853	0.1375	27 Mar 2013 15:46:31
680-88582-a-4-b		0.1473	1.2041	27 Mar 2013 15:48:57
680-88582-a-6-b		0.1548	0.9511	27 Mar 2013 15:51:23
680-88582-a-8-a		1.0668	0.8261	27 Mar 2013 15:53:51
680-88582-a-10-b		2.4297	1.1691	27 Mar 2013 15:56:18

C03272013A

Method: Hg Norm2

Operator: Admin

Date of Analysis: 27 Mar 2013 13:14:28

Sample ID	Extended ID	Mean	RSD	Date
680-88582-a-12-a		0.3175	1.0830	27 Mar 2013 15:58:47
680-88582-a-14-b		2.8694	0.3996	27 Mar 2013 16:01:13
CCV		2.6084	0.0965	27 Mar 2013 16:03:39
CCB		-0.0101	-8.2431	27 Mar 2013 16:06:07
680-88582-a-16-a		0.1104	0.9653	27 Mar 2013 16:08:33
680-88582-a-18-b		0.0574	0.7530	27 Mar 2013 16:11:00
680-88582-a-20-b		0.4918	0.3044	27 Mar 2013 16:13:26
680-88582-a-22-f		0.0587	0.5398	27 Mar 2013 16:15:52
680-88582-a-22-g ms		1.0874	1.1947	27 Mar 2013 16:18:20
680-88582-a-22-h msd		1.1094	0.6574	27 Mar 2013 16:20:46
680-88582-a-24-b		0.0369	0.6500	27 Mar 2013 16:23:13
mb 680-270694/1-a		-0.0035	-15.8601	27 Mar 2013 16:25:40
lcs 680-270694/2-a		2.6625	0.5321	27 Mar 2013 16:28:07
680-88539-a-2-i		1.5698	0.4707	27 Mar 2013 16:30:35
CCV		2.6881	0.4969	27 Mar 2013 16:33:02
CCB		0.0026	15.7331	27 Mar 2013 16:35:30
680-88539-a-2-j ms		2.1743	0.3771	27 Mar 2013 16:37:57
680-88539-a-2-k msd		2.6950	0.6390	27 Mar 2013 16:40:25
680-88539-a-4-c		0.2093	0.4894	27 Mar 2013 16:42:53
680-88539-a-6-a		0.0515	0.4034	27 Mar 2013 16:45:19
680-88539-a-8-c		0.1511	0.2379	27 Mar 2013 16:47:46
680-88539-a-10-c		0.6006	0.2609	27 Mar 2013 16:50:13
680-88539-a-12-c		0.0982	1.2854	27 Mar 2013 16:52:40
680-88539-a-14-c		0.3069	0.7105	27 Mar 2013 16:55:07
680-88539-a-16-c		0.2637	0.3182	27 Mar 2013 16:57:33
680-88539-a-18-c		0.6683	0.5390	27 Mar 2013 17:00:00
CCV		2.6437	0.2244	27 Mar 2013 17:02:27
CCB		-0.0013	-32.1462	27 Mar 2013 17:04:55
680-88539-a-20-a		3.5893	0.1736	27 Mar 2013 17:07:21
CCV		2.6415	0.0640	27 Mar 2013 17:09:47
CCB		-0.0033	-23.8630	27 Mar 2013 17:12:14
CCV		2.5718	0.2487	28 Mar 2013 09:05:34
CCB		0.0004	360.9793	28 Mar 2013 09:08:00
680-88632-b-10-a	^5	1.1745	0.1840	28 Mar 2013 09:10:27
680-88632-b-10-b ms	^5	1.4166	0.2135	28 Mar 2013 09:12:52
680-88632-b-10-c msd	^5	1.0869	0.3221	28 Mar 2013 09:15:18
680-88632-a-43-a	^5	1.4628	0.3407	28 Mar 2013 09:17:43
680-88632-a-44-a	^5	1.1705	0.4816	28 Mar 2013 09:20:09
CCV		2.6366	0.6211	28 Mar 2013 09:22:35
CCB		0.0083	12.8083	28 Mar 2013 09:25:02

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270488 Batch Start Date: 03/25/13 09:29 Batch Analyst: Boyuk, Brian

Batch Method: 200.7 Batch End Date: 03/25/13 13:48

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	MS Cal Stk 00019	MS LCS1 WK 00001	MS LCS2 wk 00142
MB 680-270488/1		200.7, 200.7 Rev 4.4			50 mL	50 mL			
LCS 680-270488/3		200.7, 200.7 Rev 4.4			50 mL	50 mL	1 mL		0.5 mL
680-88440-C-10 MS		200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL		0.5 mL	0.5 mL
680-88440-C-10 MSD		200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL		0.5 mL	0.5 mL
680-88527-C-34	032013-RB-Bowls + Spoons	200.7, 200.7 Rev 4.4	T	<2	50 mL	50 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.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270365 Batch Start Date: 03/22/13 14:09 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 03/22/13 18:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS LCS1 WK 00001	MS LCS2 wk 00142
MB 680-270365/1		3050B, 6010C		CALC NOT SET TO RUN	1.03 g	100 mL			
LCS 680-270365/3		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL	2 mL		
680-88527-B-5	CV1318B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-88527-B-5 MS	CV1318B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL		1 mL	1 mL
680-88527-B-5 MSD	CV1318B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL		1 mL	1 mL
680-88527-B-7	CV1319B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-88527-B-14	CV1360F-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-88527-B-15	CV1360G-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-88527-A-35	CV1318B-CS-sieve	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-88527-A-36	CV1319B-CS-sieve	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-88527-A-37	CV1360F-CS-sieve	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-88527-A-38	CV1360G-CS-sieve	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 680-270365/1		3050B, 6010C							
LCS 680-270365/3		3050B, 6010C		SN LCS					
680-88527-B-5	CV1318B-CS	3050B, 6010C	T						
680-88527-B-5 MS	CV1318B-CS	3050B, 6010C	T						
680-88527-B-5 MSD	CV1318B-CS	3050B, 6010C	T						
680-88527-B-7	CV1319B-CS	3050B, 6010C	T						
680-88527-B-14	CV1360F-CS	3050B, 6010C	T						
680-88527-B-15	CV1360G-CS	3050B, 6010C	T						
680-88527-A-35	CV1318B-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.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270365 Batch Start Date: 03/22/13 14:09 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 03/22/13 18:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
680-88527-A-36	CV1319B-CS-sieve	3050B, 6010C	T						
680-88527-A-37	CV1360F-CS-sieve	3050B, 6010C	T						
680-88527-A-38	CV1360G-CS-sieve	3050B, 6010C	T						

Batch Notes	
Analyst	RM
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	95 Degrees C
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.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270865 Batch Start Date: 03/27/13 11:16 Batch Analyst: Umbehr, Uli

Batch Method: 245.1 Batch End Date: 03/27/13 18:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment
MB 680-270865/1		245.1, 245.1			50 mL	50 mL			
LCS 680-270865/2		245.1, 245.1			50 mL	50 mL		0.25 mL	
680-88562-D-1 MS		245.1, 245.1	T	<2	50 mL	50 mL		0.1 mL	
680-88562-D-1 MSD		245.1, 245.1	T	<2	50 mL	50 mL		0.1 mL	
680-88527-C-34	032013-RB-Bowls + Spoons	245.1, 245.1	T	<2	50 mL	50 mL			
CCV 680-270865/20		245.1, 245.1		<2	50 mL	50 mL		0.25 mL	
CCB 680-270865/21		245.1, 245.1		<2	50 mL	50 mL			
ICV 680-270865/23		245.1, 245.1		<2	50 mL	50 mL	0.15 mL		
ICB 680-270865/24		245.1, 245.1		<2	50 mL	50 mL			
CRA 680-270865/25		245.1, 245.1		<2	50 mL	50 mL		0.02 mL	0.20 standards used.

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270865 Batch Start Date: 03/27/13 11:16 Batch Analyst: Umbeh, Uli

Batch Method: 245.1 Batch End Date: 03/27/13 18:45

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965831
Hydroxylamine Hydrochloride Lot	3009312
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	3001827
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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270110 Batch Start Date: 03/21/13 09:25 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment	
CCV 680-270110/31		7471A, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-270110/32		7471A, 7471B		50 mL	50 mL				
ICV 680-270110/34		7471A, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-270110/35		7471A, 7471B		50 mL	50 mL				
CRA 680-270110/36		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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270110 Batch Start Date: 03/21/13 09:25 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: _____

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.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270241 Batch Start Date: 03/21/13 16:41 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00090			
MB 680-270241/1		7471B, 7471B		0.51 g	50 mL				
LCS 680-270241/2		7471B, 7471B		0.51 g	50 mL	0.25 mL			
680-88527-B-5	CV1318B-CS	7471B, 7471B	T	0.53 g	50 mL				
680-88527-B-5 MS	CV1318B-CS	7471B, 7471B	T	0.54 g	50 mL	0.1 mL			
680-88527-B-5 MSD	CV1318B-CS	7471B, 7471B	T	0.56 g	50 mL	0.1 mL			
680-88527-B-7	CV1319B-CS	7471B, 7471B	T	0.50 g	50 mL				
680-88527-B-14	CV1360F-CS	7471B, 7471B	T	0.56 g	50 mL				
680-88527-B-15	CV1360G-CS	7471B, 7471B	T	0.59 g	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270241 Batch Start Date: 03/21/13 16:41 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: _____

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270664 Batch Start Date: 03/26/13 10:14 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 03/26/13 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment	
MB 680-270664/1		7471B, 7471B		0.54 g	50 mL				
LCS 680-270664/2		7471B, 7471B		0.54 g	50 mL		0.25 mL		
680-88527-A-35	CV1318B-CS-sieve	7471B, 7471B	T	0.55 g	50 mL				
680-88527-A-35 MS	CV1318B-CS-sieve	7471B, 7471B	T	0.56 g	50 mL		0.1 mL		
680-88527-A-35 MSD	CV1318B-CS-sieve	7471B, 7471B	T	0.56 g	50 mL		0.1 mL		
680-88527-A-36	CV1319B-CS-sieve	7471B, 7471B	T	0.56 g	50 mL				
680-88527-A-37	CV1360F-CS-sieve	7471B, 7471B	T	0.57 g	50 mL				
680-88527-A-38	CV1360G-CS-sieve	7471B, 7471B	T	0.57 g	50 mL				
CCV 680-270664/29		7471B, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-270664/30		7471B, 7471B		50 mL	50 mL				
ICV 680-270664/32		7471B, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-270664/33		7471B, 7471B		50 mL	50 mL				
CRA 680-270664/34		7471B, 7471B		50 mL	50 mL		0.02 mL	0.20 standard used.	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88527-3

SDG No.: 68088527-2

Batch Number: 270664 Batch Start Date: 03/26/13 10:14 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 03/26/13 16:00

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
Repitettor 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.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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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 1 OF 3
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TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY <input type="radio"/>
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(b) (6)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REMARKS
						DATE DUE _____ EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/> DATE DUE _____

COMPAINT CONTRACTING THIS WORK (if applicable)	PRESERVATIVE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
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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							1	2	3	4	5	6	7	8	9	10		11	12			
3-19-13	1119	CV0581A-CS	C	X			X																
	1125	CV0581B-CS	C	X			X																
	1135	CV0581C- CS GS	G	X			X																
	1233	CV1318A-CS	C	X			X																
	1240	CV1318B-CS	C	X			X	X															
	1205	CV1319A-CS	C	X			X																
	1215	CV1319B-CS	C	X			X	X															
	1135	CV1360A-CS	C	X			X																
	1135	CV1360A-CSD	C	X			X																
	1145	CV1360B-CS	C	X			X																
	1155	CV1360C-CS	C	X			X																
	1220	CV1360D-CS	C	X			X																

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-20-13	TIME 1130	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 03/21/13	TIME 0044	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO. 88527	SAVANNAH LOG NO. 1000	LABORATORY REMARKS 3.8 ^c

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</i>	OF <i>4</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	LL PAH RCRA 8 Metals	STANDARD REPORT DELIVERY <input type="radio"/>	
			AQUEOUS (WATER)		DATE DUE _____	
			SOLID OR SEMISOLID	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>		DATE DUE _____
			AIR	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		
			NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	PRESERVATIVE		

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

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							1	2	3	4	5	6	7	8	9	10	
<i>3-19-13</i>	<i>1225</i>	<i>CV1360 E - CS</i>	<i>C</i>	<i>V</i>			<i>X</i>											
	<i>1250</i>	<i>CV1360 F - CS</i>	<i>C</i>	<i>A</i>			<i>X</i>	<i>X</i>										
	<i>1300</i>	<i>CV1360 G - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>										
	<i>1315</i>	<i>CV1360 H - CS</i>	<i>C</i>	<i>X</i>														
	<i>1310</i>	<i>CV1360 I - CS</i>	<i>C</i>	<i>X</i>														
	<i>1330</i>	<i>CV1360 J - CS</i>	<i>C</i>	<i>X</i>														
	<i>1345</i>	<i>CV1360 K - CS</i>	<i>C</i>	<i>X</i>														
	<i>1348</i>	<i>CV1360 K - CSD</i>	<i>C</i>	<i>X</i>														
	<i>1350</i>	<i>CV1360 L - CS</i>	<i>C</i>	<i>X</i>														
	<i>1354</i>	<i>CV1360 M - CS</i>	<i>C</i>	<i>X</i>														
	<i>1400</i>	<i>CV1360 N - CS</i>	<i>C</i>	<i>X</i>														
	<i>1410</i>	<i>CV1360 O - CS</i>	<i>C</i>	<i>X</i>														

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-20-13</i>	TIME <i>1130</i>	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 <i>03/21/13</i>	TIME <i>0944</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680</i> <i>88527</i>	LABORATORY REMARKS <i>3.8°</i>
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i> OF <i>4</i>
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TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.	FAX	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
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(b) (6)

COMPANY ADDRESS	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PPAH	PCEA & Metals	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
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COMPANY CONTRACTING THIS WORK (if applicable)	PRESERVATIVE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
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SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS						
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12				
3-19-13	1420	CV1360 P-CS	C	X			X																	
	1440	CV1360 Q-CS	C	X			X																	
	1445	CV1360 R-CS	C	X			X																	
	1453	CV1360 S-CS	C	X			X																	
	1523	CV1360 T-CS	C	X			X																	
	1705	CV1360 AB-GS	G	X			X																	
	1429	CV1360 AC-GS	G	X			X																	
	1448	CV1360 AD-GS	G	X			X																	
	1455	CV1360 AE-GS	G	X			X																	
3-20-13	1030	032013-RB-Bowls + Spoons	X	X			X	X																

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-20-13	TIME 1130	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 03/21/13	TIME 0944	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 682 80527	LABORATORY REMARKS 3.8c		

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>4</i>	OF <i>4</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY <input type="radio"/>	

(b) (6)

INTERNET FAX

COMPOSITE (C) OR GRAB (G) INDICATE

AQUEOUS (WATER)

SOLID OR SEMISOLID

AIR

NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

BTX
RCRA 8 Metals

PRESERVATIVE

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

COMPANY CONTRACTING THIS WORK (if applicable)

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											
<i>3-19-13</i>	<i>1240</i>	<i>CV1318B-CS-Sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>				
	<i>1215</i>	<i>CV1319 CV1319B-CS-Sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>				
	<i>1250</i>	<i>CV1360 F-CS-sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>				
	<i>1300</i>	<i>CV1360 G-CS-sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>				

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-20-13</i>	TIME <i>1130</i>	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 <i>03/21/13</i>	TIME <i>0944</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88527</i>	LABORATORY REMARKS <i>3.8°C</i>
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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-88527-3

TestAmerica Sample Delivery Group: 68088527-2

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/3/2013 11:35:08 AM

Bernard Kirkland

Project Manager I

bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.



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Case Narrative

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Job ID: 680-88527-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88527-3

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 03/21/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

METALS (ICP)-Water

Sample 032013-RB-Bowls + Spoons (680-88527-34) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 03/25/2013 and analyzed on 03/27/2013.

Silver recovered outside the recovery criteria for the MS/MSD of sample 680-88440-10 in batch 680-271074.

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 metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY-Water

Sample 032013-RB-Bowls + Spoons (680-88527-34) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 03/27/2013 and analyzed on 03/28/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV1318B-CS (680-88527-5), CV1319B-CS (680-88527-7), CV1360F-CS (680-88527-14), CV1360G-CS (680-88527-15), CV1318B-CS-sieve (680-88527-35), CV1319B-CS-sieve (680-88527-36), CV1360F-CS-sieve (680-88527-37) and CV1360G-CS-sieve (680-88527-38) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/22/2013 and analyzed on 03/27/2013 and 03/28/2013.

Sample CV1319B-CS (680-88527-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1318B-CS (680-88527-5) in batch 680-270869.

Case Narrative

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Job ID: 680-88527-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Also, Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1318B-CS (680-88527-5), CV1319B-CS (680-88527-7), CV1360F-CS (680-88527-14), CV1360G-CS (680-88527-15), CV1318B-CS-sieve (680-88527-35), CV1319B-CS-sieve (680-88527-36), CV1360F-CS-sieve (680-88527-37) and CV1360G-CS-sieve (680-88527-38) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/21/2013 and 03/26/2013 and analyzed on 03/22/2013 and 03/27/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV1318B-CSMSD (680-88527-5) in batch 680-270366.

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: 680-88527-3
SDG: 68088527-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88527-5	CV1318B-CS	Solid	03/19/13 12:40	03/21/13 09:44
680-88527-7	CV1319B-CS	Solid	03/19/13 12:15	03/21/13 09:44
680-88527-14	CV1360F-CS	Solid	03/19/13 12:50	03/21/13 09:44
680-88527-15	CV1360G-CS	Solid	03/19/13 13:00	03/21/13 09:44
680-88527-34	032013-RB-Bowls + Spoons	Water	03/20/13 10:30	03/21/13 09:44
680-88527-35	CV1318B-CS-sieve	Solid	03/19/13 12:40	03/21/13 09:44
680-88527-36	CV1319B-CS-sieve	Solid	03/19/13 12:15	03/21/13 09:44
680-88527-37	CV1360F-CS-sieve	Solid	03/19/13 12:50	03/21/13 09:44
680-88527-38	CV1360G-CS-sieve	Solid	03/19/13 13:00	03/21/13 09:44

Method Summary

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

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: 680-88527-3
SDG: 68088527-2

Qualifiers

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: 680-88527-3
SDG: 68088527-2

Client Sample ID: CV1318B-CS

Lab Sample ID: 680-88527-5

Date Collected: 03/19/13 12:40

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 64.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		3.1	0.91	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Barium	320		1.5	0.46	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Cadmium	2.4		0.77	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Chromium	62		1.5	0.77	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Lead	300		1.5	0.82	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Selenium	3.9	U	3.9	1.5	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1
Silver	1.5	U	1.5	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.029	0.012	mg/Kg	☼	03/21/13 16:41	03/22/13 12:09	1

Client Sample ID: CV1319B-CS

Lab Sample ID: 680-88527-7

Date Collected: 03/19/13 12:15

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 67.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.8	0.84	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Barium	380		1.4	0.43	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Cadmium	21		0.71	0.14	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Chromium	43		1.4	0.71	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Lead	3700		14	7.5	mg/Kg	☼	03/22/13 14:09	03/28/13 04:21	10
Selenium	3.6	U	3.6	1.4	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	1
Silver	0.94	J	1.4	0.14	mg/Kg	☼	03/22/13 14:09	03/27/13 00:52	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	0.23		0.030	0.012	mg/Kg	☼	03/21/13 16:41	03/22/13 12:16	1

Client Sample ID: CV1360F-CS

Lab Sample ID: 680-88527-14

Date Collected: 03/19/13 12:50

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 60.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		3.1	0.90	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Barium	300		1.5	0.46	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Cadmium	2.2		0.77	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Chromium	130		1.5	0.77	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Lead	830		1.5	0.81	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Selenium	2.9	J	3.8	1.5	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	1
Silver	0.35	J	1.5	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 00:57	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		0.030	0.012	mg/Kg	☼	03/21/13 16:41	03/22/13 12:19	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Client Sample ID: CV1360G-CS

Lab Sample ID: 680-88527-15

Date Collected: 03/19/13 13:00

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 61.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		3.1	0.92	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	1
Barium	380		1.6	0.47	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	1
Cadmium	2.7		0.78	0.16	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	1
Chromium	190		1.6	0.78	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	1
Lead	630		1.6	0.83	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	1
Selenium	3.1	J	3.9	1.6	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	1
Silver	0.44	J	1.6	0.15	mg/Kg	☼	03/22/13 14:09	03/27/13 01:03	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		0.028	0.011	mg/Kg	☼	03/21/13 16:41	03/22/13 12:21	1

Client Sample ID: 032013-RB-Bowls + Spoons

Lab Sample ID: 680-88527-34

Date Collected: 03/20/13 10:30

Matrix: Water

Date Received: 03/21/13 09:44

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		03/25/13 09:29	03/27/13 14:01	1
Barium	10	U	10	2.3	ug/L		03/25/13 09:29	03/27/13 14:01	1
Cadmium	5.0	U	5.0	2.0	ug/L		03/25/13 09:29	03/27/13 14:01	1
Chromium	10	U	10	1.2	ug/L		03/25/13 09:29	03/27/13 14:01	1
Lead	10	U	10	4.0	ug/L		03/25/13 09:29	03/27/13 14:01	1
Selenium	20	U	20	6.4	ug/L		03/25/13 09:29	03/27/13 14:01	1
Silver	10	U	10	0.89	ug/L		03/25/13 09:29	03/27/13 14:01	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		03/27/13 11:16	03/28/13 11:25	1

Client Sample ID: CV1318B-CS-sieve

Lab Sample ID: 680-88527-35

Date Collected: 03/19/13 12:40

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 80.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.3	0.69	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	1
Barium	190		1.2	0.35	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	1
Cadmium	1.9		0.58	0.12	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	1
Chromium	49		1.2	0.58	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	1
Lead	250		1.2	0.62	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	03/22/13 14:09	03/27/13 01:08	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	0.19		0.023	0.0093	mg/Kg	☼	03/26/13 10:14	03/27/13 13:49	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Client Sample ID: CV1319B-CS-sieve

Lab Sample ID: 680-88527-36

Date Collected: 03/19/13 12:15

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 81.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.4	0.71	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	1
Barium	280		1.2	0.36	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	1
Cadmium	20		0.60	0.12	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	1
Chromium	36		1.2	0.60	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	1
Lead	420		1.2	0.63	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	1
Silver	0.39	J	1.2	0.12	mg/Kg	☼	03/22/13 14:09	03/27/13 01:14	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	0.20		0.022	0.0089	mg/Kg	☼	03/26/13 10:14	03/27/13 13:56	1

Client Sample ID: CV1360F-CS-sieve

Lab Sample ID: 680-88527-37

Date Collected: 03/19/13 12:50

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 78.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		2.4	0.71	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	1
Barium	270		1.2	0.36	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	1
Cadmium	1.9		0.60	0.12	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	1
Chromium	94		1.2	0.60	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	1
Lead	590		1.2	0.63	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	1
Selenium	2.2	J	3.0	1.2	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	1
Silver	0.25	J	1.2	0.11	mg/Kg	☼	03/22/13 14:09	03/27/13 01:19	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		0.022	0.0091	mg/Kg	☼	03/26/13 10:14	03/27/13 13:58	1

Client Sample ID: CV1360G-CS-sieve

Lab Sample ID: 680-88527-38

Date Collected: 03/19/13 13:00

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 78.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		2.5	0.72	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	1
Barium	330		1.2	0.37	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	1
Cadmium	2.8		0.61	0.12	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	1
Chromium	84		1.2	0.61	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	1
Lead	450		1.2	0.65	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	1
Selenium	2.9	J	3.1	1.2	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	1
Silver	0.36	J	1.2	0.12	mg/Kg	☼	03/22/13 14:09	03/27/13 01:25	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	0.10		0.022	0.0092	mg/Kg	☼	03/26/13 10:14	03/27/13 14:01	1

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-270488/1-A
 Matrix: Water
 Analysis Batch: 271074

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 270488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20	U	20	4.6	ug/L		03/25/13 09:29	03/27/13 11:23	1
Barium	10	U	10	2.3	ug/L		03/25/13 09:29	03/27/13 11:23	1
Cadmium	5.0	U	5.0	2.0	ug/L		03/25/13 09:29	03/27/13 11:23	1
Chromium	10	U	10	1.2	ug/L		03/25/13 09:29	03/27/13 11:23	1
Lead	10	U	10	4.0	ug/L		03/25/13 09:29	03/27/13 11:23	1
Selenium	20	U	20	6.4	ug/L		03/25/13 09:29	03/27/13 11:23	1
Silver	10	U	10	0.89	ug/L		03/25/13 09:29	03/27/13 11:23	1

Lab Sample ID: LCS 680-270488/3-A
 Matrix: Water
 Analysis Batch: 271074

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 270488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	205		ug/L		102	85 - 115
Barium	200	195		ug/L		97	85 - 115
Cadmium	200	191		ug/L		95	85 - 115
Chromium	200	189		ug/L		94	85 - 115
Lead	200	193		ug/L		97	85 - 115
Selenium	200	195		ug/L		97	85 - 115
Silver	200	206		ug/L		103	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-270865/1-A
 Matrix: Water
 Analysis Batch: 271095

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 270865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/27/13 11:16	03/28/13 11:08	1

Lab Sample ID: LCS 680-270865/2-A
 Matrix: Water
 Analysis Batch: 271095

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 270865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.49		ug/L		100	85 - 115

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-270365/1-A
 Matrix: Solid
 Analysis Batch: 270869

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 270365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.57	mg/Kg		03/22/13 14:09	03/26/13 22:47	1
Barium	0.97	U	0.97	0.29	mg/Kg		03/22/13 14:09	03/26/13 22:47	1
Cadmium	0.49	U	0.49	0.097	mg/Kg		03/22/13 14:09	03/26/13 22:47	1
Chromium	0.97	U	0.97	0.49	mg/Kg		03/22/13 14:09	03/26/13 22:47	1

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 680-270365/1-A
Matrix: Solid
Analysis Batch: 270869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270365

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.97	U	0.97	0.51	mg/Kg		03/22/13 14:09	03/26/13 22:47	1
Selenium	2.4	U	2.4	0.97	mg/Kg		03/22/13 14:09	03/26/13 22:47	1
Silver	0.97	U	0.97	0.093	mg/Kg		03/22/13 14:09	03/26/13 22:47	1

Lab Sample ID: LCS 680-270365/3-A
Matrix: Solid
Analysis Batch: 270869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270365

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Arsenic	19.8	21.4		mg/Kg		108	75 - 125
Barium	19.8	20.2		mg/Kg		102	75 - 125
Cadmium	19.8	19.5		mg/Kg		99	75 - 125
Chromium	19.8	19.5		mg/Kg		98	75 - 125
Lead	19.8	19.6		mg/Kg		99	75 - 125
Selenium	19.8	20.6		mg/Kg		104	75 - 125
Silver	19.8	21.3		mg/Kg		108	75 - 125

Lab Sample ID: 680-88527-5 MS
Matrix: Solid
Analysis Batch: 270869

Client Sample ID: CV1318B-CS
Prep Type: Total/NA
Prep Batch: 270365

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Arsenic	33		15.6	44.2		mg/Kg	☼	75	75 - 125
Barium	320		15.6	304	4	mg/Kg	☼	-131	75 - 125
Cadmium	2.4		7.79	9.73		mg/Kg	☼	94	75 - 125
Chromium	62		15.6	69.5	F	mg/Kg	☼	47	75 - 125
Lead	300		7.79	272	4	mg/Kg	☼	-353	75 - 125
Selenium	3.9	U	15.6	14.5		mg/Kg	☼	93	75 - 125
Silver	1.5	U	7.79	2.23	F	mg/Kg	☼	29	75 - 125

Lab Sample ID: 680-88527-5 MSD
Matrix: Solid
Analysis Batch: 270869

Client Sample ID: CV1318B-CS
Prep Type: Total/NA
Prep Batch: 270365

Analyte	Sample Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Arsenic	33		15.4	48.5		mg/Kg	☼	104	75 - 125	9	20
Barium	320		15.4	284	4	mg/Kg	☼	-262	75 - 125	7	20
Cadmium	2.4		7.71	9.40		mg/Kg	☼	91	75 - 125	3	20
Chromium	62		15.4	90.2	4 F	mg/Kg	☼	182	75 - 125	26	20
Lead	300		7.71	232	4	mg/Kg	☼	-868	75 - 125	16	20
Selenium	3.9	U	15.4	15.4		mg/Kg	☼	100	75 - 125	6	20
Silver	1.5	U	7.71	1.99	F	mg/Kg	☼	26	75 - 125	11	20

QC Sample Results

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

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

Lab Sample ID: MB 680-270241/1-A
Matrix: Solid
Analysis Batch: 270366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0080	mg/Kg		03/21/13 16:41	03/22/13 12:04	1

Lab Sample ID: LCS 680-270241/2-A
Matrix: Solid
Analysis Batch: 270366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.245	0.243		mg/Kg		99	80 - 120

Lab Sample ID: 680-88527-5 MS
Matrix: Solid
Analysis Batch: 270366

Client Sample ID: CV1318B-CS
Prep Type: Total/NA
Prep Batch: 270241

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.24		0.144	0.359		mg/Kg	☼	85	80 - 120

Lab Sample ID: 680-88527-5 MSD
Matrix: Solid
Analysis Batch: 270366

Client Sample ID: CV1318B-CS
Prep Type: Total/NA
Prep Batch: 270241

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.24		0.139	0.339	F	mg/Kg	☼	73	80 - 120	6	20

Lab Sample ID: MB 680-270664/1-A
Matrix: Solid
Analysis Batch: 271035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0076	mg/Kg		03/26/13 10:14	03/27/13 13:44	1

Lab Sample ID: LCS 680-270664/2-A
Matrix: Solid
Analysis Batch: 271035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.231	0.235		mg/Kg		102	80 - 120

Lab Sample ID: 680-88527-35 MS
Matrix: Solid
Analysis Batch: 271035

Client Sample ID: CV1318B-CS-sieve
Prep Type: Total/NA
Prep Batch: 270664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.19		0.111	0.283		mg/Kg	☼	88	80 - 120

Lab Sample ID: 680-88527-35 MSD
Matrix: Solid
Analysis Batch: 271035

Client Sample ID: CV1318B-CS-sieve
Prep Type: Total/NA
Prep Batch: 270664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.19		0.111	0.286		mg/Kg	☼	91	80 - 120	1	20

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

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QC Association Summary

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Metals

Prep Batch: 270241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-5	CV1318B-CS	Total/NA	Solid	7471B	
680-88527-5 MS	CV1318B-CS	Total/NA	Solid	7471B	
680-88527-5 MSD	CV1318B-CS	Total/NA	Solid	7471B	
680-88527-7	CV1319B-CS	Total/NA	Solid	7471B	
680-88527-14	CV1360F-CS	Total/NA	Solid	7471B	
680-88527-15	CV1360G-CS	Total/NA	Solid	7471B	
LCS 680-270241/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-270241/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 270365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-5	CV1318B-CS	Total/NA	Solid	3050B	
680-88527-5 MS	CV1318B-CS	Total/NA	Solid	3050B	
680-88527-5 MSD	CV1318B-CS	Total/NA	Solid	3050B	
680-88527-7	CV1319B-CS	Total/NA	Solid	3050B	
680-88527-14	CV1360F-CS	Total/NA	Solid	3050B	
680-88527-15	CV1360G-CS	Total/NA	Solid	3050B	
680-88527-35	CV1318B-CS-sieve	Total/NA	Solid	3050B	
680-88527-36	CV1319B-CS-sieve	Total/NA	Solid	3050B	
680-88527-37	CV1360F-CS-sieve	Total/NA	Solid	3050B	
680-88527-38	CV1360G-CS-sieve	Total/NA	Solid	3050B	
LCS 680-270365/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-270365/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 270366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-5	CV1318B-CS	Total/NA	Solid	7471B	270241
680-88527-5 MS	CV1318B-CS	Total/NA	Solid	7471B	270241
680-88527-5 MSD	CV1318B-CS	Total/NA	Solid	7471B	270241
680-88527-7	CV1319B-CS	Total/NA	Solid	7471B	270241
680-88527-14	CV1360F-CS	Total/NA	Solid	7471B	270241
680-88527-15	CV1360G-CS	Total/NA	Solid	7471B	270241
LCS 680-270241/2-A	Lab Control Sample	Total/NA	Solid	7471B	270241
MB 680-270241/1-A	Method Blank	Total/NA	Solid	7471B	270241

Prep Batch: 270488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-34	032013-RB-Bowls + Spoons	Total/NA	Water	200.7	
LCS 680-270488/3-A	Lab Control Sample	Total/NA	Water	200.7	
MB 680-270488/1-A	Method Blank	Total/NA	Water	200.7	

Prep Batch: 270664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-35	CV1318B-CS-sieve	Total/NA	Solid	7471B	
680-88527-35 MS	CV1318B-CS-sieve	Total/NA	Solid	7471B	
680-88527-35 MSD	CV1318B-CS-sieve	Total/NA	Solid	7471B	
680-88527-36	CV1319B-CS-sieve	Total/NA	Solid	7471B	
680-88527-37	CV1360F-CS-sieve	Total/NA	Solid	7471B	
680-88527-38	CV1360G-CS-sieve	Total/NA	Solid	7471B	
LCS 680-270664/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-270664/1-A	Method Blank	Total/NA	Solid	7471B	

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Metals (Continued)

Prep Batch: 270865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-34	032013-RB-Bowls + Spoons	Total/NA	Water	245.1	
LCS 680-270865/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-270865/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 270869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-5	CV1318B-CS	Total/NA	Solid	6010C	270365
680-88527-5 MS	CV1318B-CS	Total/NA	Solid	6010C	270365
680-88527-5 MSD	CV1318B-CS	Total/NA	Solid	6010C	270365
680-88527-7	CV1319B-CS	Total/NA	Solid	6010C	270365
680-88527-14	CV1360F-CS	Total/NA	Solid	6010C	270365
680-88527-15	CV1360G-CS	Total/NA	Solid	6010C	270365
680-88527-35	CV1318B-CS-sieve	Total/NA	Solid	6010C	270365
680-88527-36	CV1319B-CS-sieve	Total/NA	Solid	6010C	270365
680-88527-37	CV1360F-CS-sieve	Total/NA	Solid	6010C	270365
680-88527-38	CV1360G-CS-sieve	Total/NA	Solid	6010C	270365
LCS 680-270365/3-A	Lab Control Sample	Total/NA	Solid	6010C	270365
MB 680-270365/1-A	Method Blank	Total/NA	Solid	6010C	270365

Analysis Batch: 271035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-35	CV1318B-CS-sieve	Total/NA	Solid	7471B	270664
680-88527-35 MS	CV1318B-CS-sieve	Total/NA	Solid	7471B	270664
680-88527-35 MSD	CV1318B-CS-sieve	Total/NA	Solid	7471B	270664
680-88527-36	CV1319B-CS-sieve	Total/NA	Solid	7471B	270664
680-88527-37	CV1360F-CS-sieve	Total/NA	Solid	7471B	270664
680-88527-38	CV1360G-CS-sieve	Total/NA	Solid	7471B	270664
LCS 680-270664/2-A	Lab Control Sample	Total/NA	Solid	7471B	270664
MB 680-270664/1-A	Method Blank	Total/NA	Solid	7471B	270664

Analysis Batch: 271074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-34	032013-RB-Bowls + Spoons	Total/NA	Water	200.7 Rev 4.4	270488
LCS 680-270488/3-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	270488
MB 680-270488/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	270488

Analysis Batch: 271075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-7	CV1319B-CS	Total/NA	Solid	6010C	270365

Analysis Batch: 271095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-34	032013-RB-Bowls + Spoons	Total/NA	Water	245.1	270865
LCS 680-270865/2-A	Lab Control Sample	Total/NA	Water	245.1	270865
MB 680-270865/1-A	Method Blank	Total/NA	Water	245.1	270865

QC Association Summary

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

General Chemistry

Analysis Batch: 135709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-5	CV1318B-CS	Total/NA	Solid	Moisture	
680-88527-5 MS	CV1318B-CS	Total/NA	Solid	Moisture	
680-88527-5 MSD	CV1318B-CS	Total/NA	Solid	Moisture	
680-88527-7	CV1319B-CS	Total/NA	Solid	Moisture	
680-88527-14	CV1360F-CS	Total/NA	Solid	Moisture	
680-88527-15	CV1360G-CS	Total/NA	Solid	Moisture	
MB 660-135709/1	Method Blank	Total/NA	Solid	Moisture	

Analysis Batch: 270239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88527-35	CV1318B-CS-sieve	Total/NA	Solid	Moisture	
680-88527-36	CV1319B-CS-sieve	Total/NA	Solid	Moisture	
680-88527-37	CV1360F-CS-sieve	Total/NA	Solid	Moisture	
680-88527-38	CV1360G-CS-sieve	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Client Sample ID: CV1318B-CS

Lab Sample ID: 680-88527-5

Date Collected: 03/19/13 12:40

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 64.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			270241	03/21/13 16:41	UU	TAL SAV
Total/NA	Analysis	7471B		1	270366	03/22/13 12:09	BCB	TAL SAV
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 00:14	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135709	03/25/13 06:21	AG	TAL TAM

Client Sample ID: CV1319B-CS

Lab Sample ID: 680-88527-7

Date Collected: 03/19/13 12:15

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			270241	03/21/13 16:41	UU	TAL SAV
Total/NA	Analysis	7471B		1	270366	03/22/13 12:16	BCB	TAL SAV
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 00:52	BCB	TAL SAV
Total/NA	Analysis	6010C		10	271075	03/28/13 04:21	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135709	03/25/13 06:21	AG	TAL TAM

Client Sample ID: CV1360F-CS

Lab Sample ID: 680-88527-14

Date Collected: 03/19/13 12:50

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 60.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			270241	03/21/13 16:41	UU	TAL SAV
Total/NA	Analysis	7471B		1	270366	03/22/13 12:19	BCB	TAL SAV
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 00:57	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135709	03/25/13 06:21	AG	TAL TAM

Client Sample ID: CV1360G-CS

Lab Sample ID: 680-88527-15

Date Collected: 03/19/13 13:00

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 61.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			270241	03/21/13 16:41	UU	TAL SAV
Total/NA	Analysis	7471B		1	270366	03/22/13 12:21	BCB	TAL SAV
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 01:03	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135709	03/25/13 06:21	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

Client Sample ID: 032013-RB-Bowls + Spoons

Lab Sample ID: 680-88527-34

Date Collected: 03/20/13 10:30

Matrix: Water

Date Received: 03/21/13 09:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.7			270488	03/25/13 09:29	BB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	271074	03/27/13 14:01	BCB	TAL SAV
Total/NA	Prep	245.1			270865	03/27/13 11:16	UU	TAL SAV
Total/NA	Analysis	245.1		1	271095	03/28/13 11:25	BCB	TAL SAV

Client Sample ID: CV1318B-CS-sieve

Lab Sample ID: 680-88527-35

Date Collected: 03/19/13 12:40

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 01:08	BCB	TAL SAV
Total/NA	Prep	7471B			270664	03/26/13 10:14	UU	TAL SAV
Total/NA	Analysis	7471B		1	271035	03/27/13 13:49	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	270239	03/21/13 17:40	FS	TAL SAV

Client Sample ID: CV1319B-CS-sieve

Lab Sample ID: 680-88527-36

Date Collected: 03/19/13 12:15

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 01:14	BCB	TAL SAV
Total/NA	Prep	7471B			270664	03/26/13 10:14	UU	TAL SAV
Total/NA	Analysis	7471B		1	271035	03/27/13 13:56	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	270239	03/21/13 17:40	FS	TAL SAV

Client Sample ID: CV1360F-CS-sieve

Lab Sample ID: 680-88527-37

Date Collected: 03/19/13 12:50

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 01:19	BCB	TAL SAV
Total/NA	Prep	7471B			270664	03/26/13 10:14	UU	TAL SAV
Total/NA	Analysis	7471B		1	271035	03/27/13 13:58	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	270239	03/21/13 17:40	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-88527-3
SDG: 68088527-2

Client Sample ID: CV1360G-CS-sieve

Lab Sample ID: 680-88527-38

Date Collected: 03/19/13 13:00

Matrix: Solid

Date Received: 03/21/13 09:44

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			270365	03/22/13 14:09	JKL	TAL SAV
Total/NA	Analysis	6010C		1	270869	03/27/13 01:25	BCB	TAL SAV
Total/NA	Prep	7471B			270664	03/26/13 10:14	UU	TAL SAV
Total/NA	Analysis	7471B		1	271035	03/27/13 14:01	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	270239	03/21/13 17:40	FS	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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 4
TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY <input type="radio"/>

(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
				LLPAH	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
				PCRA 8 Metals		
				PRESERVATIVE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

COMPANY CONTRACTING THIS WORK (if applicable)

Page 20 of 26

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	INDICATE AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS					
								1	2	3	4	5	6	7	8	9	10		11	12			
3-19-13	1119	CV0581A-CS	C	X			X																
	1125	CV0581B-CS	C	X			X																
	1135	CV0581C- CS GS	G	X			X																
	1233	CV1318A-CS	C	X			X																
	1240	CV1318B-CS	C	X			X	X															
	1205	CV1319A-CS	C	X			X																
	1215	CV1319B-CS	C	X			X	X															
	1135	CV1360A-CS	C	X			X																
	1135	CV1360A-CSD	C	X			X																
	1145	CV1360B-CS	C	X			X																
	1155	CV1360C-CS	C	X			X																
	1220	CV1360D-CS	C	X			X																

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-20-13	TIME 1130	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

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE 03/21/13	TIME 0944	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 88529	LABORATORY REMARKS 3.8 ^c
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
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Website: www.testamericainc.com
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Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</i>	OF <i>4</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	PCPA & Metals	PRESERVATIVE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
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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							1	2	3	4	5	6	7	8	9	10		11
<i>3-19-13</i>	<i>1225</i>	<i>CV1360 E - CS</i>	<i>C</i>	<i>V</i>			<i>X</i>												
	<i>1250</i>	<i>CV1360 F - CS</i>	<i>C</i>	<i>V</i>			<i>X</i>	<i>X</i>											
	<i>1300</i>	<i>CV1360 G - CS</i>	<i>C</i>	<i>V</i>			<i>X</i>	<i>X</i>											
	<i>1315</i>	<i>CV1360 H - CS</i>	<i>C</i>	<i>X</i>															
	<i>1310</i>	<i>CV1360 I - CS</i>	<i>C</i>	<i>X</i>															
	<i>1330</i>	<i>CV1360 J - CS</i>	<i>C</i>	<i>X</i>															
	<i>1345</i>	<i>CV1360 K - CS</i>	<i>C</i>	<i>X</i>															
	<i>1348</i>	<i>CV1360 K - CSD</i>	<i>C</i>	<i>X</i>															
	<i>1350</i>	<i>CV1360 L - CS</i>	<i>C</i>	<i>X</i>															
	<i>1354</i>	<i>CV1360 M - CS</i>	<i>C</i>	<i>X</i>															
	<i>1400</i>	<i>CV1360 N - CS</i>	<i>C</i>	<i>X</i>															
	<i>1410</i>	<i>CV1360 O - CS</i>	<i>C</i>	<i>X</i>															

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-20-13</i>	TIME <i>1130</i>	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 <i>03/21/13</i>	TIME <i>0944</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680</i> <i>88527</i>	LABORATORY REMARKS <i>3.8°</i>
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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 <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i>	OF <i>4</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PPAH	PCEA & Metals	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
								NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS					
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12			
3-19-13	1420	CV1360 P-CS	C	X			X																
	1440	CV1360 Q-CS	C	X			X																
	1445	CV1360 R-CS	C	X			X																
	1453	CV1360 S-CS	C	X			X																
	1523	CV1360 T-CS	C	X			X																
	1705	CV1360 AB-GS	G	X			X																
	1429	CV1360 AC-GS	G	X			X																
	1448	CV1360 AD-GS	G	X			X																
	1455	CV1360 AE-GS	G	X			X																
3-20-13	1030	032013-RB-Bowls + Spoons	X	X			X	X															

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-20-13</i>	TIME <i>1130</i>	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 <i>03/21/13</i>	TIME <i>0944</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>682</i> <i>88527</i>	LABORATORY REMARKS <i>3.8°</i>
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4/3/2013



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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Alternate Laboratory Name/Location

Phone:
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THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>4</i>	OF <i>4</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY <input type="radio"/>	

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)	COMPONENT FAX	DATE DUE	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE
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COMPANY CONTRACTING THIS WORK (if applicable)	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
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SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS										REMARKS			
DATE	TIME							NUMBER OF CONTAINERS SUBMITTED													
<i>3-19-13</i>	<i>1240</i>	<i>CV1318B-CS-Sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>													
	<i>1215</i>	<i>CV1319 CV1319B-CS-Sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>													
	<i>1250</i>	<i>CV1360 F-CS-sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>													
	<i>1300</i>	<i>CV1360 G-CS-sieve</i>	<i>C</i>	<i>x</i>				<i>X</i>													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-20-13</i>	TIME <i>1130</i>	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 <i>03/21/13</i>	TIME <i>0944</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680</i> <i>88527</i>	LABORATORY REMARKS <i>3.8°C</i>
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Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

SDG Number: 68088527-2

Login Number: 88527

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have leg ble labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88527-3

SDG Number: 68088527-2

Login Number: 88527

List Number: 1

Creator: Edwards, Erricka

List Source: TestAmerica Tampa

List Creation: 03/22/13 10:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have leg ble labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

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

TestAmerica Job ID: 680-88527-3
 SDG: 68088527-2

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
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
USDA	Federal		P330-11-00177	04-20-14