

**Data Validation Checklist
Inorganic Analyses**

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA
 Method: SW-846 6010C and 7471B
 Matrix: Soil
 Reviewer: Karen Marie Trujillo, URS Group
 Concurrence¹: Nicole Lancaster / Martha Meyers-Lee, URS Group

Project No: 15268508.20000
 Job ID.: 680-89328-3
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date Collected: 04/11/2013
 Date: 05/06/2013
 Date: 05/08/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.			✓		
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.59 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.5 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 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 04113-RB-Bowls + Spoons (680-89275-1) was collected during the week of 4/08/13. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank, and all results were reported under Test America Job ID 680-89275-3.	
12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> ○ If blank result > RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and $\leq 10x$ blank result, as J+ positive results ○ If blank result \leq RL, <ul style="list-style-type: none"> • Flag sample results \leq 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 \leq RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?		✓			
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: <ul style="list-style-type: none"> • 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 ○ 7471A: <ul style="list-style-type: none"> • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run ○ 7196A: 	✓			<ul style="list-style-type: none"> • 6010C: 04/17/2013-04/18/2013 & 04/24/2013-04/25/2013, 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. • 7471B: 04/17/2013, instrument LEEMAN2. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> • ICAL: Blank and minimum of five standards • ICV initially, and CCV every 10th sample (15th per Method) and at the end of the analytical run 					
<p>17. Were these results within lab/project specifications?</p> <ul style="list-style-type: none"> ○ 6010C <ul style="list-style-type: none"> • 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 ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180% (>150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 7471A <ul style="list-style-type: none"> • 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 ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL 	✓			The mercury correlation coefficient for the ICAL of 04/12/2013 is 0.9999250 (page 506).	

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 ○ 7196A: <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%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 65-90%R, then J- flag positive results and UJ flag non-detects ▪ If 110-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results 					
<p>18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?</p>	✓				
<p>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:</p> <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 	✓				
<p>20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?</p>	✓				
<p>21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications?</p> <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 	✓				
<p>22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively</p>			✓	LCS only	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none"> 6010C: Prep Batch 273045: 680-89328-8 (HP0202C-CS-SP), MS/MSD 7471B: Prep Batch 273176: 680-89328-8 (HP0202C-CS-SP), MS/MSD 	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			6010C: 680-89328-8 (HP0202C-CS-SP)	
<p>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></p> <p>If not,</p> <ul style="list-style-type: none"> 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 7471B: <ul style="list-style-type: none"> If MS %R <30, then J- and R Flag positive and ND results, respectively 		✓		<p>HP0202C-CS-SP (680-89328-8):</p> <ul style="list-style-type: none"> Arsenic @ 35 and 144 %R (75-125). PDS recovery (108%) fell within control limits (75-125). J Flag sample result. Barium @ -536 and -740 %R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (90%) fell within control limits (75-125). Chromium @ 224 and 529 %R (75-125). PDS recovery (95%) fell within control limits (75-125). An evaluation of interference is not possible based on MS, MSD, and PDS results². Lead @ -315 and 1932 %R (75-125). PDS recovery (82%) fell within control limits (75-125). An evaluation of interference is not possible based on MS, MSD, and PDS results² Silver @ 19 and 24 %R (75-125). PDS recovery (91%) fell within control limits (75-125). UJ Flag non-detect result. 	J, UJ

² The native sample concentration is greater than 4x the MS/MSD spiking level. In addition, the chromium and lead native sample concentrations are greater than 4x the PDS spiking level.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> 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 					
<p>27. Were laboratory/project ($\leq 20\%$RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> If RPD >20%, J and UJ flag positive and non-detect results. 		✓		HP0202C-CS-SP (680-89328-8): <ul style="list-style-type: none"> Arsenic @ 24%RPD (≤ 20). J Flag sample result. Chromium @ 25%RPD (≤ 20). An evaluation of interference is not possible based on MS and MSD results². Lead @ 29%RPD (≤ 20). An evaluation of interference is not possible based on MS and MSD results. Silver @ 21%RPD (≤ 20). UJ Flag non-detect result. 	J, UJ
28. Was a serial dilution conducted for 6010C?	✓			6010C: 680-89328-8 (HP0202C-CS-SP)	
29. Is the serial dilution parent sample a project-specific sample?	✓			See above.	
<p>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></p> <ul style="list-style-type: none"> If %D >10, J and UJ flag positive and non-detect results, respectively. 		✓		HP0202C-CS-SP (680-89328-8): Lead @ 12 %D (≤ 10). J Flag	J
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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"> ○ 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: 680-89328-3
SDG: 68089328-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89328-8	HP0202C-CS-SP	Solid	04/11/13 11:16	04/13/13 09:27
680-89328-10	CV0224B-CS	Solid	04/11/13 13:33	04/13/13 09:27
680-89328-15	CV0993A-CS	Solid	04/11/13 09:30	04/13/13 09:27
680-89328-33	CV0993A-CS (sieve)	Solid	04/11/13 09:30	04/13/13 09:27
680-89328-34	HP0202C-CS-SP (sieve)	Solid	04/11/13 11:16	04/13/13 09:27
680-89328-35	CV0224B-CS (sieve)	Solid	04/11/13 13:33	04/13/13 09:27

ATTACHMENT B

CASE NARRATIVE

Case Narrative

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

TestAmerica Job ID: 680-89328-3
SDG: 68089328-3

Job ID: 680-89328-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89328-3

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

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

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

RECEIPT

The samples were received on 04/13/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 C.

METALS (ICP)

Samples HP0202C-CS-SP (680-89328-8), CV0224B-CS (680-89328-10), CV0993A-CS (680-89328-15), CV0993A-CS (sieve) (680-89328-33), HP0202C-CS-SP (sieve) (680-89328-34) and CV0224B-CS (sieve) (680-89328-35) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/15/2013 and analyzed on 04/18/2013 and 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample HP0202C-CS-SP (680-89328-8) in batch 680-274404. Also, Arsenic, Chromium, Lead and Silver exceeded the rpd limit.

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 analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples HP0202C-CS-SP (680-89328-8), CV0224B-CS (680-89328-10), CV0993A-CS (680-89328-15), CV0993A-CS (sieve) (680-89328-33), HP0202C-CS-SP (sieve) (680-89328-34) and CV0224B-CS (sieve) (680-89328-35) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/16/2013 and analyzed on 04/17/2013.

No difficulties were encountered during the mercury analyses.

All 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: 680-89328-3
 SDG: 68089328-3

Client Sample ID: HP0202C-CS-SP

Lab Sample ID: 680-89328-8

Date Collected: 04/11/13 11:16

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 80.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	45	J	2.4	0.72	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Barium	730		1.2	0.37	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Cadmium	4.9		0.61	0.12	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Chromium	99		1.2	0.61	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Lead	420	J	1.2	0.65	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Selenium	3.1	U	3.1	1.2	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Silver	1.2	J JJ	1.2	0.12	mg/Kg	☼	04/15/13 10:41	04/25/13 06:55	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	0.30		0.021	0.0087	mg/Kg	☼	04/16/13 09:45	04/17/13 14:59	1

Client Sample ID: CV0224B-CS

Lab Sample ID: 680-89328-10

Date Collected: 04/11/13 13:33

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	52		2.3	0.67	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Barium	330		1.1	0.34	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Cadmium	2.9		0.57	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Chromium	32		1.1	0.57	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Lead	340		1.1	0.60	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Selenium	1.5	J	2.8	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Silver	0.24	J	1.1	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.022	0.0089	mg/Kg	☼	04/16/13 09:45	04/17/13 15:07	1

Client Sample ID: CV0993A-CS

Lab Sample ID: 680-89328-15

Date Collected: 04/11/13 09:30

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	38		2.2	0.66	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Barium	300		1.1	0.34	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Cadmium	3.5		0.56	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Chromium	89		1.1	0.56	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Lead	270		1.1	0.59	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.021	0.0086	mg/Kg	☼	04/16/13 09:45	04/17/13 15:14	1

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 (OTTE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Client Sample ID: CV0993A-CS (sieve)

Lab Sample ID: 680-89328-33

Date Collected: 04/11/13 09:30

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		2.2	0.66	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Barium	330		1.1	0.34	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Cadmium	2.7		0.56	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Chromium	67		1.1	0.56	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Lead	320		1.1	0.59	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Silver	0.54	J	1.1	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	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		0.022	0.0090	mg/Kg	☼	04/16/13 09:45	04/17/13 15:16	1

Client Sample ID: HP0202C-CS-SP (sieve)

Lab Sample ID: 680-89328-34

Date Collected: 04/11/13 11:16

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 81.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.2	0.64	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Barium	540		1.1	0.32	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Cadmium	5.0		0.54	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Chromium	94		1.1	0.54	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Lead	450		1.1	0.57	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	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	0.30		0.023	0.0095	mg/Kg	☼	04/16/13 09:45	04/17/13 15:19	1

Client Sample ID: CV0224B-CS (sieve)

Lab Sample ID: 680-89328-35

Date Collected: 04/11/13 13:33

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 84.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	51		2.4	0.69	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Barium	290		1.2	0.35	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Cadmium	2.9		0.59	0.12	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Chromium	31		1.2	0.59	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Lead	390		1.2	0.62	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Silver	0.37	J	1.2	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.022	0.0092	mg/Kg	☼	04/16/13 09:45	04/17/13 15:21	1

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 (OTTE, October 2012)

ANALYTICAL REPORT

Job Number: 680-89328-3

SDG Number: 68089328-3

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
4/25/2013 5:51 PM

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

04/25/2013

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: 680-89328-3

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

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

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

RECEIPT

The samples were received on 04/13/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 C.

METALS (ICP)

Samples HP0202C-CS-SP (680-89328-8), CV0224B-CS (680-89328-10), CV0993A-CS (680-89328-15), CV0993A-CS (sieve) (680-89328-33), HP0202C-CS-SP (sieve) (680-89328-34) and CV0224B-CS (sieve) (680-89328-35) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/15/2013 and analyzed on 04/18/2013 and 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample HP0202C-CS-SP (680-89328-8) in batch 680-274404. Also, Arsenic, Chromium, Lead and Silver exceeded the rpd limit.

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 analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples HP0202C-CS-SP (680-89328-8), CV0224B-CS (680-89328-10), CV0993A-CS (680-89328-15), CV0993A-CS (sieve) (680-89328-33), HP0202C-CS-SP (sieve) (680-89328-34) and CV0224B-CS (sieve) (680-89328-35) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/16/2013 and analyzed on 04/17/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3
Sdg Number: 68089328-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89328-8	HP0202C-CS-SP	Solid	04/11/2013 1116	04/13/2013 0927
680-89328-8MS	HP0202C-CS-SP	Solid	04/11/2013 1116	04/13/2013 0927
680-89328-8MSD	HP0202C-CS-SP	Solid	04/11/2013 1116	04/13/2013 0927
680-89328-10	CV0224B-CS	Solid	04/11/2013 1333	04/13/2013 0927
680-89328-15	CV0993A-CS	Solid	04/11/2013 0930	04/13/2013 0927
680-89328-33	CV0993A-CS (sieve)	Solid	04/11/2013 0930	04/13/2013 0927
680-89328-34	HP0202C-CS-SP (sieve)	Solid	04/11/2013 1116	04/13/2013 0927
680-89328-35	CV0224B-CS (sieve)	Solid	04/11/2013 1333	04/13/2013 0927

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3

Sdg Number: 68089328-3

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

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3

Sdg Number: 68089328-3

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

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3

Sdg Number: 68089328-3

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

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3

Sdg Number: 68089328-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 680-273045					
LCS 680-273045/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-273045/1-A	Method Blank	T	Solid	3050B	
680-89328-8	HP0202C-CS-SP	T	Solid	3050B	
680-89328-8MS	Matrix Spike	T	Solid	3050B	
680-89328-8MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-89328-10	CV0224B-CS	T	Solid	3050B	
680-89328-15	CV0993A-CS	T	Solid	3050B	
680-89328-33	CV0993A-CS (sieve)	T	Solid	3050B	
680-89328-34	HP0202C-CS-SP (sieve)	T	Solid	3050B	
680-89328-35	CV0224B-CS (sieve)	T	Solid	3050B	
Prep Batch: 680-273176					
LCS 680-273176/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-273176/1-A	Method Blank	T	Solid	7471B	
680-89328-8	HP0202C-CS-SP	T	Solid	7471B	
680-89328-8MS	Matrix Spike	T	Solid	7471B	
680-89328-8MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-89328-10	CV0224B-CS	T	Solid	7471B	
680-89328-15	CV0993A-CS	T	Solid	7471B	
680-89328-33	CV0993A-CS (sieve)	T	Solid	7471B	
680-89328-34	HP0202C-CS-SP (sieve)	T	Solid	7471B	
680-89328-35	CV0224B-CS (sieve)	T	Solid	7471B	
Analysis Batch:680-273523					
LCS 680-273176/2-A	Lab Control Sample	T	Solid	7471B	680-273176
MB 680-273176/1-A	Method Blank	T	Solid	7471B	680-273176
680-89328-8	HP0202C-CS-SP	T	Solid	7471B	680-273176
680-89328-8MS	Matrix Spike	T	Solid	7471B	680-273176
680-89328-8MSD	Matrix Spike Duplicate	T	Solid	7471B	680-273176
680-89328-10	CV0224B-CS	T	Solid	7471B	680-273176
680-89328-15	CV0993A-CS	T	Solid	7471B	680-273176
680-89328-33	CV0993A-CS (sieve)	T	Solid	7471B	680-273176
680-89328-34	HP0202C-CS-SP (sieve)	T	Solid	7471B	680-273176
680-89328-35	CV0224B-CS (sieve)	T	Solid	7471B	680-273176

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3

Sdg Number: 68089328-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-273539					
LCS 680-273045/3-A	Lab Control Sample	T	Solid	6010C	680-273045
MB 680-273045/1-A	Method Blank	T	Solid	6010C	680-273045
680-89328-8	HP0202C-CS-SP	T	Solid	6010C	680-273045
680-89328-8MS	Matrix Spike	T	Solid	6010C	680-273045
680-89328-8MSD	Matrix Spike Duplicate	T	Solid	6010C	680-273045
680-89328-10	CV0224B-CS	T	Solid	6010C	680-273045
680-89328-15	CV0993A-CS	T	Solid	6010C	680-273045
680-89328-33	CV0993A-CS (sieve)	T	Solid	6010C	680-273045
680-89328-34	HP0202C-CS-SP (sieve)	T	Solid	6010C	680-273045
680-89328-35	CV0224B-CS (sieve)	T	Solid	6010C	680-273045
Analysis Batch:680-274404					
680-89328-8	HP0202C-CS-SP	T	Solid	6010C	680-273045
680-89328-8MS	Matrix Spike	T	Solid	6010C	680-273045
680-89328-8MSD	Matrix Spike Duplicate	T	Solid	6010C	680-273045

Report Basis

T = Total

General Chemistry

Analysis Batch:660-136561					
680-89328-8	HP0202C-CS-SP	T	Solid	Moisture	
680-89328-8MS	Matrix Spike	T	Solid	Moisture	
680-89328-8MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89328-10	CV0224B-CS	T	Solid	Moisture	
680-89328-15	CV0993A-CS	T	Solid	Moisture	
Analysis Batch:680-273198					
680-89328-33	CV0993A-CS (sieve)	T	Solid	Moisture	
680-89328-34	HP0202C-CS-SP (sieve)	T	Solid	Moisture	
680-89328-35	CV0224B-CS (sieve)	T	Solid	Moisture	

Report Basis

T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89328-3
SDG No.: 68089328-3
Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>HP0202C-CS-SP</u>	<u>680-89328-8</u>
<u>CV0224B-CS</u>	<u>680-89328-10</u>
<u>CV0993A-CS</u>	<u>680-89328-15</u>
<u>CV0993A-CS (sieve)</u>	<u>680-89328-33</u>
<u>HP0202C-CS-SP (sieve)</u>	<u>680-89328-34</u>
<u>CV0224B-CS (sieve)</u>	<u>680-89328-35</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0202C-CS-SP Lab Sample ID: 680-89328-8
 Lab Name: TestAmerica Savannah Job No.: 680-89328-3
 SDG ID.: 68089328-3
 Matrix: Solid Date Sampled: 04/11/2013 11:16
 Reporting Basis: DRY Date Received: 04/13/2013 09:27
 % Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	45	2.4	0.72	mg/Kg			1	6010C
7440-39-3	Barium	730	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	4.9	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	99	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	420	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	3.1	3.1	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.30	0.021	0.0087	mg/Kg			1	7471B

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: CV0224B-CS Lab Sample ID: 680-89328-10
 Lab Name: TestAmerica Savannah Job No.: 680-89328-3
 SDG ID.: 68089328-3
 Matrix: Solid Date Sampled: 04/11/2013 13:33
 Reporting Basis: DRY Date Received: 04/13/2013 09:27
 % Solids: 85.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	52	2.3	0.67	mg/Kg			1	6010C
7440-39-3	Barium	330	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	2.9	0.57	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	32	1.1	0.57	mg/Kg			1	6010C
7439-92-1	Lead	340	1.1	0.60	mg/Kg			1	6010C
7782-49-2	Selenium	1.5	2.8	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	0.24	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.18	0.022	0.0089	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0993A-CS

Lab Sample ID: 680-89328-15

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG ID.: 68089328-3

Matrix: Solid

Date Sampled: 04/11/2013 09:30

Reporting Basis: DRY

Date Received: 04/13/2013 09:27

% Solids: 85.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	38	2.2	0.66	mg/Kg			1	6010C
7440-39-3	Barium	300	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	3.5	0.56	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	89	1.1	0.56	mg/Kg			1	6010C
7439-92-1	Lead	270	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	2.8	2.8	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.18	0.021	0.0086	mg/Kg			1	7471B

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: CV0993A-CS (sieve)

Lab Sample ID: 680-89328-33

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG ID.: 68089328-3

Matrix: Solid

Date Sampled: 04/11/2013 09:30

Reporting Basis: DRY

Date Received: 04/13/2013 09:27

% Solids: 85.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	30	2.2	0.66	mg/Kg			1	6010C
7440-39-3	Barium	330	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	2.7	0.56	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	67	1.1	0.56	mg/Kg			1	6010C
7439-92-1	Lead	320	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	2.8	2.8	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	0.54	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.19	0.022	0.0090	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0202C-CS-SP (sieve)

Lab Sample ID: 680-89328-34

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG ID.: 68089328-3

Matrix: Solid

Date Sampled: 04/11/2013 11:16

Reporting Basis: DRY

Date Received: 04/13/2013 09:27

% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	2.2	0.64	mg/Kg			1	6010C
7440-39-3	Barium	540	1.1	0.32	mg/Kg			1	6010C
7440-43-9	Cadmium	5.0	0.54	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	94	1.1	0.54	mg/Kg			1	6010C
7439-92-1	Lead	450	1.1	0.57	mg/Kg			1	6010C
7782-49-2	Selenium	2.7	2.7	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	1.1	1.1	0.10	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.30	0.023	0.0095	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0224B-CS (sieve)

Lab Sample ID: 680-89328-35

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG ID.: 68089328-3

Matrix: Solid

Date Sampled: 04/11/2013 13:33

Reporting Basis: DRY

Date Received: 04/13/2013 09:27

% Solids: 84.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	51	2.4	0.69	mg/Kg			1	6010C
7440-39-3	Barium	290	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	2.9	0.59	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	31	1.2	0.59	mg/Kg			1	6010C
7439-92-1	Lead	390	1.2	0.62	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.37	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.25	0.022	0.0092	mg/Kg			1	7471B

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-273539/4 04/17/2013 11:51				CCV 680-273539/180 04/18/2013 04:17				CCV 680-273539/192 04/18/2013 05:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	976		1000	98	494		500	99	494		500	99
Barium	1030		1000	103	5060		5000	101	5040		5000	101
Cadmium	1030		1000	103	524		500	105	525		500	105
Chromium	1010		1000	101	5200		5000	104	5210		5000	104
Lead	991		1000	99	508		500	102	508		500	102
Selenium	972		1000	97	5110		5000	102	5130		5000	103
Silver	966		1000	97	495		500	99	492		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.: 680-89328-3

SDG No.: 68089328-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	CCV 680-273539/204 04/18/2013 06:32				CCV 680-273539/216 04/18/2013 07:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	504		500	101	520		500	104				
Barium	4980		5000	100	5050		5000	101				
Cadmium	529		500	106	546		500	109				
Chromium	5190		5000	104	5360		5000	107				
Lead	510		500	102	519		500	104				
Selenium	5220		5000	104	5440		5000	109				
Silver	494		500	99	508		500	102				

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.: 680-89328-3

SDG No.: 68089328-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-274404/5 04/24/2013 18:19				CCV 680-274404/133 04/25/2013 06:16				CCV 680-274404/145 04/25/2013 07:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Silver	978		1000	98	511		500	102	514		500	103
<i>Arsenic</i>	973		1000	97	523		500	105	514		500	103
<i>Barium</i>	1030		1000	103	5220		5000	104	5280		5000	106
<i>Cadmium</i>	1040		1000	104	541		500	108	548		500	110
<i>Chromium</i>	1020		1000	102	5330		5000	107	5410		5000	108
<i>Lead</i>	1000		1000	100	514		500	103	520		500	104
<i>Selenium</i>	969		1000	97	5280		5000	106	5350		5000	107

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.: 680-89328-3

SDG No.: 68089328-3

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-273176/39-A 04/17/2013 14:03				CCV 680-273176/36-A 04/17/2013 14:10				CCV 680-273176/36-A 04/17/2013 14:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.99		3.00	100	2.45		2.50	98	2.59		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.: 680-89328-3

SDG No.: 68089328-3

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-273176/36-A 04/17/2013 15:09				CCV 680-273176/36-A 04/17/2013 15:39							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.48		2.50	99	2.46		2.50	98				

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.: 680-89328-3
 SDG No.: 68089328-3
 Method: 6010C Instrument ID: ICPE
 Lab Sample ID: CRI 680-273539/6 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	22.3		112	50-150
Barium	10.0	8.88	J	89	50-150
Cadmium	5.00	5.20		104	50-150
Chromium	10.0	9.95	J	99	50-150
Lead	10.0	11.7		117	50-150
Selenium	20.0	18.9	J	95	50-150
Silver	10.0	9.46	J	95	50-150

Lab Sample ID: CRI 680-274404/7 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	24.7		123	50-150
Barium	10.0	10.6		106	50-150
Cadmium	5.00	5.62		112	50-150
Chromium	10.0	11.7		117	50-150
Lead	10.0	8.78	J	88	50-150
Selenium	20.0	20.9	J	104	50-150
Silver	10.0	10.9		109	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.: 680-89328-3
 SDG No.: 68089328-3
 Method: 7471B Instrument ID: LEEMAN2
 Lab Sample ID: CRA 680-273176/41-A Concentration Units: ug/L
 CRQL Check Standard Source: Hg_Int_Cal_00091

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.205		103	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.: 680-89328-3

SDG No.: 68089328-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-273539/5 04/17/2013 11:57		CCB 680-273539/181 04/18/2013 04:23		CCB 680-273539/193 04/18/2013 05:30		CCB 680-273539/205 04/18/2013 06:38	
		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.: 680-89328-3

SDG No.: 68089328-3

Concentration Units: ug/L

Analyte	RL	CCB 680-273539/217 04/18/2013 07:46		Found	C	Found	C	Found	C
		Found	C						
Arsenic	20	20	U						
Barium	10	3.30	J						
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.: 680-89328-3

SDG No.: 68089328-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-274404/6 04/24/2013 18:25		CCB 680-274404/134 04/25/2013 06:22		CCB 680-274404/146 04/25/2013 07:29		Found	C
		Found	C	Found	C	Found	C		
Silver	10	10	U	10	U	10	U		
<i>Arsenic</i>	20	8.99	J	6.66	J	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>Lead</i>	10	10	U	10	U	10	U		
<i>Selenium</i>	25	25	U	25	U	25	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Concentration Units: ug/L

Analyte	RL	ICB 680-273176/40-A 04/17/2013 14:06		CCB 680-273176/37-A 04/17/2013 14:13		CCB 680-273176/37-A 04/17/2013 14:42		CCB 680-273176/37-A 04/17/2013 15:12	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Concentration Units: ug/L

Analyte	RL	CCB 680-273176/37-A 04/17/2013 15:41		Found	C	Found	C	Found	C
		Found	C						
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3
SDG No.: 68089328-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-273045/1-A
Instrument Code: ICPE Batch No.: 273539

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6010C
7440-39-3	Barium	0.98	U		6010C
7440-43-9	Cadmium	0.49	U		6010C
7440-47-3	Chromium	0.98	U		6010C
7439-92-1	Lead	0.98	U		6010C
7782-49-2	Selenium	2.5	U		6010C
7440-22-4	Silver	0.98	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3
SDG No.: 68089328-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-273176/1-A
Instrument Code: LEEMAN2 Batch No.: 273523

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.: 680-89328-3

SDG No.: 68089328-3

Lab Sample ID: ICSA 680-273539/7

Instrument ID: ICPE

Lab File ID: E04172013.csv

ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		0.654	
Barium		-4.13	
Cadmium		6.00	
Chromium		-0.352	
Lead		7.45	
Selenium		-9.41	
Silver		-1.32	
<i>Aluminum</i>	<i>500000</i>	<i>586348</i>	<i>117</i>
<i>Antimony</i>		<i>4.51</i>	
<i>Beryllium</i>		<i>-0.691</i>	
<i>Boron</i>		<i>-11.5</i>	
<i>Calcium</i>	<i>500000</i>	<i>511661</i>	<i>102</i>
<i>Cobalt</i>		<i>0.559</i>	
<i>Copper</i>		<i>-0.600</i>	
<i>Iron</i>	<i>200000</i>	<i>196943</i>	<i>98</i>
<i>Magnesium</i>	<i>500000</i>	<i>551171</i>	<i>110</i>
<i>Manganese</i>		<i>-1.13</i>	
<i>Molybdenum</i>		<i>1.32</i>	
<i>Nickel</i>		<i>2.09</i>	
<i>Potassium</i>		<i>-8.48</i>	
<i>Sodium</i>		<i>-72.9</i>	
<i>Strontium</i>		<i>4.73</i>	
<i>Thallium</i>		<i>-10.8</i>	
<i>Tin</i>		<i>-8.23</i>	
<i>Titanium</i>		<i>-0.827</i>	
<i>Vanadium</i>		<i>-0.299</i>	
<i>Zinc</i>		<i>18.9</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.: 680-89328-3
 SDG No.: 68089328-3
 Lab Sample ID: ICSAB 680-273539/8 Instrument ID: ICPE
 Lab File ID: E04172013.csv ICS Source: P_ICSAB_wk_00043
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	112	112
Barium	500	534	107
Cadmium	1000	1039	104
Chromium	500	524	105
Lead	50.0	58.0	116
Selenium	50.0	44.1	88
Silver	200	222	111
<i>Aluminum</i>	<i>500000</i>	<i>588059</i>	<i>118</i>
<i>Antimony</i>	<i>600</i>	<i>641</i>	<i>107</i>
<i>Beryllium</i>	<i>500</i>	<i>520</i>	<i>104</i>
<i>Boron</i>		<i>-16.7</i>	
<i>Calcium</i>	<i>500000</i>	<i>515239</i>	<i>103</i>
<i>Cobalt</i>	<i>500</i>	<i>516</i>	<i>103</i>
<i>Copper</i>	<i>500</i>	<i>592</i>	<i>118</i>
<i>Iron</i>	<i>200000</i>	<i>197825</i>	<i>99</i>
<i>Magnesium</i>	<i>500000</i>	<i>556526</i>	<i>111</i>
<i>Manganese</i>	<i>500</i>	<i>527</i>	<i>105</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1096</i>	<i>110</i>
<i>Nickel</i>	<i>1000</i>	<i>1014</i>	<i>101</i>
<i>Potassium</i>		<i>-9.69</i>	
<i>Sodium</i>		<i>-561</i>	
<i>Strontium</i>		<i>5.61</i>	
<i>Thallium</i>	<i>100</i>	<i>94.6</i>	<i>95</i>
<i>Tin</i>	<i>1000</i>	<i>1066</i>	<i>107</i>
<i>Titanium</i>		<i>-7.22</i>	
<i>Vanadium</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Zinc</i>	<i>1000</i>	<i>1014</i>	<i>101</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.: 680-89328-3

SDG No.: 68089328-3

Lab Sample ID: ICSA 680-274404/8

Instrument ID: ICPE

Lab File ID: E04242013.csv

ICS Source: P_ICSA_wk_00031

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Silver		0.215	
Aluminum	500000	585798	117
Antimony		6.54	
Arsenic		6.55	
Barium		-3.16	
Beryllium		-0.162	
Boron		-37.4	
Cadmium		0.917	
Calcium	500000	503109	101
Chromium		0.739	
Cobalt		0.675	
Copper		-0.637	
Iron	200000	194000	97
Lead		-3.09	
Magnesium	500000	545017	109
Manganese		0.293	
Molybdenum		0.843	
Nickel		4.45	
Potassium		0.657	
Selenium		0.0880	
Sodium		-238	
Strontium		7.85	
Thallium		-7.98	
Tin		-5.73	
Titanium		-0.394	
Vanadium		0.941	
Zinc		7.25	

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.: 680-89328-3

SDG No.: 68089328-3

Lab Sample ID: ICSAB 680-274404/9

Instrument ID: ICPE

Lab File ID: E04242013.csv

ICS Source: P_ICSAB_wk_00044

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Silver	200	227	114
Aluminum	500000	603856	121
Antimony	600	633	105
Arsenic	100	114	114
Barium	500	539	108
Beryllium	500	528	106
Boron		-43.6	
Cadmium	1000	1047	105
Calcium	500000	519293	104
Chromium	500	538	108
Cobalt	500	523	105
Copper	500	589	118
Iron	200000	199644	100
Lead	50.0	50.3	101
Magnesium	500000	561941	112
Manganese	500	533	107
Molybdenum	1000	1120	112
Nickel	1000	1022	102
Potassium		-0.614	
Selenium	50.0	43.6	87
Sodium		-494	
Strontium		9.46	
Thallium	100	91.3	91
Tin	1000	1080	108
Titanium		-6.80	
Vanadium	500	516	103
Zinc	1000	1001	100

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

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: HP0202C-CS-SP MS

Lab ID: 680-89328-8 MS

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG No.: 68089328-3

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 80.9

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	48.8	45	12.2	35	75-125	F	6010C
Barium	665	730	12.2	-536	75-125	4	6010C
Cadmium	11.2	4.9	6.12	102	75-125		6010C
Chromium	126	99	12.2	224	75-125	4	6010C
Lead	401	420	6.12	-315	75-125	4	6010C
Selenium	11.4	3.1 U	12.2	93	75-125		6010C
Silver	1.18 J	1.2 U	6.12	19	75-125	F	6010C
Mercury	0.403	0.30	0.114	89	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 DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: HP0202C-CS-SP MSD Lab ID: 680-89328-8 MSD
 Lab Name: TestAmerica Savannah Job No.: 680-89328-3
 SDG No.: 68089328-3
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 80.9

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	61.9	12.0	144	75-125	24	20	F	6010C
Barium	642	12.0	-740	75-125	4	20	4	6010C
Cadmium	11.5	6.00	109	75-125	3	20		6010C
Chromium	162	12.0	529	75-125	25	20	4 F	6010C
Lead	536	6.00	1932	75-125	29	20	4 F	6010C
Selenium	11.7	12.0	98	75-125	3	20		6010C
Silver	1.47	6.00	24	75-125	21	20	F	6010C
Mercury	0.407	0.112	93	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.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: HP0202C-CS-SP PDS

Lab ID: 680-89328-8 PDS

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG No.: 68089328-3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	309	45	245	108	75-125		6010C
Barium	951	730	245	90	75-125		6010C
Cadmium	10.8	4.9	6.12	96	75-125		6010C
Chromium	122	99	24.5	95	75-125		6010C
Lead	471	420	61.2	82	75-125		6010C
Selenium	246	3.1	245	101	75-125		6010C
Silver	5.54	1.2	6.12	91	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.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-273045/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.6	21.6		110	75	125		6010C
Barium	19.6	19.6		100	75	125		6010C
Cadmium	19.6	20.6		105	75	125		6010C
Chromium	19.6	20.9		106	75	125		6010C
Lead	19.6	19.9		101	75	125		6010C
Selenium	19.6	19.3		98	75	125		6010C
Silver	19.6	20.0		102	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 680-273176/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00091

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.231	0.228		99	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: 680-89328-8

SDG No: 68089328-3

Lab Name: TestAmerica Savannah

Job No: 680-89328-3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	45		45.9		3.1		6010C
Barium	730		802		9.8		6010C
Cadmium	4.9		4.74		NC		6010C
Chromium	99		109		10		6010C
Lead	420		470		12	V	6010C
Selenium	3.1	U	15	U	NC		6010C
Silver	1.2	U	6.1	U	NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89328-3

SDG Number: 68089328-3

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: 680-89328-3

SDG Number: 68089328-3

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: 680-89328-3

SDG Number: 68089328-3

Matrix: Solid

Instrument ID: LEEMAN2

Method: 7471B

MDL Date: 06/02/2009 00:00

Prep Method: 7471B

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89328-3
SDG Number: 68089328-3
Matrix: Solid Instrument ID: LEEMAN2
Method: 7471B XMDL Date: 06/01/2008 15:53

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89328-3

SDG No.: 68089328-3

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

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89328-3

SDG No.: 68089328-3

ICP-AES Instrument ID: ICPE

Date: 03/05/2013

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

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89328-3

SDG No.: 68089328-3

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-273045/1-A	04/15/2013 10:41	273045	1.02		100
LCS 680-273045/3-A	04/15/2013 10:41	273045	1.02		100
680-89328-8	04/15/2013 10:41	273045	1.01		100
680-89328-8 MS	04/15/2013 10:41	273045	1.01		100
680-89328-8 MSD	04/15/2013 10:41	273045	1.03		100
680-89328-10	04/15/2013 10:41	273045	1.03		100
680-89328-15	04/15/2013 10:41	273045	1.05		100
680-89328-33	04/15/2013 10:41	273045	1.04		100
680-89328-34	04/15/2013 10:41	273045	1.13		100
680-89328-35	04/15/2013 10:41	273045	1.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-273176/1-A	04/16/2013 09:45	273176	0.52		50
LCS 680-273176/2-A	04/16/2013 09:45	273176	0.54		50
680-89328-8	04/16/2013 09:45	273176	0.58		50
680-89328-8 MS	04/16/2013 09:45	273176	0.54		50
680-89328-8 MSD	04/16/2013 09:45	273176	0.55		50
680-89328-10	04/16/2013 09:45	273176	0.54		50
680-89328-15	04/16/2013 09:45	273176	0.56		50
680-89328-33	04/16/2013 09:45	273176	0.53		50
680-89328-34	04/16/2013 09:45	273176	0.53		50
680-89328-35	04/16/2013 09:45	273176	0.53		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/17/2013 11:40 End Date: 04/18/2013 10:02

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			11:40																
ZZZZZZ			11:44																
ZZZZZZ			11:47																
ICV 680-273539/4	1		11:51	X	X	X	X	X	X	X									
ICBIS 680-273539/5	1		11:57	X	X	X	X	X	X	X									
CRI 680-273539/6	1		12:02	X	X	X	X	X	X	X									
ICSA 680-273539/7	1		12:08	X	X	X	X	X	X	X									
ICSAB 680-273539/8	1		12:13	X	X	X	X	X	X	X									
ZZZZZZ			12:19																
ZZZZZZ			12:25																
ZZZZZZ			12:30																
CCV 680-273539/12			12:36																
CCB 680-273539/13			12:41																
ZZZZZZ			12:47																
ZZZZZZ			12:53																
ZZZZZZ			12:58																
ZZZZZZ			13:04																
ZZZZZZ			13:09																
ZZZZZZ			13:15																
ZZZZZZ			13:21																
ZZZZZZ			13:26																
ZZZZZZ			13:32																
ZZZZZZ			13:38																
CCV 680-273539/24			13:43																
CCB 680-273539/25			13:49																
ZZZZZZ			13:54																
ZZZZZZ			14:00																
ZZZZZZ			14:05																
ZZZZZZ			14:11																
ZZZZZZ			14:17																
ZZZZZZ			14:22																
ZZZZZZ			14:28																
ZZZZZZ			14:33																
ZZZZZZ			14:39																
ZZZZZZ			14:45																
CCV 680-273539/36			14:50																
CCB 680-273539/37			14:56																
ZZZZZZ			15:01																
ZZZZZZ			15:07																
ZZZZZZ			15:12																
ZZZZZZ			15:18																
ZZZZZZ			15:24																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/17/2013 11:40 End Date: 04/18/2013 10:02

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			15:29																
ZZZZZZ			15:35																
ZZZZZZ			15:40																
ZZZZZZ			15:46																
ZZZZZZ			15:52																
CCV 680-273539/48			15:57																
CCB 680-273539/49			16:03																
ZZZZZZ			16:08																
ZZZZZZ			16:14																
ZZZZZZ			16:19																
ZZZZZZ			16:25																
ZZZZZZ			16:31																
ZZZZZZ			16:36																
ZZZZZZ			16:42																
ZZZZZZ			16:47																
ZZZZZZ			16:53																
ZZZZZZ			16:58																
CCV 680-273539/60			17:04																
CCB 680-273539/61			17:10																
ZZZZZZ			17:15																
ZZZZZZ			17:21																
ZZZZZZ			17:26																
ZZZZZZ			17:32																
ZZZZZZ			17:38																
ZZZZZZ			17:43																
ZZZZZZ			17:49																
ZZZZZZ			17:54																
ZZZZZZ			18:00																
ZZZZZZ			18:05																
CCV 680-273539/72			18:11																
CCB 680-273539/73			18:17																
ZZZZZZ			18:22																
ZZZZZZ			18:28																
ZZZZZZ			18:33																
ZZZZZZ			18:39																
ZZZZZZ			18:45																
ZZZZZZ			18:50																
ZZZZZZ			18:56																
ZZZZZZ			19:02																
ZZZZZZ			19:07																
ZZZZZZ			19:13																
CCV 680-273539/84			19:18																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/17/2013 11:40 End Date: 04/18/2013 10:02

Lab Sample ID	D / F	Type	Time	Analytes																	
				A g	A s	B a	C d	C r	P b	S e											
CCB 680-273539/85			19:24																		
ZZZZZZ			19:29																		
ZZZZZZ			19:35																		
ZZZZZZ			19:41																		
ZZZZZZ			19:46																		
ZZZZZZ			19:52																		
ZZZZZZ			19:57																		
ZZZZZZ			20:03																		
ZZZZZZ			20:09																		
ZZZZZZ			20:15																		
ZZZZZZ			20:20																		
CCV 680-273539/96			20:26																		
CCB 680-273539/97			20:31																		
ZZZZZZ			20:37																		
ZZZZZZ			20:42																		
ZZZZZZ			20:48																		
ZZZZZZ			20:54																		
ZZZZZZ			20:59																		
ZZZZZZ			21:05																		
ZZZZZZ			21:10																		
ZZZZZZ			21:16																		
ZZZZZZ			21:22																		
ZZZZZZ			21:27																		
CCV 680-273539/108			21:33																		
CCB 680-273539/109			21:38																		
ZZZZZZ			21:44																		
ZZZZZZ			21:50																		
ZZZZZZ			21:55																		
ZZZZZZ			22:01																		
ZZZZZZ			22:07																		
ZZZZZZ			22:12																		
ZZZZZZ			22:18																		
ZZZZZZ			22:23																		
ZZZZZZ			22:29																		
ZZZZZZ			22:35																		
CCV 680-273539/120			22:40																		
CCB 680-273539/121			22:46																		
ZZZZZZ			22:51																		
ZZZZZZ			22:57																		
ZZZZZZ			23:03																		
ZZZZZZ			23:08																		
ZZZZZZ			23:14																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/17/2013 11:40 End Date: 04/18/2013 10:02

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			23:19																
ZZZZZZ			23:25																
ZZZZZZ			23:30																
ZZZZZZ			23:36																
ZZZZZZ			23:42																
CCV 680-273539/132			23:47																
CCB 680-273539/133			23:53																
ZZZZZZ			23:59																
ZZZZZZ			00:04																
ZZZZZZ			00:10																
ZZZZZZ			00:15																
ZZZZZZ			00:21																
ZZZZZZ			00:27																
ZZZZZZ			00:32																
ZZZZZZ			00:38																
ZZZZZZ			00:44																
ZZZZZZ			00:49																
CCV 680-273539/144			00:55																
CCB 680-273539/145			01:00																
ZZZZZZ			01:06																
ZZZZZZ			01:12																
ZZZZZZ			01:17																
ZZZZZZ			01:23																
ZZZZZZ			01:29																
ZZZZZZ			01:34																
ZZZZZZ			01:40																
ZZZZZZ			01:45																
ZZZZZZ			01:51																
ZZZZZZ			01:57																
CCV 680-273539/156			02:02																
CCB 680-273539/157			02:08																
ZZZZZZ			02:13																
ZZZZZZ			02:19																
ZZZZZZ			02:25																
ZZZZZZ			02:30																
ZZZZZZ			02:36																
ZZZZZZ			02:42																
ZZZZZZ			02:47																
ZZZZZZ			02:53																
ZZZZZZ			02:58																
ZZZZZZ			03:04																
CCV 680-273539/168			03:10																

13-IN
 ANALYSIS RUN LOG
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/17/2013 11:40 End Date: 04/18/2013 10:02

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 680-273539/169			03:15																
ZZZZZZ			03:21																
ZZZZZZ			03:26																
ZZZZZZ			03:32																
ZZZZZZ			03:38																
ZZZZZZ			03:43																
ZZZZZZ			03:49																
ZZZZZZ			03:55																
ZZZZZZ			04:00																
ZZZZZZ			04:06																
ZZZZZZ			04:12																
CCV 680-273539/180	1		04:17	X	X	X	X	X	X	X									
CCB 680-273539/181	1		04:23	X	X	X	X	X	X	X									
MB 680-273045/1-A	1	T	04:29	X	X	X	X	X	X	X									
ZZZZZZ			04:34																
LCS 680-273045/3-A	1	T	04:40	X	X	X	X	X	X	X									
ZZZZZZ			04:45																
ZZZZZZ			04:51																
ZZZZZZ			04:57																
ZZZZZZ			05:02																
ZZZZZZ			05:08																
ZZZZZZ			05:14																
ZZZZZZ			05:19																
CCV 680-273539/192	1		05:25	X	X	X	X	X	X	X									
CCB 680-273539/193	1		05:30	X	X	X	X	X	X	X									
ZZZZZZ			05:36																
ZZZZZZ			05:42																
ZZZZZZ			05:47																
680-89328-8	1	T	05:53		X	X	X	X	X	X									
680-89328-8 SD	5	T	05:59		X	X	X	X	X	X									
680-89328-8 PDS	1	T	06:04		X	X	X	X	X	X									
680-89328-8 MS	1	T	06:10		X	X	X	X	X	X									
680-89328-8 MSD	1	T	06:15		X	X	X	X	X	X									
680-89328-10	1	T	06:21	X	X	X	X	X	X	X									
680-89328-15	1	T	06:27	X	X	X	X	X	X	X									
CCV 680-273539/204	1		06:32	X	X	X	X	X	X	X									
CCB 680-273539/205	1		06:38	X	X	X	X	X	X	X									
680-89328-33	1	T	06:44	X	X	X	X	X	X	X									
680-89328-34	1	T	06:49	X	X	X	X	X	X	X									
680-89328-35	1	T	06:55	X	X	X	X	X	X	X									
ZZZZZZ			07:01																
ZZZZZZ			07:06																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/17/2013 11:40 End Date: 04/18/2013 10:02

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			07:12																
ZZZZZZ			07:17																
ZZZZZZ			07:23																
ZZZZZZ			07:29																
ZZZZZZ			07:34																
CCV 680-273539/216	1		07:40	X	X	X	X	X	X	X									
CCB 680-273539/217	1		07:46	X	X	X	X	X	X	X									
ZZZZZZ			07:51																
ZZZZZZ			07:57																
ZZZZZZ			08:03																
ZZZZZZ			08:08																
ZZZZZZ			08:14																
ZZZZZZ			08:20																
ZZZZZZ			08:25																
ZZZZZZ			08:31																
ZZZZZZ			08:37																
ZZZZZZ			08:42																
CCV 680-273539/228			08:48																
CCB 680-273539/229			08:54																
ZZZZZZ			08:59																
ZZZZZZ			09:05																
ZZZZZZ			09:11																
ZZZZZZ			09:16																
ZZZZZZ			09:22																
ZZZZZZ			09:28																
ZZZZZZ			09:33																
ZZZZZZ			09:39																
ZZZZZZ			09:45																
ZZZZZZ			09:50																
CCV 680-273539/240			09:56																
CCB 680-273539/241			10:02																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/24/2013 17:56 End Date: 04/25/2013 11:57

Lab Sample ID	D / F	Type	Time	Analytes															
				A	g														
ZZZZZZ			17:56																
ZZZZZZ			18:00																
ZZZZZZ			18:04																
ZZZZZZ			18:11																
ICV 680-274404/5	1		18:19	X															
ICBIS 680-274404/6	1		18:25	X															
CRI 680-274404/7	1		18:30	X															
ICSA 680-274404/8	1		18:36	X															
ICSAB 680-274404/9	1		18:42	X															
ZZZZZZ			18:47																
ZZZZZZ			18:53																
ZZZZZZ			18:58																
CCV 680-274404/13			19:04																
CCB 680-274404/14			19:10																
ZZZZZZ			19:15																
ZZZZZZ			19:21																
ZZZZZZ			19:26																
ZZZZZZ			19:32																
ZZZZZZ			19:37																
ZZZZZZ			19:43																
ZZZZZZ			19:49																
ZZZZZZ			19:54																
ZZZZZZ			20:00																
ZZZZZZ			20:05																
CCV 680-274404/25			20:11																
CCB 680-274404/26			20:17																
ZZZZZZ			20:22																
ZZZZZZ			20:28																
ZZZZZZ			20:33																
ZZZZZZ			20:39																
ZZZZZZ			20:45																
ZZZZZZ			20:50																
ZZZZZZ			20:56																
ZZZZZZ			21:01																
ZZZZZZ			21:07																
ZZZZZZ			21:13																
CCV 680-274404/37			21:18																
CCB 680-274404/38			21:24																
ZZZZZZ			21:29																
ZZZZZZ			21:35																
ZZZZZZ			21:41																
ZZZZZZ			21:46																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/24/2013 17:56 End Date: 04/25/2013 11:57

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	g														
ZZZZZZ			21:52																
ZZZZZZ			21:57																
ZZZZZZ			22:03																
ZZZZZZ			22:09																
ZZZZZZ			22:14																
ZZZZZZ			22:20																
CCV 680-274404/49			22:25																
CCB 680-274404/50			22:31																
ZZZZZZ			22:37																
ZZZZZZ			22:42																
ZZZZZZ			22:48																
ZZZZZZ			22:53																
ZZZZZZ			22:59																
ZZZZZZ			23:04																
ZZZZZZ			23:10																
ZZZZZZ			23:16																
ZZZZZZ			23:21																
ZZZZZZ			23:27																
CCV 680-274404/61			23:32																
CCB 680-274404/62			23:38																
ZZZZZZ			23:44																
ZZZZZZ			23:49																
ZZZZZZ			23:55																
ZZZZZZ			00:00																
ZZZZZZ			00:06																
ZZZZZZ			00:12																
ZZZZZZ			00:17																
ZZZZZZ			00:23																
ZZZZZZ			00:28																
ZZZZZZ			00:34																
CCV 680-274404/73			00:40																
CCB 680-274404/74			00:45																
ZZZZZZ			00:51																
ZZZZZZ			00:56																
ZZZZZZ			01:02																
ZZZZZZ			01:08																
ZZZZZZ			01:13																
ZZZZZZ			01:19																
ZZZZZZ			01:24																
ZZZZZZ			01:30																
ZZZZZZ			01:35																
ZZZZZZ			01:41																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/24/2013 17:56 End Date: 04/25/2013 11:57

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g															
CCV 680-274404/85			01:47																
CCB 680-274404/86			01:52																
ZZZZZZ			01:58																
ZZZZZZ			02:03																
ZZZZZZ			02:09																
ZZZZZZ			02:15																
ZZZZZZ			02:20																
ZZZZZZ			02:26																
ZZZZZZ			02:31																
ZZZZZZ			02:37																
ZZZZZZ			02:43																
ZZZZZZ			02:48																
CCV 680-274404/97			02:54																
CCB 680-274404/98			02:59																
ZZZZZZ			03:05																
ZZZZZZ			03:11																
ZZZZZZ			03:16																
ZZZZZZ			03:22																
ZZZZZZ			03:27																
ZZZZZZ			03:33																
ZZZZZZ			03:39																
ZZZZZZ			03:44																
ZZZZZZ			03:50																
ZZZZZZ			03:56																
CCV 680-274404/109			04:01																
CCB 680-274404/110			04:07																
ZZZZZZ			04:13																
ZZZZZZ			04:18																
ZZZZZZ			04:24																
ZZZZZZ			04:29																
ZZZZZZ			04:35																
ZZZZZZ			04:41																
ZZZZZZ			04:46																
ZZZZZZ			04:52																
ZZZZZZ			04:57																
ZZZZZZ			05:03																
CCV 680-274404/121			05:09																
CCB 680-274404/122			05:14																
ZZZZZZ			05:20																
ZZZZZZ			05:25																
ZZZZZZ			05:31																
ZZZZZZ			05:37																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: ICPE Method: 6010C

Start Date: 04/24/2013 17:56 End Date: 04/25/2013 11:57

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	g														
ZZZZZZ			05:42																
ZZZZZZ			05:48																
ZZZZZZ			05:53																
ZZZZZZ			05:59																
ZZZZZZ			06:05																
ZZZZZZ			06:10																
CCV 680-274404/133	1		06:16	X															
CCB 680-274404/134	1		06:22	X															
ZZZZZZ			06:27																
ZZZZZZ			06:33																
ZZZZZZ			06:38																
ZZZZZZ			06:44																
ZZZZZZ			06:50																
680-89328-8	1	T	06:55	X															
680-89328-8 SD	5	T	07:01	X															
680-89328-8 PDS	1	T	07:06	X															
680-89328-8 MS	1	T	07:12	X															
680-89328-8 MSD	1	T	07:18	X															
CCV 680-274404/145	1		07:23	X															
CCB 680-274404/146	1		07:29	X															
ZZZZZZ			07:35																
ZZZZZZ			07:40																
ZZZZZZ			07:46																
ZZZZZZ			07:51																
ZZZZZZ			07:57																
ZZZZZZ			08:03																
ZZZZZZ			08:08																
ZZZZZZ			08:14																
ZZZZZZ			08:20																
ZZZZZZ			08:25																
CCV 680-274404/157			08:31																
CCB 680-274404/158			08:37																
ZZZZZZ			08:42																
ZZZZZZ			08:48																
ZZZZZZ			08:53																
ZZZZZZ			08:59																
ZZZZZZ			09:05																
ZZZZZZ			09:10																
ZZZZZZ			09:16																
ZZZZZZ			09:22																
ZZZZZZ			09:27																
ZZZZZZ			09:33																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3
 SDG No.: 68089328-3
 Instrument ID: ICPE Method: 6010C
 Start Date: 04/24/2013 17:56 End Date: 04/25/2013 11:57

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	g														
CCV 680-274404/169			09:47																
CCB 680-274404/170			09:53																
ZZZZZZ			09:59																
ZZZZZZ			10:04																
ZZZZZZ			10:10																
ZZZZZZ			10:15																
ZZZZZZ			10:22																
ZZZZZZ			10:27																
ZZZZZZ			10:33																
ZZZZZZ			10:38																
ZZZZZZ			10:44																
ZZZZZZ			10:50																
CCV 680-274404/181			10:55																
CCB 680-274404/182			11:01																
ZZZZZZ			11:07																
ZZZZZZ			11:12																
ZZZZZZ			11:18																
CCV 680-274404/186			11:24																
CCB 680-274404/187			11:29																
ZZZZZZ			11:35																
ZZZZZZ			11:46																
CCV 680-274404/190			11:51																
CCB 680-274404/191			11:57																

Prep Types
 T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/17/2013 13:48 End Date: 04/17/2013 17:41

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 680-273176/29-A			13:48	X															
IC 680-273176/30-A			13:51	X															
IC 680-273176/31-A			13:53	X															
IC 680-273176/32-A			13:56	X															
IC 680-273176/33-A			13:58	X															
IC 680-273176/34-A			14:01	X															
ICV 680-273176/39-A	1		14:03	X															
ICB 680-273176/40-A	1		14:06	X															
CRA 680-273176/41-A	1		14:08	X															
CCV 680-273176/36-A	1		14:10	X															
CCB 680-273176/37-A	1		14:13	X															
MB 680-273176/1-A	1	T	14:15	X															
LCS 680-273176/2-A	1	T	14:18	X															
ZZZZZZ			14:20																
ZZZZZZ			14:23																
ZZZZZZ			14:25																
ZZZZZZ			14:27																
ZZZZZZ			14:30																
ZZZZZZ			14:32																
ZZZZZZ			14:35																
ZZZZZZ			14:37																
CCV 680-273176/36-A	1		14:40	X															
CCB 680-273176/37-A	1		14:42	X															
ZZZZZZ			14:45																
ZZZZZZ			14:47																
ZZZZZZ			14:50																
ZZZZZZ			14:52																
ZZZZZZ			14:54																
ZZZZZZ			14:57																
680-89328-8	1	T	14:59	X															
680-89328-8 MS	1	T	15:02	X															
680-89328-8 MSD	1	T	15:04	X															
680-89328-10	1	T	15:07	X															
CCV 680-273176/36-A	1		15:09	X															
CCB 680-273176/37-A	1		15:12	X															
680-89328-15	1	T	15:14	X															
680-89328-33	1	T	15:16	X															
680-89328-34	1	T	15:19	X															
680-89328-35	1	T	15:21	X															
ZZZZZZ			15:24																
ZZZZZZ			15:26																
ZZZZZZ			15:29																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/17/2013 13:48 End Date: 04/17/2013 17:41

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:31																
ZZZZZZ			15:34																
ZZZZZZ			15:36																
CCV 680-273176/36-A	1		15:39	X															
CCB 680-273176/37-A	1		15:41	X															
ZZZZZZ			15:43																
ZZZZZZ			15:46																
ZZZZZZ			15:48																
ZZZZZZ			15:51																
ZZZZZZ			15:53																
ZZZZZZ			15:56																
ZZZZZZ			15:58																
ZZZZZZ			16:01																
ZZZZZZ			16:03																
ZZZZZZ			16:05																
CCV 680-273176/36-A			16:08																
CCB 680-273176/37-A			16:10																
ZZZZZZ			16:13																
ZZZZZZ			16:15																
CCV 680-273176/36-A			16:18																
CCB 680-273176/37-A			16:20																
CCV 680-273176/36-A			17:17																
CCB 680-273176/37-A			17:19																
ZZZZZZ			17:22																
ZZZZZZ			17:24																
ZZZZZZ			17:27																
ZZZZZZ			17:29																
ZZZZZZ			17:32																
ZZZZZZ			17:34																
ZZZZZZ			17:36																
CCV 680-273176/36-A			17:39																
CCB 680-273176/37-A			17:41																

Prep Types
T = Total/NA

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Blank (Blk)	4/17/2013, 11:40:56 AM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	-0.0319	0.3277	-0.2958
Al 308.215	-0.9863	2.7638	-1.7775
As 188.980	-1.2532	0.0848	1.1684
B 249.678	0.2651	-0.1722	-0.0929
Ba 389.178	0.2399	0.0011	-0.2410
Be 313.042	-0.0276	0.0076	0.0201
Ca 370.602	-0.4120	4.481	-4.069
Cd 226.502	0.1110	-0.0702	-0.0407
Co 228.615	-0.0589	-0.2640	0.3229
Cr 267.716	-0.2050	-0.0743	0.2793
Cu 324.754	0.5931	-0.1118	-0.4813
Fe 271.441	-3.7868	-2.7340	6.5207
K 766.491	-1.4018	0.7641	0.6377
Mg 279.078	3.0030	0.9012	-3.9042
Mn 257.610	-0.2851	-0.0558	0.3409
Mo 202.032	0.4127	-0.6536	0.2409
Na 330.237	112.246	-139.495	27.2484
Ni 231.604	-1.0850	0.3523	0.7327
Pb 220.353	1.6354	-1.2072	-0.4282
Sb 206.834	-2.0317	-0.9263	2.9580
Se 196.026	-0.0503	0.6441	-0.5938
Sn 189.925	1.5171	-1.6130	0.0959
Sr 216.596	-0.3688	0.6790	-0.3102
Ti 334.941	-0.0001	0.0119	-0.0119
Tl 190.794	0.9263	-1.5686	0.6423
V 292.401	-0.0397	-0.0346	0.0744
Zn 206.200	-0.0310	0.0030	0.0280

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	23.574	93.6	25.1908
Al 308.215	0.0000	ppb	5.341	22.1	-24.1796
As 188.980	0.0000	ppb	0.738	7.7	-9.5997
B 249.678	0.0000	ppb	2.695	1.4	192.803
Ba 389.178	0.0000	ppb	5.158	24.3	21.2458
Be 313.042	0.0000	ppb	42.973	7.0	611.203
Ca 370.602	0.0000	ppb	11.751	68.3	17.20
Cd 226.502	0.0000	ppb	3.296	7.6	43.3028
Co 228.615	0.0000	ppb	2.966	161.4	-1.8375
Cr 267.716	0.0000	ppb	7.727	82.7	9.3435
Cu 324.754	0.0000	ppb	28.375	13.5	210.836
Fe 271.441	0.0000	ppb	9.267	8.1	114.325
K 766.491	0.0000	ppb	38.591	8.2	469.704
Mg 279.078	0.0000	ppb	7.063	20.4	34.6185
Mn 257.610	0.0000	ppb	73.348	17.2	427.643
Mo 202.032	0.0000	ppb	4.064	18.9	21.4847
Na 330.237	0.0000	ppb	5.585	10.1	55.4511
Ni 231.604	0.0000	ppb	2.462	54.0	-4.5580
Pb 220.353	0.0000	ppb	2.503	9.0	27.9208
Sb 206.834	0.0000	ppb	2.580	86.9	-2.9700
Se 196.026	0.0000	ppb	0.287	2.8	10.3889
Sn 189.925	0.0000	ppb	1.140	22.3	-5.1113
Sr 216.596	0.0000	ppb	5.646	11.6	48.7131
Ti 334.941	0.0000	ppb	3.035	3.4	89.2070
Tl 190.794	0.0000	ppb	1.312	10.6	-12.3990
V 292.401	0.0000	ppb	1.705	10.5	16.3081
Zn 206.200	0.0000	ppb	0.038	1.0	3.9913

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

HIGH STD (Std) **4/17/2013, 11:44:23 AM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	997.092	1004.44	998.467
Al 308.215	9935.20	10000.7	10064.1
As 188.980	1007.30	994.929	997.766
B 249.678	993.096	1002.41	1004.49
Ba 389.178	9978.09	10004.1	10017.8
Be 313.042	996.836	1000.96	1002.20
Ca 370.602	9964	10003	10033
Cd 226.502	998.519	1000.66	1000.82
Co 228.615	997.202	1001.18	1001.62
Cr 267.716	9947.17	10004.3	10048.6
Cu 324.754	9925.10	10094.4	9980.54
Fe 271.441	9961.05	10023.0	10016.0
K 766.491	19956.0	20011.4	20032.6
Mg 279.078	9981.72	10012.3	10006.0
Mn 257.610	9976.07	10025.3	9998.60
Mo 202.032	997.204	1001.80	1000.99
Na 330.237	15037.0	14902.5	15060.5
Ni 231.604	4989.08	5006.38	5004.54
Pb 220.353	995.614	1000.07	1004.32
Sb 206.834	1993.94	2007.87	1998.19
Se 196.026	9969.69	10027.3	10003.0
Sn 189.925	9942.13	10042.4	10015.4
Sr 216.596	4983.76	5003.95	5012.29
Ti 334.941	995.361	1001.39	1003.25
Tl 190.794	9960.02	10035.5	10004.4
V 292.401	9972.48	10016.3	10011.2
Zn 206.200	4988.42	5006.02	5005.56

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	294.292	0.4	75356.8
Al 308.215	10000.0	ppb	141.904	0.6	21989.9
As 188.980	1000.00	ppb	3.946	0.7	599.130
B 249.678	1000.00	ppb	70.194	0.6	11761.2
Ba 389.178	10000.0	ppb	432.900	0.2	214542
Be 313.042	1000.00	ppb	4885.467	0.3	1739612
Ca 370.602	10000	ppb	95.121	0.3	27411
Cd 226.502	1000.00	ppb	43.562	0.1	33949.1
Co 228.615	1000.00	ppb	24.230	0.2	9956.96
Cr 267.716	10000.0	ppb	1567.506	0.5	308419
Cu 324.754	10000.0	ppb	4485.595	0.9	520065
Fe 271.441	10000.0	ppb	55.417	0.3	16453.6
K 766.491	20000.0	ppb	1256.320	0.2	635401
Mg 279.078	10000.0	ppb	32.205	0.2	19983.8
Mn 257.610	10000.0	ppb	5710.883	0.2	2316312
Mo 202.032	1000.00	ppb	17.425	0.2	7119.26
Na 330.237	15000.0	ppb	3.719	0.5	709.607
Ni 231.604	5000.00	ppb	24.407	0.2	12837.6
Pb 220.353	1000.00	ppb	7.415	0.4	1732.10
Sb 206.834	2000.00	ppb	7.025	0.4	1965.69
Se 196.026	10000.0	ppb	13.383	0.3	4638.50
Sn 189.925	10000.0	ppb	37.742	0.5	7266.54
Sr 216.596	5000.00	ppb	140.688	0.3	47999.4
Ti 334.941	1000.00	ppb	1052.002	0.4	255161
Tl 190.794	10000.0	ppb	36.470	0.4	9597.29
V 292.401	10000.0	ppb	633.809	0.2	264514
Zn 206.200	5000.00	ppb	12.898	0.2	6434.34

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Ag 328.068 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.1908	0.0000	0.0000	-	-
HIGH STD		75356.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 75.3 x + 25.2$ **Al 308.215 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-24.1796	0.0000	0.0000	-	-
HIGH STD		21989.9	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 2.2 x + -24.2$ **As 188.980 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-9.5997	0.0000	0.0000	-	-
HIGH STD		599.130	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 0.6 x + -9.6$ **B 249.678 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		192.803	0.0000	0.0000	-	-
HIGH STD		11761.2	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: $y = 11.6 x + 192.8$ **Ba 389.178 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.2458	0.0000	0.0000	-	-
HIGH STD		214542	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 21.5 x + 21.2$ **Be 313.042 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		611.203	0.0000	0.0000	-	-
HIGH STD		1739612	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 1739.0 x + 611.2$ **Ca 370.602 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.20	0.0000	0.0000	-	-
HIGH STD		27411	10000	10000	0.0010	0.0

Curve Type: Linear Equation: $y = 2.7 x + 17.2$

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cd 226.502 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		43.3028	0.0000	0.0000	-	-
HIGH STD		33949.1	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 33.9 x + 43.3$ **Co 228.615 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.8375	0.0000	0.0000	-	-
HIGH STD		9956.96	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 10.0 x + -1.8$ **Cr 267.716 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.3435	0.0000	0.0000	-	-
HIGH STD		308419	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 30.8 x + 9.3$ **Cu 324.754 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		210.836	0.0000	0.0000	-	-
HIGH STD		520065	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 52.0 x + 210.8$ **Fe 271.441 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		114.325	0.0000	0.0000	-	-
HIGH STD		16453.6	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 1.6 x + 114.3$ **K 766.491 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		469.704	0.0000	0.0000	-	-
HIGH STD		635401	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 31.7 x + 469.7$ **Mg 279.078 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		34.6185	0.0000	0.0000	-	-
HIGH STD		19983.8	10000.0	10000.0	0.0020	0.0

Curve Type: Linear Equation: $y = 2.0 x + 34.6$

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Mn 257.610 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		427.643	0.0000	0.0000	-	-
HIGH STD		2316312	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 231.6 x + 427.6$ **Mo 202.032 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.4847	0.0000	0.0000	-	-
HIGH STD		7119.26	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 7.1 x + 21.5$ **Na 330.237 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		55.4511	0.0000	0.0000	-	-
HIGH STD		709.607	15000.0	15000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 0.0 x + 55.5$ **Ni 231.604 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.5580	0.0000	0.0000	-	-
HIGH STD		12837.6	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: $y = 2.6 x + -4.6$ **Pb 220.353 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		27.9208	0.0000	0.0000	-	-
HIGH STD		1732.10	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.7 x + 27.9$ **Sb 206.834 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.9700	0.0000	0.0000	-	-
HIGH STD		1965.69	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.0 x + -3.0$ **Se 196.026 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.3889	0.0000	0.0000	-	-
HIGH STD		4638.50	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + 10.4$

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Sn 189.925 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.1113	0.0000	0.0000	-	-
HIGH STD		7266.54	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.7 x + -5.1$ **Sr 216.596 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		48.7131	0.0000	0.0000	-	-
HIGH STD		47999.4	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 9.6 x + 48.7$ **Ti 334.941 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		89.2070	0.0000	0.0000	-	-
HIGH STD		255161	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: $y = 255.1 x + 89.2$ **Tl 190.794 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.3990	0.0000	0.0000	-	-
HIGH STD		9597.29	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.0 x + -12.4$ **V 292.401 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.3081	0.0000	0.0000	-	-
HIGH STD		264514	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 26.4 x + 16.3$ **Zn 206.200 Calibration (ppb) 4/17/2013, 11:44:23 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.9913	0.0000	0.0000	-	-
HIGH STD		6434.34	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.3 x + 4.0$ **Lab Control Sample (LCS) 4/17/2013, 11:47:47 AM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	981.843	990.631	992.068
Al 308.215	10007.2	9924.20	9990.18
As 188.980	1010.52	991.003	1001.25
B 249.678	1020.68	1019.60	1027.78
Ba 389.178	9965.57	9919.14	9973.68

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Label	Replicates Concentration		
Be 313.042	991.783	993.391	996.806
Ca 370.602	9932	9890	9946
Cd 226.502	994.207	991.659	996.188
Co 228.615	994.909	989.212	994.884
Cr 267.716	9970.21	9897.12	9956.04
Cu 324.754	9960.18	9911.52	10126.4
Fe 271.441	9928.05	9902.95	9948.98
K 766.491	19952.7	19880.7	19997.0
Mg 279.078	9924.78	9897.98	9940.70
Mn 257.610	9949.94	9881.41	9936.17
Mo 202.032	994.837	990.232	998.336
Na 330.237	14684.0	14256.5	14700.7
Ni 231.604	4967.51	4948.65	4976.74
Pb 220.353	994.398	990.663	999.600
Sb 206.834	1977.58	1984.71	1987.40
Se 196.026	9979.85	9967.51	9977.06
Sn 189.925	10003.4	9926.90	9941.46
Sr 216.596	4986.90	4960.40	4985.80
Ti 334.941	995.789	991.738	998.610
Tl 190.794	9950.09	9940.04	9988.33
V 292.401	9946.32	9914.32	9983.05
Zn 206.200	4969.54	4967.79	4971.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	988.181	ppb	5.5354	0.6	74348.7	98.81810
Al 308.215	9973.87	ppb	43.8503	0.4	21914.8	99.73872
As 188.980	1000.93	ppb	9.7640	1.0	599.416	100.09270
B 249.678	1022.69	ppb	4.4394	0.4	12012.1	20.45376*
Ba 389.178	9952.80	ppb	29.4292	0.3	213591	99.52797
Be 313.042	993.994	ppb	2.5653	0.3	1728690	99.39935
Ca 370.602	9923	ppb	28.86	0.3	26974	99.22694
Cd 226.502	994.018	ppb	2.2705	0.2	33768.6	99.40183
Co 228.615	993.002	ppb	3.2819	0.3	9902.40	99.30021
Cr 267.716	9941.12	ppb	38.7602	0.4	306567	99.41124
Cu 324.754	9999.38	ppb	112.690	1.1	519961	99.99375
Fe 271.441	9926.66	ppb	23.0474	0.2	16569.7	99.26661
K 766.491	19943.4	ppb	58.7149	0.3	633605	99.71719
Mg 279.078	9921.15	ppb	21.5883	0.2	19675.0	99.21152
Mn 257.610	9922.50	ppb	36.2501	0.4	2298451	99.22504
Mo 202.032	994.468	ppb	4.0644	0.4	7061.16	99.44681
Na 330.237	14547.1	ppb	251.767	1.7	649.474	96.98058
Ni 231.604	4964.30	ppb	14.3183	0.3	12746.1	99.28600
Pb 220.353	994.887	ppb	4.4886	0.5	1723.27	99.48871
Sb 206.834	1983.23	ppb	5.0766	0.3	2041.64	39.66463*
Se 196.026	9974.80	ppb	6.4718	0.1	4629.13	99.74805
Sn 189.925	9957.24	ppb	40.5938	0.4	7235.45	99.57237
Sr 216.596	4977.70	ppb	14.9925	0.3	47683.2	99.55405
Ti 334.941	995.379	ppb	3.4545	0.3	254023	99.53790
Tl 190.794	9959.49	ppb	25.4810	0.3	9548.76	99.59488
V 292.401	9947.90	ppb	34.3947	0.3	262375	99.47897
Zn 206.200	4969.70	ppb	2.0005	0.0	6370.32	99.39404

Initial Calib Verif (ICV)

4/17/2013, 11:51:12 AM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	977.179	956.520	963.242
Al 308.215	954.587	954.123	963.072

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Label	Replicates Concentration		
As 188.980	980.312	974.985	971.891
B 249.678	1001.41	995.357	999.712
Ba 389.178	1027.27	1020.16	1027.84
Be 313.042	1029.34x	1023.42x	1029.57x
Ca 370.602	1000	992.1	1001
Cd 226.502	1031.97x	1023.20x	1030.56x
Co 228.615	991.712	983.039	994.773
Cr 267.716	1014.06	1006.22	1014.18
Cu 324.754	1031.78	1025.07	1032.46
Fe 271.441	954.515	944.592	954.711
K 766.491	9912.82	9859.43	9913.56
Mg 279.078	999.706	994.998	994.319
Mn 257.610	1051.04	1044.51	1050.98
Mo 202.032	997.816	986.755	996.493
Na 330.237	10020.5	9670.98	9844.58
Ni 231.604	1030.06	1022.16	1025.62
Pb 220.353	993.212	984.947	994.023
Sb 206.834	965.626	950.231	963.636
Se 196.026	966.739	970.600	977.163
Sn 189.925	4891.29	4855.38	4866.56
Sr 216.596	4943.32	4900.52	4931.21
Ti 334.941	975.492	967.775	973.866
Tl 190.794	1030.21	1010.84	1013.28
V 292.401	987.506	982.913	989.719
Zn 206.200	1018.25	1010.85	1013.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	965.647b	ppb	10.5375	1.1	72557.6	96.56470
Al 308.215	957.260b	ppb	5.0379	0.5	2126.80	95.72605
As 188.980	975.729b	ppb	4.2593	0.4	584.093	97.57291
B 249.678	998.827b	ppb	3.1238	0.3	11746.5	99.88274
Ba 389.178	1025.09b	ppb	4.2787	0.4	22022.0	102.50911
Be 313.042	1027.44xb	ppb	3.4826	0.3	1787162	102.74441
Ca 370.602	997.8b	ppb	5.000	0.5	2866	99.77927
Cd 226.502	1028.58xb	ppb	4.7096	0.5	34920.4	102.85807
Co 228.615	989.841b	ppb	6.0868	0.6	9848.75	98.98412
Cr 267.716	1011.49b	ppb	4.5565	0.5	31196.5	101.14857
Cu 324.754	1029.77b	ppb	4.0818	0.4	53762.4	102.97705
Fe 271.441	951.273b	ppb	5.7861	0.6	1824.36	95.12729
K 766.491	9895.27b	ppb	31.0421	0.3	314610	98.95268
Mg 279.078	996.341b	ppb	2.9343	0.3	2006.25	99.63408
Mn 257.610	1048.84b	ppb	3.7563	0.4	243337	104.88426
Mo 202.032	993.688b	ppb	6.0405	0.6	7072.60	99.36880
Na 330.237	9845.34b	ppb	174.743	1.8	471.767	98.45341
Ni 231.604	1025.95b	ppb	3.9597	0.4	2630.53	102.59471
Pb 220.353	990.727b	ppb	5.0224	0.5	1714.29	99.07271
Sb 206.834	959.831b	ppb	8.3731	0.9	947.239	95.98313
Se 196.026	971.501b	ppb	5.2703	0.5	460.252	97.15005
Sn 189.925	4871.08b	ppb	18.3798	0.4	3536.97	97.42154
Sr 216.596	4925.02b	ppb	22.0605	0.4	47233.3	98.50035
Ti 334.941	972.378b	ppb	4.0678	0.4	248118	97.23775
Tl 190.794	1018.11b	ppb	10.5459	1.0	965.004	101.81095
V 292.401	986.713b	ppb	3.4720	0.4	25882.1	98.67125
Zn 206.200	1014.12b	ppb	3.7734	0.4	1305.67	101.41234

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Initial Calib Blank (ICB) 4/17/2013, 11:57:02 AM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3836u	-0.3266u	-0.6485u
Al 308.215	5.2176	4.4042	-0.3368u
As 188.980	6.3356	2.5629	-0.0172u
B 249.678	24.2345	22.1871	19.9990
Ba 389.178	-0.8182u	0.2474	-0.7823u
Be 313.042	-0.3218u	-0.2841u	-0.2200u
Ca 370.602	6.430	0.1417	2.432
Cd 226.502	-0.1536u	-0.2293u	-0.2349u
Co 228.615	-0.1152u	-0.2574u	0.7293
Cr 267.716	-0.5023u	0.0183	0.2967
Cu 324.754	0.1304	0.2077	0.5026
Fe 271.441	-0.7005u	-1.7280u	-0.0900u
K 766.491	-3.8887u	-2.9668u	-2.3607u
Mg 279.078	2.2061	-1.4647u	1.4883
Mn 257.610	-0.3520u	-0.0179u	0.3950
Mo 202.032	0.6324	0.7543	0.1099
Na 330.237	147.730	-93.2709u	18.4563
Ni 231.604	-1.4959u	0.2547	0.3532
Pb 220.353	2.2380	3.0593	2.5250
Sb 206.834	0.2841	-4.6824u	7.0211
Se 196.026	6.6129	1.0680	-0.3002u
Sn 189.925	0.5666	-1.5962u	-0.7004u
Sr 216.596	-1.4668u	-1.8827u	-0.7493u
Ti 334.941	0.0813	-0.0178u	0.1626
Tl 190.794	2.1755	7.2078	5.9591
V 292.401	-0.1704u	0.2186	0.3633
Zn 206.200	-1.4949u	-0.6493u	-1.1314u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4529	ppb	0.1718	37.9	-8.8514	-0.45290
Al 308.215	3.0950	ppb	2.9997	96.9	-17.3404	3.09499
As 188.980	2.9604	ppb	3.1950	107.9	-7.7977	2.96043
B 249.678	22.1402	ppb	2.1181	9.6	448.932	22.14019
Ba 389.178	-0.4510	ppb	0.6051	134.2	11.5725	-0.45103
Be 313.042	-0.2753	ppb	0.0515	18.7	132.364	-0.27530
Ca 370.602	3.001	ppb	3.183	106.0	25.53	3.00141
Cd 226.502	-0.2059	ppb	0.0454	22.0	36.3164	-0.20595
Co 228.615	0.1189	ppb	0.5334	448.7	-0.6663	0.11888
Cr 267.716	-0.0624	ppb	0.4055	649.7	7.4192	-0.06242
Cu 324.754	0.2802	ppb	0.1965	70.1	225.417	0.28023
Fe 271.441	-0.8395	ppb	0.8278	98.6	112.986	-0.83948
K 766.491	-3.0721	ppb	0.7694	25.0	372.177	-3.07205
Mg 279.078	0.7432	ppb	1.9455	261.8	36.0994	0.74322
Mn 257.610	0.0084	ppb	0.3742	4468.8	429.581	0.00837
Mo 202.032	0.4989	ppb	0.3423	68.6	25.0254	0.49887
Na 330.237	24.3050	ppb	120.607	496.2	56.5183	24.30501
Ni 231.604	-0.2960	ppb	1.0403	351.5	-5.3182	-0.29599
Pb 220.353	2.6075	ppb	0.4168	16.0	32.3635	2.60747
Sb 206.834	0.8743	ppb	5.8740	671.9	-2.1193	0.87426
Se 196.026	2.4603	ppb	3.6608	148.8	11.5276	2.46028
Sn 189.925	-0.5766	ppb	1.0867	188.5	-5.5306	-0.57665
Sr 216.596	-1.3663	ppb	0.5734	42.0	35.6011	-1.36629
Ti 334.941	0.0754	ppb	0.0904	119.9	108.433	0.07538
Tl 190.794	5.1142	ppb	2.6204	51.2	-7.4844	5.11415
V 292.401	0.1372	ppb	0.2760	201.2	19.8328	0.13719
Zn 206.200	-1.0919	ppb	0.4242	38.8	2.5870	-1.09185

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CRI (CRI) 4/17/2013, 12:02:36 PM Rack S, Tube 4

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.2108	9.5124	9.6688
Al 308.215	211.393	211.963	215.678
As 188.980	23.3356	19.3402	24.3325
B 249.678	105.630	106.582	104.899
Ba 389.178	8.4074	9.3990	8.8324
Be 313.042	3.9454	3.9348	3.9509
Ca 370.602	520.0	511.6	519.4
Cd 226.502	5.1450	5.2730	5.1931
Co 228.615	11.3866	10.4066	11.3576
Cr 267.716	9.6719	10.0462	10.1311
Cu 324.754	22.0521	20.4816	21.7384
Fe 271.441	39.6544	44.6406	43.8599
K 766.491	1030.65	1025.32	1023.04
Mg 279.078	533.942	534.469	525.396
Mn 257.610	9.9674	9.9043	10.2188
Mo 202.032	9.8596	10.4903	8.9058
Na 330.237	810.250	811.003	1052.55
Ni 231.604	43.3551	42.7920	43.4075
Pb 220.353	9.3779	12.6101	13.1571
Sb 206.834	22.4182	21.4410	19.3149
Se 196.026	15.0824	20.0593	21.6310
Sn 189.925	43.1119	50.6014	51.9665
Sr 216.596	7.6409	8.3721	8.1077
Ti 334.941	9.9483	9.8693	9.8738
Tl 190.794	27.4389	20.1613	23.3479
V 292.401	9.6244	9.7475	9.8394
Zn 206.200	21.1691	21.1004	23.0125

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.4640	ppb	0.2328	2.5	737.884	94.64000
Al 308.215	213.012	ppb	2.3271	1.1	445.166	106.50579
As 188.980	22.3361	ppb	2.6419	11.8	3.9984	111.68060
B 249.678	105.704	ppb	0.8437	0.8	1415.58	105.70385
Ba 389.178	8.8796	ppb	0.4975	5.6	213.139	88.79610
Be 313.042	3.9437	ppb	0.0081	0.2	7467.61	98.59243
Ca 370.602	517.0	ppb	4.686	0.9	1432	103.40086
Cd 226.502	5.2037	ppb	0.0646	1.2	219.832	104.07388
Co 228.615	11.0503	ppb	0.5576	5.0	108.154	110.50254
Cr 267.716	9.9498	ppb	0.2443	2.5	316.170	99.49753
Cu 324.754	21.4240	ppb	0.8311	3.9	1324.76	107.12016
Fe 271.441	42.7183	ppb	2.6820	6.3	185.796	85.43664
K 766.491	1026.33	ppb	3.9038	0.4	33052.3	102.63345
Mg 279.078	531.269	ppb	5.0927	1.0	1094.25	106.25382
Mn 257.610	10.0301	ppb	0.1664	1.7	2753.73	100.30145
Mo 202.032	9.7519	ppb	0.7977	8.2	90.6816	97.51896
Na 330.237	891.268	ppb	139.676	15.7	94.1067	89.12682
Ni 231.604	43.1849	ppb	0.3412	0.8	106.360	107.96219
Pb 220.353	11.7150	ppb	2.0424	17.4	47.8639	117.15035
Sb 206.834	21.0580	ppb	1.5867	7.5	17.7680	105.29018
Se 196.026	18.9242	ppb	3.4187	18.1	19.1495	94.62109
Sn 189.925	48.5599	ppb	4.7672	9.8	30.2002	97.11981
Sr 216.596	8.0402	ppb	0.3702	4.6	124.920	80.40215
Ti 334.941	9.8971	ppb	0.0443	0.4	2615.82	98.97136
Tl 190.794	23.6494	ppb	3.6481	15.4	10.3172	94.59758
V 292.401	9.7371	ppb	0.1079	1.1	271.583	97.37093
Zn 206.200	21.7607	ppb	1.0847	5.0	21.9513	108.80333

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Interf Check A (ICSA) 4/17/2013, 12:08:12 PM Rack S, Tube 5
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2336u	-1.0046u	-1.7164u
Al 308.215	584229	587804	587012
As 188.980	-0.8091	0.3841	2.3863
B 249.678	-10.3403u	-11.8105u	-12.2581u
Ba 389.178	-3.6370	-4.2625	-4.4834
Be 313.042	-0.6871u	-0.6899u	-0.6946u
Ca 370.602	511128	514359	509495
Cd 226.502	6.1867	6.0902	5.7303
Co 228.615	-0.0287u	0.8591	0.8458
Cr 267.716	-0.4422	-0.1153	-0.4998
Cu 324.754	-0.8628	-0.2367	-0.6992
Fe 271.441	196584	197512	196734
K 766.491	-8.7128u	-8.7042u	-8.0300u
Mg 279.078	550103	553241	550168
Mn 257.610	-1.0952	-1.0881	-1.2193
Mo 202.032	1.6640	1.4254	0.8768u
Na 330.237	-62.0414u	-85.0315u	-71.7561u
Ni 231.604	2.8884	1.7806	1.6023
Pb 220.353	5.7296	1.4190u	15.1971
Sb 206.834	10.3476	-3.3211	6.4937
Se 196.026	-15.0626u	-11.3790u	-1.7877u
Sn 189.925	-13.1638u	-3.8725u	-7.6670u
Sr 216.596	4.8546	4.1949	5.1353
Ti 334.941	-0.8549	-0.7901	-0.8347
Tl 190.794	-7.7159u	-14.6549u	-10.0752u
V 292.401	-0.7015u	0.0010	-0.1975u
Zn 206.200	19.9520	16.7005	20.0712

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-1.3182	ppb	0.3633	27.6	-81.8879	-1.31823
Al 308.215	586348	ppb	1877.38	0.3	1290766	-
As 188.980	0.6538	ppb	1.6147	247.0	-6.9276	0.65377
B 249.678	-11.4696	ppb	1.0033	8.7	-167.349	-11.46962
Ba 389.178	-4.1276	ppb	0.4390	10.6	1527.23	-4.12764
Be 313.042	-0.6905	ppb	0.0038	0.6	-399.936	-0.69053
Ca 370.602	511661	ppb	2475	0.5	1387842	-
Cd 226.502	6.0024	ppb	0.2406	4.0	688.782	6.00238
Co 228.615	0.5587	ppb	0.5088	91.1	-1.9050	0.55873
Cr 267.716	-0.3524	ppb	0.2074	58.9	31.8505	-0.35241
Cu 324.754	-0.5996	ppb	0.3247	54.2	240.389	-0.59959
Fe 271.441	196943	ppb	498.009	0.3	321905	-
K 766.491	-8.4823	ppb	0.3918	4.6	200.420	-8.48233
Mg 279.078	551171	ppb	1793.32	0.3	1099454	-
Mn 257.610	-1.1342	ppb	0.0738	6.5	3931.07	-1.13421
Mo 202.032	1.3221	ppb	0.4036	30.5	21.1955	1.32208
Na 330.237	-72.9429	ppb	11.5409	15.8	1.9882	-72.94293
Ni 231.604	2.0905	ppb	0.6968	33.3	5.0102	2.09046
Pb 220.353	7.4486	ppb	7.0481	94.6	36.9099	7.44859
Sb 206.834	4.5067	ppb	7.0477	156.4	5.8725	4.50674
Se 196.026	-9.4098	ppb	6.8531	72.8	5.8573	-9.40976
Sn 189.925	-8.2344	ppb	4.6716	56.7	-10.9156	-8.23442
Sr 216.596	4.7283	ppb	0.4828	10.2	212.275	4.72828
Ti 334.941	-0.8266	ppb	0.0331	4.0	2192.28	-0.82657
Tl 190.794	-10.8153	ppb	3.5282	32.6	-32.5423	-10.81534
V 292.401	-0.2993	ppb	0.3621	121.0	11.1523	-0.29933
Zn 206.200	18.9079	ppb	1.9126	10.1	28.3059	18.90788

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Interf Check AB (ICSAB) 4/17/2013, 12:13:48 PM Rack S, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	221.865	223.937	221.454
Al 308.215	586712	588576	588888
As 188.980	114.138	107.594	115.252
B 249.678	-16.0053u	-16.6906u	-17.5023u
Ba 389.178	533.024	533.152	534.399
Be 313.042	520.903	519.804	520.458
Ca 370.602	514963	512602	518153
Cd 226.502	1038.82	1038.22	1040.46
Co 228.615	515.403	514.512	516.824
Cr 267.716	523.026	523.857	525.085
Cu 324.754	592.816	593.351	588.922
Fe 271.441	197681	197802	197991
K 766.491	-10.2821u	-9.4918u	-9.2954u
Mg 279.078	557273	555831	556475
Mn 257.610	527.060	526.510	527.798
Mo 202.032	1093.00	1098.00	1096.97
Na 330.237	-589.460u	-597.187u	-496.790u
Ni 231.604	1013.81	1017.53	1010.52
Pb 220.353	55.0518	57.0100	61.8024
Sb 206.834	640.160	637.991	646.016
Se 196.026	45.2698	50.9837	35.9424
Sn 189.925	1065.49	1069.79	1061.66
Sr 216.596	5.6092	5.1344	6.0763
Ti 334.941	-7.2703	-7.1742	-7.2225
Tl 190.794	98.8221	96.9715	88.0246
V 292.401	511.027	510.935	511.362
Zn 206.200	1017.32	1012.96	1010.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	222.419	ppb	1.3310	0.6	16778.1	111.20934
Al 308.215	588059	ppb	1176.71	0.2	1294583	117.61172
As 188.980	112.328	ppb	4.1373	3.7	60.7837	112.32804
B 249.678	-16.7327	ppb	0.7494	4.5	-229.417	-
Ba 389.178	533.525	ppb	0.7595	0.1	13081.8	106.70494
Be 313.042	520.389	ppb	0.5530	0.1	905585	104.07771
Ca 370.602	515239	ppb	2786	0.5	1397589	103.04784
Cd 226.502	1039.17	ppb	1.1611	0.1	35721.4	103.91681
Co 228.615	515.580	ppb	1.1659	0.2	5096.03	103.11597
Cr 267.716	523.989	ppb	1.0356	0.2	16195.2	104.79784
Cu 324.754	591.697	ppb	2.4174	0.4	31057.6	118.33931
Fe 271.441	197825	ppb	156.410	0.1	323426	98.91226
K 766.491	-9.6897	ppb	0.5223	5.4	162.089	-
Mg 279.078	556526	ppb	722.124	0.1	1110130	111.30527
Mn 257.610	527.123	ppb	0.6461	0.1	126304	105.42455
Mo 202.032	1095.99	ppb	2.6402	0.2	7789.92	109.59884
Na 330.237	-561.146	ppb	55.8678	10.0	-25.7999	-
Ni 231.604	1013.95	ppb	3.5068	0.3	2603.92	101.39523
Pb 220.353	57.9548	ppb	3.4730	6.0	121.410	115.90953
Sb 206.834	641.389	ppb	4.1512	0.6	627.453	106.89817
Se 196.026	44.0653	ppb	7.5926	17.2	30.7274	88.13060
Sn 189.925	1065.65	ppb	4.0648	0.4	769.974	106.56460
Sr 216.596	5.6066	ppb	0.4709	8.4	170.730	-
Ti 334.941	-7.2223	ppb	0.0481	0.7	583.838	-
Tl 190.794	94.6061	ppb	5.7743	6.1	68.0133	94.60608
V 292.401	511.108	ppb	0.2251	0.0	13299.2	102.22160
Zn 206.200	1013.65	ppb	3.3837	0.3	1206.27	101.36459

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LRA1 (Samp) 4/17/2013, 12:19:25 PM Rack S, Tube 7**Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9313	-0.7748	-1.1330
Al 308.215	225.530	227.072	234.549
As 188.980	21042.1x	21008.1x	21032.1x
B 249.678	5532.34x	5569.57x	5585.64x
Ba 389.178	-4.1077u	-3.4452u	-3.2090u
Be 313.042	-0.3128u	-0.3275u	-0.3116u
Ca 370.602	1832	1799	1786
Cd 226.502	-1.2153u	-1.1066u	-1.1927u
Co 228.615	11617.7	11508.5	11541.1
Cr 267.716	8.3215	8.0210	7.6468
Cu 324.754	-6.4311u	-6.7073u	-6.5577u
Fe 271.441	11.5610	2.8463	-6.6108
K 766.491	-5.6471u	-5.2442u	-4.6248u
Mg 279.078	165.951u	162.308u	170.302u
Mn 257.610	30934.6x	31035.3x	31107.6x
Mo 202.032	1.1329	1.1346	0.5558
Na 330.237	128453x	128493x	127991x
Ni 231.604	11424.6x	11444.8x	11441.2x
Pb 220.353	21699.0x	21750.5x	21751.4x
Sb 206.834	11.1303	7.8857	14.0194
Se 196.026	4.5452	-1.9050	-0.9911
Sn 189.925	3.2439	-1.9376u	-0.7220u
Sr 216.596	-6.1623u	-5.2689u	-6.7509u
Ti 334.941	34574.8	34732.6	34708.5
Tl 190.794	88.9268	99.2148	95.4510
V 292.401	-7.0192	-6.4364	-6.2641
Zn 206.200	131.747	130.350	132.158

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9464b	ppb	0.1795	19.0	98.2297
Al 308.215	229.050b	ppb	4.8243	2.1	480.001
As 188.980	21027.4xb	ppb	17.4535	0.1	12790.4
B 249.678	5562.52xb	ppb	27.3443	0.5	64541.3
Ba 389.178	-3.5873b	ppb	0.4659	13.0	-54.6224
Be 313.042	-0.3173b	ppb	0.0088	2.8	29.5469
Ca 370.602	1806b	ppb	23.63	1.3	11183
Cd 226.502	-1.1715b	ppb	0.0573	4.9	5.4068
Co 228.615	11555.8b	ppb	56.0623	0.5	115859
Cr 267.716	7.9964b	ppb	0.3380	4.2	386.324
Cu 324.754	-6.5654b	ppb	0.1383	2.1	-130.487
Fe 271.441	2.5988b	ppb	9.0885	349.7	1833.34
K 766.491	-5.1720b	ppb	0.5150	10.0	305.511
Mg 279.078	166.187b	ppb	4.0019	2.4	-104.075
Mn 257.610	31025.8xb	ppb	86.9010	0.3	7185650
Mo 202.032	0.9411b	ppb	0.3337	35.5	28.0918
Na 330.237	128312xb	ppb	278.833	0.2	5421.31
Ni 231.604	11436.9xb	ppb	10.7721	0.1	29370.2
Pb 220.353	21733.6xb	ppb	30.0025	0.1	37049.5
Sb 206.834	11.0118b	ppb	3.0686	27.9	7.8821
Se 196.026	0.5497b	ppb	3.4902	634.9	17.8210
Sn 189.925	0.1948b	ppb	2.7096	1391.3	-4.9346
Sr 216.596	-6.0607b	ppb	0.7462	12.3	-181.955
Ti 334.941	34672.0b	ppb	85.0232	0.2	8843901
Tl 190.794	94.5309b	ppb	5.2053	5.5	40.6021
V 292.401	-6.5733b	ppb	0.3957	6.0	370.422
Zn 206.200	131.418b	ppb	0.9478	0.7	173.001

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LRA2 (Samp) 4/17/2013, 12:25:03 PM **Rack S, Tube 8****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.6947u	-1.0820u	-1.9959u
Al 308.215	992054x	991878x	999265x
As 188.980	49.7659	40.5427	50.5953
B 249.678	45.4005u	33.3616u	21.4365u
Ba 389.178	8.0908	7.5619	6.2621
Be 313.042	-0.6042u	-0.5998u	-0.6027u
Ca 370.602	843327	840818	836934
Cd 226.502	31.9708	32.4561	31.5092
Co 228.615	13.4127	13.7209	15.1786
Cr 267.716	7.8702	7.5716	8.0514
Cu 324.754	-4.2189	-3.5314	-3.8058
Fe 271.441	954596	958116	957741
K 766.491	469614x	467870x	467840x
Mg 279.078	905392x	906795x	908736x
Mn 257.610	27.1765	27.4600	27.2434
Mo 202.032	3.3209u	4.1296u	6.2233u
Na 330.237	-8456.23u	-8452.94u	-8380.88u
Ni 231.604	12.1277	12.8598	12.3223
Pb 220.353	55.6968	50.0997	48.4007
Sb 206.834	3.4313	4.5866	2.3803
Se 196.026	-27.1926u	-14.0763u	-5.2149u
Sn 189.925	-1.3855u	-5.9859u	-6.7689u
Sr 216.596	34.5071	33.1996	34.4705
Ti 334.941	20.5679	20.0413	19.5832
Tl 190.794	-33.5310u	-25.7890u	-27.7585u
V 292.401	4.2013	4.1521	4.5974
Zn 206.200	30393.8	30431.7	30496.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5909b	ppb	0.4657	29.3	-111.303
Al 308.215	994399xb	ppb	4214.76	0.4	2189051
As 188.980	46.9680b	ppb	5.5799	11.9	16.2516
B 249.678	33.3995b	ppb	11.9821	35.9	-527.461
Ba 389.178	7.3049b	ppb	0.9410	12.9	3639.05
Be 313.042	-0.6022b	ppb	0.0022	0.4	-155.121
Ca 370.602	840359b	ppb	3221	0.4	2234853
Cd 226.502	31.9787b	ppb	0.4735	1.5	3259.30
Co 228.615	14.1041b	ppb	0.9432	6.7	111.440
Cr 267.716	7.8311b	ppb	0.2423	3.1	401.975
Cu 324.754	-3.8520b	ppb	0.3461	9.0	306.160
Fe 271.441	956818b	ppb	1933.09	0.2	1563485
K 766.491	468442xb	ppb	1015.87	0.2	14871880
Mg 279.078	906974xb	ppb	1679.08	0.2	1809275
Mn 257.610	27.2933b	ppb	0.1482	0.5	14695.4
Mo 202.032	4.5579b	ppb	1.4979	32.9	6.7262
Na 330.237	-8430.02b	ppb	42.5883	0.5	-748.748
Ni 231.604	12.4366b	ppb	0.3792	3.0	47.2295
Pb 220.353	51.3991b	ppb	3.8177	7.4	109.192
Sb 206.834	3.4661b	ppb	1.1036	31.8	22.0350
Se 196.026	-15.4946b	ppb	11.0573	71.4	2.3546
Sn 189.925	-4.7135b	ppb	2.9085	61.7	-8.2561
Sr 216.596	34.0591b	ppb	0.7445	2.2	800.401
Ti 334.941	20.0641b	ppb	0.4928	2.5	9086.89
Tl 190.794	-29.0262b	ppb	4.0236	13.9	-87.7405
V 292.401	4.3169b	ppb	0.2441	5.7	134.795
Zn 206.200	30440.5b	ppb	51.7064	0.2	29152.6

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RINSE (Samp) 4/17/2013, 12:30:38 PM Rack S, Tube 1

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5776u	-0.0332u	-0.1427u
Al 308.215	56.3321	44.6376	36.0801
As 188.980	8.7485	11.3949	10.4948
B 249.678	23.9824	21.2059	20.7887
Ba 389.178	-0.1919u	-0.8677u	-1.0476u
Be 313.042	-0.1927u	-0.1946u	-0.2073u
Ca 370.602	46.05	40.02	33.33
Cd 226.502	-0.2217u	-0.1464u	-0.2109u
Co 228.615	-0.2805u	-0.2684u	-0.3477u
Cr 267.716	-0.0201u	0.1756	0.1315
Cu 324.754	0.7609	0.3804	0.1868
Fe 271.441	72.9084	62.9415	51.2638
K 766.491	22.1476	17.3083	11.4751
Mg 279.078	52.5267	41.8503	33.3057
Mn 257.610	0.7144	0.7387	0.5969
Mo 202.032	-0.6143u	-0.5016u	-0.4330u
Na 330.237	127.849	117.127	-71.5695u
Ni 231.604	0.4065	-0.6587u	-1.1915u
Pb 220.353	0.7294	1.5575	1.1951
Sb 206.834	-1.8992u	5.6883	2.8223
Se 196.026	-3.0698u	-3.1200u	-3.1121u
Sn 189.925	-1.2450u	1.1062	-1.0133u
Sr 216.596	-1.0878u	-1.2075u	-1.4020u
Ti 334.941	1.3588	1.2155	1.1272
Tl 190.794	-4.5404u	1.9383	-3.4851u
V 292.401	0.6148	0.0200	0.1673
Zn 206.200	1.6263	-0.0739u	1.1303

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2512	ppb	0.2880	114.7	6.3371
Al 308.215	45.6833	ppb	10.1664	22.3	76.3662
As 188.980	10.2127	ppb	1.3456	13.2	-3.3831
B 249.678	21.9923	ppb	1.7360	7.9	447.149
Ba 389.178	-0.7024	ppb	0.4512	64.2	6.3586
Be 313.042	-0.1982	ppb	0.0079	4.0	266.618
Ca 370.602	39.80	ppb	6.361	16.0	122.2
Cd 226.502	-0.1930	ppb	0.0407	21.1	36.8943
Co 228.615	-0.2989	ppb	0.0427	14.3	-4.7757
Cr 267.716	0.0956	ppb	0.1027	107.3	12.3060
Cu 324.754	0.4427	ppb	0.2921	66.0	233.853
Fe 271.441	62.3712	ppb	10.8336	17.4	216.251
K 766.491	16.9770	ppb	5.3439	31.5	1008.67
Mg 279.078	42.5609	ppb	9.6302	22.6	119.511
Mn 257.610	0.6833	ppb	0.0758	11.1	586.303
Mo 202.032	-0.5163	ppb	0.0915	17.7	17.8168
Na 330.237	57.8021	ppb	112.167	194.1	57.9427
Ni 231.604	-0.4813	ppb	0.8136	169.1	-5.7928
Pb 220.353	1.1607	ppb	0.4151	35.8	29.8984
Sb 206.834	2.2038	ppb	3.8314	173.9	-0.7936
Se 196.026	-3.1006	ppb	0.0270	0.9	8.9540
Sn 189.925	-0.3840	ppb	1.2958	337.4	-5.3906
Sr 216.596	-1.2324	ppb	0.1585	12.9	36.9418
Ti 334.941	1.2338	ppb	0.1169	9.5	404.105
Tl 190.794	-2.0291	ppb	3.4761	171.3	-14.3525
V 292.401	0.2674	ppb	0.3098	115.9	23.4530
Zn 206.200	0.8942	ppb	0.8743	97.8	5.1406

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Cont Calib Verif (CCV) 4/17/2013, 12:36:12 PM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	490.948	485.504	489.314
Al 308.215	4968.26	4948.65	4937.00
As 188.980	485.208	492.194	485.057
B 249.678	512.688	513.679	516.657
Ba 389.178	5157.67	5151.99	5166.04
Be 313.042	515.477	518.308	519.702
Ca 370.602	5000	4981	5003
Cd 226.502	519.448	517.491	518.828
Co 228.615	523.552	523.232	524.624
Cr 267.716	5173.39	5146.11	5150.16
Cu 324.754	5089.26	5121.90	5211.57
Fe 271.441	4970.20	4966.44	4983.24
K 766.491	10098.9	10098.1	10158.4
Mg 279.078	4975.92	4973.43	4973.94
Mn 257.610	5231.72	5207.87	5213.55
Mo 202.032	495.805	493.622	494.311
Na 330.237	6904.63	7044.63	7096.00
Ni 231.604	2614.67	2609.27	2615.43
Pb 220.353	498.440	500.523	496.066
Sb 206.834	937.457	932.042	930.806
Se 196.026	4988.95	5011.51	5002.81
Sn 189.925	5006.39	5012.90	5026.76
Sr 216.596	2530.84	2518.83	2513.72
Ti 334.941	502.191	500.376	500.780
Tl 190.794	5063.49	5066.16	5088.75
V 292.401	4984.13	4971.47	4998.53
Zn 206.200	2582.89	2576.30	2579.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.588	ppb	2.7936	0.6	36771.9	97.71769
Al 308.215	4951.31	ppb	15.7978	0.3	10866.7	99.02610
As 188.980	487.486	ppb	4.0778	0.8	287.010	97.49728
B 249.678	514.341	ppb	2.0661	0.4	6137.13	20.57365Q
Ba 389.178	5158.57	ppb	7.0667	0.1	110714	103.17133
Be 313.042	517.829	ppb	2.1526	0.4	900878	103.56581
Ca 370.602	4995	ppb	12.00	0.2	13593	99.89376
Cd 226.502	518.589	ppb	0.9997	0.2	17637.6	103.71779
Co 228.615	523.802	ppb	0.7291	0.1	5222.80	104.76046
Cr 267.716	5156.55	ppb	14.7209	0.3	159025	103.13100
Cu 324.754	5140.91	ppb	63.3290	1.2	267427	102.81821
Fe 271.441	4973.29	ppb	8.8203	0.2	8362.45	99.46585
K 766.491	10118.4	ppb	34.5635	0.3	321696	101.18444
Mg 279.078	4974.43	ppb	1.3186	0.0	9878.54	99.48864
Mn 257.610	5217.71	ppb	12.4624	0.2	1208833	104.35425
Mo 202.032	494.579	ppb	1.1159	0.2	3522.46	98.91580
Na 330.237	7015.08	ppb	99.0466	1.4	340.572	93.53445
Ni 231.604	2613.12	ppb	3.3596	0.1	6707.16	104.52489
Pb 220.353	498.343	ppb	2.2299	0.4	877.179	99.66859
Sb 206.834	933.435	ppb	3.5377	0.4	964.182	93.34350
Se 196.026	5001.09	ppb	11.3763	0.2	2326.15	100.02184
Sn 189.925	5015.35	ppb	10.4038	0.2	3641.88	100.30693
Sr 216.596	2521.13	ppb	8.7908	0.3	24173.6	100.84525
Ti 334.941	501.116	ppb	0.9529	0.2	127930	100.22322
Tl 190.794	5072.80	ppb	13.8756	0.3	4857.26	101.45599
V 292.401	4984.71	ppb	13.5402	0.3	131469	99.69422
Zn 206.200	2579.59	ppb	3.2951	0.1	3208.49	103.18350

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 12:41:56 PM Rack 1, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8838u	-0.8216u	-0.7270u
Al 308.215	-3.4362u	-1.5266u	8.4790
As 188.980	7.0550	5.7470	5.3314
B 249.678	9.5870	9.1188	8.1928
Ba 389.178	-0.7678u	-0.6279u	-1.1110u
Be 313.042	-0.4795u	-0.4430u	-0.4391u
Ca 370.602	-3.197u	-1.749u	3.571
Cd 226.502	-0.4138u	-0.2817u	-0.5521u
Co 228.615	0.2527	-0.1945u	0.3150
Cr 267.716	-0.1916u	-0.2492u	-0.2093u
Cu 324.754	-0.3169u	0.4861	-0.0249u
Fe 271.441	-18.0848u	-14.1690u	-14.8266u
K 766.491	-3.8406u	-3.9006u	-4.8603u
Mg 279.078	-1.1639u	-2.7938u	6.6366
Mn 257.610	-0.7925u	-0.5504u	-0.3568u
Mo 202.032	-0.9205u	-0.7319u	-0.5973u
Na 330.237	-78.5620u	-227.944u	130.975
Ni 231.604	1.4714	0.1851	0.2667
Pb 220.353	-0.1572u	1.8222	0.6132
Sb 206.834	6.0295	3.4805	2.3740
Se 196.026	2.1349	-2.0157u	5.5543
Sn 189.925	-2.9433u	-2.4816u	-3.1460u
Sr 216.596	-2.6575u	-2.1929u	-2.2807u
Ti 334.941	-0.2235u	-0.0812u	-0.1385u
Tl 190.794	3.3543	4.5284	-0.5248u
V 292.401	-0.1044u	-0.3049u	0.0824
Zn 206.200	-0.0531u	-1.4359u	-0.9210u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8108	ppb	0.0790	9.7	-35.7859	-0.81081
Al 308.215	1.1721	ppb	6.3996	546.0	-21.6334	1.17205
As 188.980	6.0445	ppb	0.8995	14.9	-5.9199	6.04446
B 249.678	8.9662	ppb	0.7095	7.9	296.545	8.96617
Ba 389.178	-0.8356	ppb	0.2485	29.7	3.2988	-0.83556
Be 313.042	-0.4538	ppb	0.0223	4.9	-177.927	-0.45384
Ca 370.602	-0.4584	ppb	3.564	777.5	16.98	-0.45840
Cd 226.502	-0.4158	ppb	0.1352	32.5	29.1693	-0.41585
Co 228.615	0.1244	ppb	0.2779	223.4	-0.5794	0.12442
Cr 267.716	-0.2167	ppb	0.0295	13.6	2.6590	-0.21669
Cu 324.754	0.0481	ppb	0.4064	844.6	213.314	0.04812
Fe 271.441	-15.6935	ppb	2.0969	13.4	88.7108	-15.69345
K 766.491	-4.2005	ppb	0.5722	13.6	336.353	-4.20051
Mg 279.078	0.8930	ppb	5.0405	564.5	36.4044	0.89296
Mn 257.610	-0.5666	ppb	0.2183	38.5	296.391	-0.56658
Mo 202.032	-0.7499	ppb	0.1624	21.7	16.1631	-0.74989
Na 330.237	-58.5105	ppb	180.298	308.1	52.9094	-58.51051
Ni 231.604	0.6411	ppb	0.7203	112.4	-2.9118	0.64107
Pb 220.353	0.7594	ppb	0.9977	131.4	29.2157	0.75940
Sb 206.834	3.9613	ppb	1.8746	47.3	0.9326	3.96134
Se 196.026	1.8912	ppb	3.7909	200.5	11.2641	1.89117
Sn 189.925	-2.8570	ppb	0.3405	11.9	-7.1888	-2.85696
Sr 216.596	-2.3771	ppb	0.2468	10.4	25.9294	-2.37705
Ti 334.941	-0.1477	ppb	0.0716	48.5	51.5320	-0.14772
Tl 190.794	2.4526	ppb	2.6445	107.8	-10.0402	2.45263
V 292.401	-0.1090	ppb	0.1937	177.8	13.5568	-0.10895
Zn 206.200	-0.8033	ppb	0.6988	87.0	2.9583	-0.80332

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mb 680-272935/1-a (Samp) **4/17/2013, 12:47:31 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1355u	-0.8249u	-0.6552u
Al 308.215	-4.4227u	-3.7144u	19.3871
As 188.980	4.5784	2.5437	1.8626
B 249.678	0.3689	-0.7240u	-0.2117u
Ba 389.178	-1.4187u	-1.7147u	-2.2851u
Be 313.042	-0.5384u	-0.5353u	-0.4843u
Ca 370.602	-4.333u	-0.6400u	18.70
Cd 226.502	-0.3409u	-0.4189u	-0.1826u
Co 228.615	-0.2045u	-0.9807u	-0.8979u
Cr 267.716	-1.3110u	-1.2081u	-0.7387u
Cu 324.754	-1.5155u	-0.9000u	-0.5974u
Fe 271.441	-12.9142u	-6.1313u	4.7398
K 766.491	-8.0580u	-8.2845u	-6.3321u
Mg 279.078	-1.3500u	-0.5745u	20.1011
Mn 257.610	-1.6319u	-1.6215u	-0.9297u
Mo 202.032	-0.6431u	-0.6024u	-1.1893u
Na 330.237	72.2142	-109.074u	-58.7832u
Ni 231.604	-0.3586u	-1.2233u	-0.3496u
Pb 220.353	2.3810	-0.9013u	3.6656
Sb 206.834	-0.8932u	2.8610	-3.7447u
Se 196.026	-9.4852u	-8.2157u	3.8190
Sn 189.925	-2.7402u	-6.0455u	-2.7481u
Sr 216.596	-2.3520u	-2.9908u	-2.1730u
Ti 334.941	-0.3909u	-0.3765u	-0.3187u
Tl 190.794	-1.0213u	-3.9307u	-3.3414u
V 292.401	-1.0688u	-0.8193u	-0.6243u
Zn 206.200	-1.4341u	-2.8897u	-1.4405u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8719	ppb	0.2436	27.9	-40.3748
Al 308.215	3.7500	ppb	13.5468	361.2	-15.9660
As 188.980	2.9949	ppb	1.4130	47.2	-7.7763
B 249.678	-0.1889	ppb	0.5468	289.4	190.622
Ba 389.178	-1.8062	ppb	0.4404	24.4	-17.4977
Be 313.042	-0.5193	ppb	0.0303	5.8	-291.740
Ca 370.602	4.576	ppb	12.37	270.3	29.93
Cd 226.502	-0.3141	ppb	0.1204	38.3	32.6420
Co 228.615	-0.6944	ppb	0.4263	61.4	-8.7331
Cr 267.716	-1.0859	ppb	0.3051	28.1	-24.1456
Cu 324.754	-1.0043	ppb	0.4678	46.6	158.608
Fe 271.441	-4.7686	ppb	8.9055	186.8	106.487
K 766.491	-7.5582	ppb	1.0679	14.1	229.757
Mg 279.078	6.0589	ppb	12.1671	200.8	46.7233
Mn 257.610	-1.3944	ppb	0.4024	28.9	104.746
Mo 202.032	-0.8116	ppb	0.3277	40.4	15.7259
Na 330.237	-31.8810	ppb	93.5903	293.6	54.0766
Ni 231.604	-0.6438	ppb	0.5019	77.9	-6.2117
Pb 220.353	1.7151	ppb	2.3552	137.3	30.8448
Sb 206.834	-0.5923	ppb	3.3131	559.4	-3.5550
Se 196.026	-4.6273	ppb	7.3422	158.7	8.2470
Sn 189.925	-3.8446	ppb	1.9060	49.6	-7.9070
Sr 216.596	-2.5053	ppb	0.4299	17.2	24.7288
Ti 334.941	-0.3620	ppb	0.0382	10.6	-3.1125
Tl 190.794	-2.7645	ppb	1.5381	55.6	-15.0535
V 292.401	-0.8375	ppb	0.2228	26.6	-5.6210
Zn 206.200	-1.9215	ppb	0.8386	43.6	1.5224

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ics 680-272935/2-a (Samp) 4/17/2013, 12:53:05 PM Rack 1, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.3704	9.3803	9.3340
Al 308.215	5185.37	5210.14	5220.27
As 188.980	110.436	111.779	106.490
B 249.678	186.280	187.228	189.652
Ba 389.178	103.270	104.545	104.333
Be 313.042	52.5056	52.5733	52.7775
Ca 370.602	4985	5003	5010
Cd 226.502	53.1712	53.5072	53.7670
Co 228.615	52.3479	53.2660	53.1806
Cr 267.716	107.083	107.260	107.876
Cu 324.754	107.514	105.518	107.723
Fe 271.441	5008.86	5005.70	5036.23
K 766.491	4915.19	4922.91	4943.48
Mg 279.078	4975.31	4968.90	5003.26
Mn 257.610	544.648	545.718	547.096
Mo 202.032	100.538	100.859	101.706
Na 330.237	5236.38	5086.86	5218.70
Ni 231.604	104.665	108.007	104.782
Pb 220.353	53.3606	52.7060	51.4975
Sb 206.834	51.0642	43.4650	48.2151
Se 196.026	105.595	94.4416	101.885
Sn 189.925	207.671	207.760	216.578
Sr 216.596	102.200	101.983	102.420
Ti 334.941	100.774	100.943	101.310
Tl 190.794	40.6071	44.0481	40.4800
V 292.401	102.543	103.110	102.847
Zn 206.200	109.542	110.234	111.156

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.0282	ppb	0.5701	6.3	703.827
Al 308.215	5205.26	ppb	17.9572	0.3	11439.1
As 188.980	109.569	ppb	2.7492	2.5	57.0628
B 249.678	187.720	ppb	1.7393	0.9	2358.65
Ba 389.178	104.049	ppb	0.6833	0.7	2272.64
Be 313.042	52.6188	ppb	0.1415	0.3	92098.4
Ca 370.602	4999	ppb	12.76	0.3	13390
Cd 226.502	53.4818	ppb	0.2987	0.6	1867.76
Co 228.615	52.9315	ppb	0.5072	1.0	524.676
Cr 267.716	107.407	ppb	0.4163	0.4	3323.39
Cu 324.754	106.918	ppb	1.2174	1.1	5772.38
Fe 271.441	5016.93	ppb	16.7939	0.3	8320.52
K 766.491	4927.20	ppb	14.6239	0.3	156891
Mg 279.078	4982.49	ppb	18.2693	0.4	9965.48
Mn 257.610	545.821	ppb	1.2275	0.2	126876
Mo 202.032	101.034	ppb	0.6036	0.6	738.170
Na 330.237	5180.64	ppb	81.7009	1.6	278.748
Ni 231.604	105.818	ppb	1.8964	1.8	267.331
Pb 220.353	52.5214	ppb	0.9452	1.8	117.304
Sb 206.834	47.5815	ppb	3.8390	8.1	44.1155
Se 196.026	100.640	ppb	5.6798	5.6	57.0882
Sn 189.925	210.670	ppb	5.1167	2.4	148.083
Sr 216.596	102.201	ppb	0.2185	0.2	1026.28
Ti 334.941	101.009	ppb	0.2741	0.3	25874.7
Tl 190.794	41.7117	ppb	2.0243	4.9	26.7021
V 292.401	102.833	ppb	0.2838	0.3	2712.41
Zn 206.200	110.311	ppb	0.8097	0.7	145.588

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-272935/3-a (Samp) 4/17/2013, 12:58:40 PM Rack 1, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	204.107	205.077	205.735
Al 308.215	2263.17	2271.61	2267.32
As 188.980	214.076	227.633	217.605
B 249.678	387.974	389.554	392.067
Ba 389.178	205.578	206.537	206.854
Be 313.042	212.552	213.238	214.155
Ca 370.602	20334	20413	20459
Cd 226.502	211.782	211.101	212.692
Co 228.615	212.596	212.409	213.527
Cr 267.716	213.419	213.609	214.405
Cu 324.754	215.476	216.427	219.841
Fe 271.441	20952.2	21039.6	21124.9
K 766.491	20061.6	20168.2	20188.4
Mg 279.078	20189.6	20219.5	20322.7
Mn 257.610	2190.34	2197.65	2205.71
Mo 202.032	205.401	206.083	205.550
Na 330.237	18033.2	18442.6	18001.9
Ni 231.604	210.706	207.824	209.398
Pb 220.353	201.974	204.146	201.828
Sb 206.834	200.089	197.664	200.118
Se 196.026	198.927	202.840	201.870
Sn 189.925	214.275	212.325	211.006
Sr 216.596	216.810	217.958	217.867
Ti 334.941	204.943	205.602	206.429
Tl 190.794	42.6387	43.3573	42.7981
V 292.401	207.860	208.509	209.675
Zn 206.200	202.102	202.839	206.617

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	204.973	ppb	0.8189	0.4	15467.3
Al 308.215	2267.37	ppb	4.2226	0.2	4976.21
As 188.980	219.771	ppb	7.0338	3.2	124.086
B 249.678	389.865	ppb	2.0641	0.5	4678.69
Ba 389.178	206.323	ppb	0.6644	0.3	4525.31
Be 313.042	213.315	ppb	0.8042	0.4	371532
Ca 370.602	20402	ppb	63.53	0.3	54519
Cd 226.502	211.859	ppb	0.7986	0.4	7273.18
Co 228.615	212.844	ppb	0.5987	0.3	2116.37
Cr 267.716	213.811	ppb	0.5230	0.2	6610.67
Cu 324.754	217.248	ppb	2.2952	1.1	11514.8
Fe 271.441	21038.9	ppb	86.3741	0.4	34523.9
K 766.491	20139.4	ppb	68.1392	0.3	639827
Mg 279.078	20243.9	ppb	69.8334	0.3	40389.2
Mn 257.610	2197.90	ppb	7.6893	0.3	509612
Mo 202.032	205.678	ppb	0.3585	0.2	1479.93
Na 330.237	18159.2	ppb	245.901	1.4	839.398
Ni 231.604	209.310	ppb	1.4430	0.7	533.466
Pb 220.353	202.649	ppb	1.2980	0.6	373.278
Sb 206.834	199.290	ppb	1.4083	0.7	194.683
Se 196.026	201.212	ppb	2.0380	1.0	104.002
Sn 189.925	212.535	ppb	1.6446	0.8	149.450
Sr 216.596	217.545	ppb	0.6383	0.3	2134.75
Ti 334.941	205.658	ppb	0.7443	0.4	52630.8
Tl 190.794	42.9314	ppb	0.3774	0.9	24.8429
V 292.401	208.681	ppb	0.9193	0.4	5487.69
Zn 206.200	203.852	ppb	2.4221	1.2	265.620

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43136-b-1-a (Samp) 4/17/2013, 1:04:15 PM Rack 1, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6529u	-1.6077u	-1.2925u
Al 308.215	230132	233032	232732
As 188.980	53.7771	59.4860	62.3351
B 249.678	-8.2714u	-9.0194u	-9.9508u
Ba 389.178	262.168	265.730	265.414
Be 313.042	1.6081	1.6481	1.6898
Ca 370.602	3832u	3813u	3808u
Cd 226.502	2.3878	2.3298	2.7387
Co 228.615	3.7800	4.1475	3.9736
Cr 267.716	275.923	279.810	279.677
Cu 324.754	12.3728	13.2098	12.0385
Fe 271.441	202532	204649	204745
K 766.491	537.895	544.526	551.672
Mg 279.078	1133.47	1143.58	1150.98
Mn 257.610	152.485	154.253	154.595
Mo 202.032	14.0111	14.1661	14.8715
Na 330.237	463.621u	146.263u	314.455u
Ni 231.604	28.4161	29.0262	27.6310
Pb 220.353	77.6208	81.2730	85.1115
Sb 206.834	5.5652	-1.4214	1.5034
Se 196.026	-14.2935u	-1.1097u	-12.8343u
Sn 189.925	19.3051	17.2472	22.3332
Sr 216.596	162.513	163.875	163.147
Ti 334.941	1074.00	1084.94	1084.53
Tl 190.794	-2.5736u	-6.6389u	-5.2368u
V 292.401	560.835	566.551	566.595
Zn 206.200	69.4712	72.4488	70.4334

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5177	ppb	0.1963	12.9	-92.0348
Al 308.215	231965	ppb	1594.70	0.7	510622
As 188.980	58.5327	ppb	4.3579	7.4	23.9974
B 249.678	-9.0805	ppb	0.8413	9.3	-147.512
Ba 389.178	264.437	ppb	1.9713	0.7	5965.73
Be 313.042	1.6486	ppb	0.0408	2.5	3473.86
Ca 370.602	3818	ppb	12.80	0.3	-3625
Cd 226.502	2.4855	ppb	0.2213	8.9	578.189
Co 228.615	3.9670	ppb	0.1839	4.6	56.2360
Cr 267.716	278.470	ppb	2.2067	0.8	8628.21
Cu 324.754	12.5404	ppb	0.6033	4.8	920.036
Fe 271.441	203975	ppb	1251.17	0.6	333400
K 766.491	544.698	ppb	6.8903	1.3	17762.0
Mg 279.078	1142.67	ppb	8.7883	0.8	2285.62
Mn 257.610	153.778	ppb	1.1326	0.7	36606.9
Mo 202.032	14.3496	ppb	0.4586	3.2	112.286
Na 330.237	308.113	ppb	158.774	51.5	9.5189
Ni 231.604	28.3578	ppb	0.6994	2.5	72.4934
Pb 220.353	81.3351	ppb	3.7457	4.6	164.477
Sb 206.834	1.8824	ppb	3.5087	186.4	5.9931
Se 196.026	-9.4125	ppb	7.2274	76.8	5.8825
Sn 189.925	19.6285	ppb	2.5584	13.0	9.1584
Sr 216.596	163.178	ppb	0.6813	0.4	1687.30
Ti 334.941	1081.16	ppb	6.2039	0.6	275897
Tl 190.794	-4.8164	ppb	2.0650	42.9	-27.0401
V 292.401	564.660	ppb	3.3132	0.6	14947.3
Zn 206.200	70.7845	ppb	1.5195	2.1	94.3177

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43136-b-2-a (Samp) 4/17/2013, 1:09:50 PM Rack 1, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6729u	-1.4833u	-1.2719u
Al 308.215	88341.2	87831.8	88187.1
As 188.980	77.3277	65.8889	73.0288
B 249.678	-24.3287u	-26.0369u	-25.0927u
Ba 389.178	242.487	238.358	239.532
Be 313.042	1.7013	1.6804	1.6908
Ca 370.602	-896.0u	-827.5u	-880.8u
Cd 226.502	3.4908	3.1040	2.9817
Co 228.615	-0.7282	-0.8867	-0.4246
Cr 267.716	449.411	446.987	448.379
Cu 324.754	4.6496	3.6295	3.7715
Fe 271.441	345267	344095	344958
K 766.491	281.396	278.454	279.260
Mg 279.078	297.922	295.259	298.960
Mn 257.610	48.4199	47.9324	48.0742
Mo 202.032	10.8669	11.1902	11.1647
Na 330.237	3.2417u	399.528u	157.794u
Ni 231.604	6.8945	7.4646	9.9791
Pb 220.353	51.6931	51.8474	47.8626
Sb 206.834	-5.3546	1.7561	-0.3013
Se 196.026	-2.1386u	-0.6672u	-5.8118u
Sn 189.925	21.3707	21.0897	22.2196
Sr 216.596	134.864	134.163	134.598
Ti 334.941	1365.71	1353.00	1357.19
Tl 190.794	-2.6174u	-5.4994u	-7.5951u
V 292.401	728.551	719.707	720.562
Zn 206.200	18.5638	17.3389	18.6555

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4760	ppb	0.2006	13.6	-88.3263
Al 308.215	88120.0	ppb	261.251	0.3	193959
As 188.980	72.0818	ppb	5.7779	8.0	30.7851
B 249.678	-25.1527	ppb	0.8557	3.4	-496.028
Ba 389.178	240.126	ppb	2.1276	0.9	5627.62
Be 313.042	1.6908	ppb	0.0104	0.6	3526.45
Ca 370.602	-868.1	ppb	35.96	4.1	-26287
Cd 226.502	3.1922	ppb	0.2657	8.3	913.536
Co 228.615	-0.6799	ppb	0.2348	34.5	12.6563
Cr 267.716	448.259	ppb	1.2163	0.3	13884.3
Cu 324.754	4.0169	ppb	0.5526	13.8	518.572
Fe 271.441	344774	ppb	607.399	0.2	563455
K 766.491	279.703	ppb	1.5201	0.5	9349.32
Mg 279.078	297.381	ppb	1.9088	0.6	662.734
Mn 257.610	48.1422	ppb	0.2508	0.5	12524.7
Mo 202.032	11.0739	ppb	0.1797	1.6	81.8292
Na 330.237	186.855	ppb	199.735	106.9	-33.0862
Ni 231.604	8.1127	ppb	1.6412	20.2	23.3061
Pb 220.353	50.4677	ppb	2.2574	4.5	112.610
Sb 206.834	-1.3000	ppb	3.6590	281.5	7.7356
Se 196.026	-2.8725	ppb	2.6496	92.2	8.7564
Sn 189.925	21.5600	ppb	0.5883	2.7	10.5578
Sr 216.596	134.541	ppb	0.3539	0.3	1463.97
Ti 334.941	1358.63	ppb	6.4762	0.5	346678
Tl 190.794	-5.2373	ppb	2.4991	47.7	-34.1758
V 292.401	722.940	ppb	4.8783	0.7	19129.5
Zn 206.200	18.1861	ppb	0.7351	4.0	26.2364

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640-43136-b-3-a (Samp) 4/17/2013, 1:15:26 PM Rack 1, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.1245u	-3.7162u	-3.5144u
Al 308.215	204513	204710	204899
As 188.980	43.2920	46.6916	44.7354
B 249.678	-14.9803u	-13.7372u	-15.5151u
Ba 389.178	316.216	316.491	316.451
Be 313.042	1.9577	1.9864	1.9737
Ca 370.602	3011u	3028u	3022u
Cd 226.502	1.4970	1.6569	1.9563
Co 228.615	6.2429	5.6905	5.4092
Cr 267.716	191.927	192.077	192.290
Cu 324.754	14.2974	15.0835	14.4910
Fe 271.441	156069	156495	156075
K 766.491	852.568	855.244	849.934
Mg 279.078	1656.67	1660.42	1662.60
Mn 257.610	198.971	199.500	198.917
Mo 202.032	12.6266	11.9721	11.2775
Na 330.237	321.261u	-7.1769u	-69.9327u
Ni 231.604	37.5185	37.9685	40.6316
Pb 220.353	85.0982	84.9134	85.1816
Sb 206.834	3.3086	1.4622	-2.1684
Se 196.026	-1.4903u	-3.6873u	-11.2675u
Sn 189.925	11.9097	11.4362	11.7096
Sr 216.596	35.2452	34.7164	35.6111
Ti 334.941	951.686	951.885	950.613
Tl 190.794	-4.2981u	2.7866u	0.4997u
V 292.401	425.550	426.522	424.903
Zn 206.200	44.3846	43.7198	41.2157

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4517	ppb	0.3008	8.7	-232.566
Al 308.215	204707	ppb	193.125	0.1	450618
As 188.980	44.9063	ppb	1.7063	3.8	16.1796
B 249.678	-14.7442	ppb	0.9121	6.2	-157.981
Ba 389.178	316.386	ppb	0.1483	0.0	7018.43
Be 313.042	1.9726	ppb	0.0144	0.7	4040.51
Ca 370.602	3020	ppb	8.897	0.3	-2489
Cd 226.502	1.7034	ppb	0.2332	13.7	446.244
Co 228.615	5.7809	ppb	0.4242	7.3	72.6019
Cr 267.716	192.098	ppb	0.1825	0.1	5957.83
Cu 324.754	14.6240	ppb	0.4096	2.8	1015.04
Fe 271.441	156213	ppb	244.330	0.2	255359
K 766.491	852.582	ppb	2.6548	0.3	27536.3
Mg 279.078	1659.89	ppb	3.0005	0.2	3316.01
Mn 257.610	199.129	ppb	0.3223	0.2	46981.8
Mo 202.032	11.9587	ppb	0.6747	5.6	97.9137
Na 330.237	81.3837	ppb	210.096	258.2	12.7910
Ni 231.604	38.7062	ppb	1.6826	4.3	98.0946
Pb 220.353	85.0644	ppb	0.1372	0.2	171.096
Sb 206.834	0.8674	ppb	2.7865	321.2	3.1151
Se 196.026	-5.4817	ppb	5.1296	93.6	7.7556
Sn 189.925	11.6852	ppb	0.2377	2.0	3.3831
Sr 216.596	35.1909	ppb	0.4499	1.3	442.376
Ti 334.941	951.395	ppb	0.6841	0.1	242794
Tl 190.794	-0.3373	ppb	3.6157	1072.1	-20.5094
V 292.401	425.659	ppb	0.8148	0.2	11274.6
Zn 206.200	43.1067	ppb	1.6711	3.9	518.9426

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640-43136-b-4-a (Samp) 4/17/2013, 1:21:02 PM Rack 1, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.7204u	-1.2626u	-2.2446u
Al 308.215	140814	140304	138743
As 188.980	29.8883	34.0687	32.5044
B 249.678	-13.0201u	-12.5649u	-13.3177u
Ba 389.178	93.5887	93.8820	93.3777
Be 313.042	0.5913	0.5936	0.6000
Ca 370.602	1912u	1905u	1926u
Cd 226.502	1.1224	1.0005	1.3970
Co 228.615	2.2577	2.6275	2.5868
Cr 267.716	151.747	151.452	150.305
Cu 324.754	10.2130	10.3066	10.5419
Fe 271.441	119882	119460	119313
K 766.491	595.083	594.220	593.852
Mg 279.078	991.252	990.439	985.562
Mn 257.610	109.851	109.729	109.810
Mo 202.032	10.2644	8.2724	8.8791
Na 330.237	40.7634u	392.355u	219.811u
Ni 231.604	22.3226	21.5028	20.9347
Pb 220.353	61.4988	58.7806	58.5165
Sb 206.834	1.8203	4.1622	0.2238
Se 196.026	-1.0926u	-12.4486u	-7.5839u
Sn 189.925	15.8024	10.8331	7.2234
Sr 216.596	29.3161	29.0496	29.0016
Ti 334.941	796.766	794.636	791.895
Tl 190.794	-4.7338u	-7.7571u	-3.6139u
V 292.401	333.762	333.472	333.347
Zn 206.200	24.2043	21.9395	20.8588

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7426	ppb	0.4914	28.2	-104.620
Al 308.215	139954	ppb	1079.18	0.8	308068
As 188.980	32.1538	ppb	2.1122	6.6	8.7805
B 249.678	-12.9675	ppb	0.3792	2.9	-94.9777
Ba 389.178	93.6161	ppb	0.2533	0.3	2189.43
Be 313.042	0.5950	ppb	0.0045	0.8	1643.27
Ca 370.602	1914	ppb	10.77	0.6	-2970
Cd 226.502	1.1733	ppb	0.2031	17.3	346.958
Co 228.615	2.4907	ppb	0.2028	8.1	37.3185
Cr 267.716	151.168	ppb	0.7616	0.5	4689.67
Cu 324.754	10.3538	ppb	0.1695	1.6	782.620
Fe 271.441	119552	ppb	295.262	0.2	195456
K 766.491	594.385	ppb	0.6319	0.1	19339.4
Mg 279.078	989.084	ppb	3.0776	0.3	1990.03
Mn 257.610	109.797	ppb	0.0622	0.1	26188.6
Mo 202.032	9.1387	ppb	1.0210	11.2	79.8731
Na 330.237	217.643	ppb	175.806	80.8	29.2589
Ni 231.604	21.5867	ppb	0.6977	3.2	53.3559
Pb 220.353	59.5986	ppb	1.6509	2.8	128.183
Sb 206.834	2.0688	ppb	1.9809	95.8	3.0901
Se 196.026	-7.0417	ppb	5.6974	80.9	7.0465
Sn 189.925	11.2863	ppb	4.3074	38.2	3.0935
Sr 216.596	29.1224	ppb	0.1694	0.6	371.031
Ti 334.941	794.432	ppb	2.4420	0.3	202748
Tl 190.794	-5.3683	ppb	2.1432	39.9	-23.4471
V 292.401	333.527	ppb	0.2129	0.1	8838.62
Zn 206.200	22.3342	ppb	1.7073	7.6	22.3332

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640-43136-b-5-a (Samp) 4/17/2013, 1:26:48 PM Rack 1, Tube 10

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9425u	-1.1141u	-1.5330u
Al 308.215	268762	268817	267042
As 188.980	103.003	94.3965	102.851
B 249.678	-24.6217u	-24.7454u	-24.4238u
Ba 389.178	158.325	157.796	159.529
Be 313.042	1.5734	1.5825	1.5711
Ca 370.602	2601u	2626u	2684u
Cd 226.502	4.1652	4.4297	4.3230
Co 228.615	3.8343	3.8076	3.9945
Cr 267.716	409.585	409.638	406.116
Cu 324.754	11.3042	11.6270	10.3197
Fe 271.441	344668	352402	350960
K 766.491	570.190	569.870	569.519
Mg 279.078	1392.07	1398.20	1388.34
Mn 257.610	138.986	138.990	138.982
Mo 202.032	27.3033	28.6406	27.2708
Na 330.237	46.9673u	76.7986u	352.319u
Ni 231.604	29.7891	28.8379	28.2412
Pb 220.353	118.683	118.885	114.320
Sb 206.834	6.1438	7.4495	5.8429
Se 196.026	4.0612	-5.0960u	-0.5470u
Sn 189.925	23.9869	21.1386	27.0714
Sr 216.596	97.1501	96.8324	95.7592
Ti 334.941	1402.65	1404.36	1402.26
Tl 190.794	-3.8300u	-7.5662u	-6.2495u
V 292.401	981.736	981.980	981.596
Zn 206.200	51.2309	49.6499	48.9164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1965	ppb	0.3038	25.4	-62.7300
Al 308.215	268207	ppb	1008.99	0.4	590402
As 188.980	100.084	ppb	4.9258	4.9	47.8095
B 249.678	-24.5970	ppb	0.1623	0.7	-494.489
Ba 389.178	158.550	ppb	0.8883	0.6	3886.42
Be 313.042	1.5757	ppb	0.0060	0.4	3330.88
Ca 370.602	2637	ppb	42.58	1.6	-16972
Cd 226.502	4.3060	ppb	0.1331	3.1	960.682
Co 228.615	3.8788	ppb	0.1011	2.6	58.1559
Cr 267.716	408.446	ppb	2.0182	0.5	12656.8
Cu 324.754	11.0836	ppb	0.6810	6.1	885.026
Fe 271.441	349343	ppb	4112.87	1.2	570924
K 766.491	569.860	ppb	0.3359	0.1	18560.8
Mg 279.078	1392.87	ppb	4.9781	0.4	2800.92
Mn 257.610	138.986	ppb	0.0041	0.0	33580.9
Mo 202.032	27.7382	ppb	0.7817	2.8	199.422
Na 330.237	158.695	ppb	168.345	106.1	-35.8374
Ni 231.604	28.9561	ppb	0.7807	2.7	76.9868
Pb 220.353	117.296	ppb	2.5795	2.2	225.352
Sb 206.834	6.4787	ppb	0.8541	13.2	14.8354
Se 196.026	-0.5273	ppb	4.5786	868.4	9.8590
Sn 189.925	24.0656	ppb	2.9672	12.3	12.3808
Sr 216.596	96.5806	ppb	0.7288	0.8	1100.89
Ti 334.941	1403.09	ppb	1.1145	0.1	358031
Tl 190.794	-5.8819	ppb	1.8951	32.2	-35.0126
V 292.401	981.770	ppb	0.1946	0.0	25974.4
Zn 206.200	49.9324	ppb	1.1828	2.4	67.1766

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640-43136-b-6-a (Samp) **4/17/2013, 1:32:25 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1216u	-1.6286u	-1.1996u
Al 308.215	217590	217493	218740
As 188.980	87.5111	91.2616	83.3999
B 249.678	-27.5242u	-27.2515u	-28.6481u
Ba 389.178	977.868	977.845	980.069
Be 313.042	4.0327	4.0383	4.0705
Ca 370.602	2232u	2235u	2180u
Cd 226.502	3.9554	4.2506	4.2176
Co 228.615	2.4320	1.5974	1.1137
Cr 267.716	442.878	443.887	446.366
Cu 324.754	31.8383	32.4681	33.0406
Fe 271.441	333922	334942	336368
K 766.491	854.136	857.775	860.421
Mg 279.078	2046.98	2048.57	2057.42
Mn 257.610	156.862	157.305	157.456
Mo 202.032	16.7165	17.2283	17.0071
Na 330.237	398.068u	511.575u	97.8584u
Ni 231.604	27.3561	26.2344	30.0118
Pb 220.353	81.5653	78.8910	81.5540
Sb 206.834	4.6469	-4.4619	-3.1683
Se 196.026	1.9138	-2.8958u	-9.9363u
Sn 189.925	26.4396	23.8925	26.6418
Sr 216.596	802.444	801.446	807.198
Ti 334.941	1694.37	1695.89	1702.84
Tl 190.794	-4.9799u	-0.5952u	-5.5460u
V 292.401	817.117	819.661	821.990
Zn 206.200	71.5355	72.1834	71.3571

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3166	ppb	0.2730	20.7	-104.536
Al 308.215	217941	ppb	693.478	0.3	479747
As 188.980	87.3909	ppb	3.9322	4.5	40.2231
B 249.678	-27.8080	ppb	0.7403	2.7	-515.456
Ba 389.178	978.594	ppb	1.2774	0.1	21460.9
Be 313.042	4.0472	ppb	0.0204	0.5	7631.41
Ca 370.602	2216	ppb	30.90	1.4	-17098
Cd 226.502	4.1412	ppb	0.1617	3.9	924.115
Co 228.615	1.7143	ppb	0.6669	38.9	44.0552
Cr 267.716	444.377	ppb	1.7949	0.4	13763.9
Cu 324.754	32.4490	ppb	0.6014	1.9	1992.79
Fe 271.441	335077	ppb	1228.65	0.4	547613
K 766.491	857.444	ppb	3.1553	0.4	27690.6
Mg 279.078	2050.99	ppb	5.6252	0.3	4123.96
Mn 257.610	157.208	ppb	0.3085	0.2	37766.4
Mo 202.032	16.9840	ppb	0.2567	1.5	124.078
Na 330.237	335.834	ppb	213.764	63.7	-26.6325
Ni 231.604	27.8674	ppb	1.9399	7.0	73.8897
Pb 220.353	80.6701	ppb	1.5408	1.9	163.098
Sb 206.834	-0.9944	ppb	4.9281	495.6	7.6920
Se 196.026	-3.6394	ppb	5.9600	163.8	8.4355
Sn 189.925	25.6580	ppb	1.5323	6.0	13.5389
Sr 216.596	803.696	ppb	3.0737	0.4	7877.43
Ti 334.941	1697.70	ppb	4.5119	0.3	433176
Tl 190.794	-3.7070	ppb	2.7098	73.1	-32.3303
V 292.401	819.589	ppb	2.4376	0.3	21689.3
Zn 206.200	71.6920	ppb	0.4348	0.6	95.0651

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89242-a-1-b (Samp) 4/17/2013, 1:38:02 PM Rack 1, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5944u	-1.2123u	-1.7446u
Al 308.215	14391.5	14477.7	14509.2
As 188.980	546.200	533.916	543.020
B 249.678	-0.2040u	0.0846u	0.9520u
Ba 389.178	346.113	347.223	346.822
Be 313.042	0.5368	0.5412	0.5431
Ca 370.602	52738	52798	52801
Cd 226.502	1.1437	1.5266	1.3240
Co 228.615	3.4766	3.3537	3.2131
Cr 267.716	25.1496	25.4457	25.4749
Cu 324.754	41.3575	41.7224	41.1754
Fe 271.441	18639.7	18691.6	18847.6
K 766.491	1944.01	1952.67	1977.86
Mg 279.078	4097.33	4097.49	4088.64
Mn 257.610	570.159	570.240	570.276
Mo 202.032	0.0195u	0.2850	0.1623
Na 330.237	224.281u	394.918	352.766
Ni 231.604	8.5548	8.1513	7.6261
Pb 220.353	336.476	335.699	335.640
Sb 206.834	5.5613	9.3416	3.2581
Se 196.026	-6.5077u	3.1959	2.5889
Sn 189.925	19.6227	13.4454	15.8578
Sr 216.596	97.8167	97.4525	98.0119
Ti 334.941	775.595	778.270	778.660
Tl 190.794	-2.5108u	0.9754u	-1.4789u
V 292.401	46.5692	45.9127	46.5603
Zn 206.200	481.955	490.777	483.840

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5171	ppb	0.2744	18.1	-90.7218
Al 308.215	14459.5	ppb	60.8929	0.4	31806.6
As 188.980	541.045	ppb	6.3753	1.2	320.004
B 249.678	0.2775	ppb	0.6017	216.8	174.439
Ba 389.178	346.719	ppb	0.5618	0.2	7493.65
Be 313.042	0.5404	ppb	0.0032	0.6	1566.52
Ca 370.602	52779	ppb	35.34	0.1	143426
Cd 226.502	1.3314	ppb	0.1916	14.4	129.826
Co 228.615	3.3478	ppb	0.1319	3.9	48.3293
Cr 267.716	25.3568	ppb	0.1800	0.7	796.531
Cu 324.754	41.4184	ppb	0.2786	0.7	2369.27
Fe 271.441	18726.3	ppb	108.237	0.6	30712.9
K 766.491	1958.18	ppb	17.5858	0.9	62635.3
Mg 279.078	4094.49	ppb	5.0688	0.1	8193.55
Mn 257.610	570.225	ppb	0.0598	0.0	132561
Mo 202.032	0.1556	ppb	0.1329	85.4	21.5849
Na 330.237	323.988	ppb	88.8840	27.4	56.6755
Ni 231.604	8.1107	ppb	0.4657	5.7	16.6586
Pb 220.353	335.938	ppb	0.4664	0.1	600.025
Sb 206.834	6.0537	ppb	3.0715	50.7	3.6584
Se 196.026	-0.2410	ppb	5.4356	2255.6	10.3923
Sn 189.925	16.3086	ppb	3.1132	19.1	6.7669
Sr 216.596	97.7604	ppb	0.2839	0.3	997.761
Ti 334.941	777.508	ppb	1.6684	0.2	198429
Tl 190.794	-1.0048	ppb	1.7908	178.2	-15.0663
V 292.401	46.3474	ppb	0.3765	0.8	1252.37
Zn 206.200	485.524	ppb	4.6458	1.0	628.344

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/17/2013, 1:43:37 PM Rack 1, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	493.610	489.708	488.265
Al 308.215	5012.63	5015.97	5031.73
As 188.980	482.495	484.805	483.861
B 249.678	499.077	500.526	501.584
Ba 389.178	5157.29	5145.19	5122.14
Be 313.042	520.899	518.262	515.618
Ca 370.602	5036	5028	5013
Cd 226.502	521.274	520.127	518.512
Co 228.615	523.853	522.684	520.346
Cr 267.716	5209.15	5196.65	5176.15
Cu 324.754	5229.26	5262.25	5189.08
Fe 271.441	5041.63	5042.33	5051.05
K 766.491	10014.6	10009.5	9957.87
Mg 279.078	5007.16	4996.12	4974.18
Mn 257.610	5246.72	5231.84	5205.97
Mo 202.032	498.082	496.221	493.381
Na 330.237	7261.55	7143.38	7187.58
Ni 231.604	2632.89	2615.19	2616.96
Pb 220.353	501.803	500.499	501.789
Sb 206.834	936.480	933.026	928.946
Se 196.026	5029.40	5000.54	4995.77
Sn 189.925	5050.70	5029.51	5037.30
Sr 216.596	2548.24	2540.98	2531.77
Ti 334.941	500.795	499.880	498.548
Tl 190.794	5059.13	5059.40	5043.87
V 292.401	4990.44	4977.87	4955.85
Zn 206.200	2611.38	2600.63	2597.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.528	ppb	2.7652	0.6	36918.2	98.10554
Al 308.215	5020.11	ppb	10.2004	0.2	11018.3	100.40225
As 188.980	483.721	ppb	1.1616	0.2	284.717	96.74411
B 249.678	500.396	ppb	1.2583	0.3	5975.72	20.01583Q
Ba 389.178	5141.54	ppb	17.8614	0.3	110349	102.83084
Be 313.042	518.260	ppb	2.6406	0.5	901628	103.65200
Ca 370.602	5026	ppb	11.78	0.2	13674	100.52058
Cd 226.502	519.971	ppb	1.3875	0.3	17684.6	103.99422
Co 228.615	522.294	ppb	1.7854	0.3	5207.76	104.45885
Cr 267.716	5193.98	ppb	16.6599	0.3	160179	103.87968
Cu 324.754	5226.87	ppb	36.6432	0.7	271896	104.53735
Fe 271.441	5045.00	ppb	5.2490	0.1	8479.79	100.90009
K 766.491	9994.00	ppb	31.3967	0.3	317745	99.94005
Mg 279.078	4992.48	ppb	16.7872	0.3	9914.38	99.84970
Mn 257.610	5228.18	ppb	20.6175	0.4	1211256	104.56354
Mo 202.032	495.895	ppb	2.3675	0.5	3531.81	99.17895
Na 330.237	7197.50	ppb	59.7043	0.8	348.380	95.96673
Ni 231.604	2621.68	ppb	9.7510	0.4	6729.13	104.86709
Pb 220.353	501.364	ppb	0.7485	0.1	882.330	100.27274
Sb 206.834	932.817	ppb	3.7714	0.4	963.746	93.28172
Se 196.026	5008.57	ppb	18.1990	0.4	2329.62	100.17136
Sn 189.925	5039.17	ppb	10.7171	0.2	3659.20	100.78337
Sr 216.596	2540.33	ppb	8.2542	0.3	24357.6	101.61328
Ti 334.941	499.741	ppb	1.1299	0.2	127580	99.94827
Tl 190.794	5054.14	ppb	8.8881	0.2	4839.30	101.08270
V 292.401	4974.72	ppb	17.5084	0.4	131204	99.49448
Zn 206.200	2603.08	ppb	7.3894	0.3	3238.66	104.12315

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 1:49:10 PM Rack 1, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9997u	-0.6771u	-0.4403u
Al 308.215	3.8235	2.2325	12.9891
As 188.980	-3.2289u	-4.3206u	3.2751
B 249.678	0.2926	0.1310	-1.2448u
Ba 389.178	-0.9102u	0.2122	-0.4877u
Be 313.042	-0.4690u	-0.4365u	-0.4038u
Ca 370.602	-5.250u	-2.900u	0.4747
Cd 226.502	-0.3887u	-0.2825u	-0.4280u
Co 228.615	-0.2469u	-0.2184u	-0.6284u
Cr 267.716	-0.6298u	-0.1993u	-0.0293u
Cu 324.754	-0.0936u	0.5782	0.1754
Fe 271.441	-7.7689u	-5.2254u	4.6925
K 766.491	-5.5396u	-3.8781u	-4.4655u
Mg 279.078	-5.0875u	0.7766	-1.3657u
Mn 257.610	-0.7054u	-0.3249u	-0.0728u
Mo 202.032	-0.2008u	-0.3856u	-0.8595u
Na 330.237	-28.4962u	-261.439u	-137.302u
Ni 231.604	0.0032	0.8476	1.4771
Pb 220.353	3.4295	1.4958	-2.3581u
Sb 206.834	2.6881	0.8286	-0.1032u
Se 196.026	-8.8777u	0.9497	-5.7970u
Sn 189.925	-1.5909u	-2.4852u	-2.3481u
Sr 216.596	-2.3981u	-2.4038u	-2.2815u
Ti 334.941	-0.3049u	-0.2433u	-0.2840u
Tl 190.794	2.6520	-1.1724u	4.0202
V 292.401	-0.0898u	0.5321	0.2666
Zn 206.200	-2.7659u	-1.1794u	-0.3935u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7057	ppb	0.2808	39.8	-27.8386	-0.70567
Al 308.215	6.3483	ppb	5.8058	91.5	-10.2310	6.34834
As 188.980	-1.4248	ppb	4.1067	288.2	-10.4669	-1.42480
B 249.678	-0.2737	ppb	0.8449	308.7	189.640	-0.27370
Ba 389.178	-0.3953	ppb	0.5669	143.4	12.7549	-0.39527
Be 313.042	-0.4365	ppb	0.0326	7.5	-147.727	-0.43645
Ca 370.602	-2.558	ppb	2.877	112.5	10.35	-2.55843
Cd 226.502	-0.3664	ppb	0.0752	20.5	30.8728	-0.36640
Co 228.615	-0.3645	ppb	0.2289	62.8	-5.4575	-0.36455
Cr 267.716	-0.2861	ppb	0.3095	108.2	0.5172	-0.28614
Cu 324.754	0.2200	ppb	0.3381	153.7	222.254	0.21998
Fe 271.441	-2.7672	ppb	6.5843	237.9	109.803	-2.76722
K 766.491	-4.6277	ppb	0.8425	18.2	322.790	-4.62773
Mg 279.078	-1.8922	ppb	2.9673	156.8	30.8468	-1.89220
Mn 257.610	-0.3677	ppb	0.3184	86.6	342.465	-0.36771
Mo 202.032	-0.4820	ppb	0.3397	70.5	18.0636	-0.48195
Na 330.237	-142.413	ppb	116.556	81.8	49.2524	-142.41252
Ni 231.604	0.7759	ppb	0.7396	95.3	-2.5651	0.77595
Pb 220.353	0.8557	ppb	2.9464	344.3	29.3798	0.85573
Sb 206.834	1.1378	ppb	1.4211	124.9	-1.8490	1.13785
Se 196.026	-4.5750	ppb	5.0264	109.9	8.2715	-4.57504
Sn 189.925	-2.1414	ppb	0.4817	22.5	-6.6685	-2.14136
Sr 216.596	-2.3611	ppb	0.0690	2.9	26.0829	-2.36114
Ti 334.941	-0.2774	ppb	0.0313	11.3	18.4364	-0.27743
Tl 190.794	1.8333	ppb	2.6914	146.8	-10.6363	1.83330
V 292.401	0.2363	ppb	0.3120	132.0	22.6499	0.23630
Zn 206.200	-1.4463	ppb	1.2085	83.6	2.1314	-1.44627

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89242-a-1-b (Samp) 4/17/2013, 1:54:44 PM Rack 1, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2295u	-1.0328u	-1.0640u
Al 308.215	2803.36	2802.98	2838.18
As 188.980	110.269	105.330	107.669
B 249.678	-3.8906u	-3.8101u	-3.9983u
Ba 389.178	67.7530	66.7265	67.1842
Be 313.042	-0.3454u	-0.3429u	-0.3391u
Ca 370.602	10399	10365	10455
Cd 226.502	-0.0001	-0.0193	-0.1631
Co 228.615	0.0682	0.5339	-0.3931u
Cr 267.716	4.1506	4.2372	4.3278
Cu 324.754	7.7367	7.4180	7.4364
Fe 271.441	3732.66	3709.15	3731.53
K 766.491	379.422	377.307	378.372
Mg 279.078	830.776	832.175	831.503
Mn 257.610	113.639	113.066	113.707
Mo 202.032	-0.5775u	-0.8585u	-0.3820u
Na 330.237	-143.167u	113.381	60.2289
Ni 231.604	0.7859	-0.1046u	0.3665
Pb 220.353	69.8374	70.4733	66.5179
Sb 206.834	-0.1257	4.1803	2.4078
Se 196.026	-6.3328u	-6.8701u	0.9665
Sn 189.925	-1.1535u	-1.6306u	-3.7641u
Sr 216.596	16.7494	16.9384	16.7640
Ti 334.941	153.925	152.676	154.082
Tl 190.794	2.7655	0.3260u	-3.2395u
V 292.401	8.2187	8.5025	8.4751
Zn 206.200	102.254	101.648	102.989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1087	ppb	0.1057	9.5	-58.5380
Al 308.215	2814.84	ppb	20.2150	0.7	6172.35
As 188.980	107.756	ppb	2.4706	2.3	56.0443
B 249.678	-3.8997	ppb	0.0944	2.4	143.396
Ba 389.178	67.2213	ppb	0.5143	0.8	1470.19
Be 313.042	-0.3425	ppb	0.0032	0.9	18.8404
Ca 370.602	10406	ppb	45.38	0.4	28290
Cd 226.502	-0.0608	ppb	0.0891	146.5	49.4758
Co 228.615	0.0697	ppb	0.4635	665.2	2.2047
Cr 267.716	4.2386	ppb	0.0886	2.1	141.098
Cu 324.754	7.5304	ppb	0.1789	2.4	603.351
Fe 271.441	3724.44	ppb	13.2611	0.4	6199.98
K 766.491	378.367	ppb	1.0576	0.3	12481.6
Mg 279.078	831.484	ppb	0.7000	0.1	1691.54
Mn 257.610	113.471	ppb	0.3524	0.3	26721.4
Mo 202.032	-0.6060	ppb	0.2396	39.5	16.9851
Na 330.237	10.1475	ppb	135.408	1334.4	53.2939
Ni 231.604	0.3493	ppb	0.4455	127.6	-3.5843
Pb 220.353	68.9429	ppb	2.1240	3.1	145.334
Sb 206.834	2.1541	ppb	2.1642	100.5	-0.7237
Se 196.026	-4.0788	ppb	4.3776	107.3	8.5241
Sn 189.925	-2.1828	ppb	1.3901	63.7	-6.6948
Sr 216.596	16.8173	ppb	0.1051	0.6	212.306
Ti 334.941	153.561	ppb	0.7704	0.5	39262.1
Tl 190.794	-0.0493	ppb	3.0201	6120.1	-12.7854
V 292.401	8.3988	ppb	0.1565	1.9	240.603
Zn 206.200	102.297	ppb	0.6717	0.7	125.542

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89242-a-1-b (Samp) **4/17/2013, 2:00:18 PM** **Rack 1, Tube 16****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.1456	47.5183	47.6186
Al 308.215	15681.7	15598.0	15657.6
As 188.980	2693.70	2689.06	2689.36
B 249.678	986.139	995.161	1000.79
Ba 389.178	2419.59	2421.03	2420.92
Be 313.042	52.2251	52.1682	52.2772
Ca 370.602	56375	56269	56385
Cd 226.502	53.4608	53.6119	53.3205
Co 228.615	532.245	534.555	533.056
Cr 267.716	231.287	230.144	231.499
Cu 324.754	308.558	308.402	303.938
Fe 271.441	18957.6	18931.3	18961.9
K 766.491	7213.59	7208.06	7186.82
Mg 279.078	9049.46	9035.25	9053.46
Mn 257.610	1095.16	1096.36	1097.04
Mo 202.032	509.831	508.569	510.626
Na 330.237	5605.37	5702.39	5162.13
Ni 231.604	525.287	524.958	525.240
Pb 220.353	816.657	820.179	828.594
Sb 206.834	481.630	482.517	489.782
Se 196.026	2011.68	2018.36	2010.98
Sn 189.925	1028.67	1026.12	1028.82
Sr 216.596	611.032	611.273	611.592
Ti 334.941	1758.36	1755.06	1755.43
Tl 190.794	2046.39	2053.50	2048.15
V 292.401	546.698	546.231	546.531
Zn 206.200	989.788	990.526	988.629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.7608	ppb	0.3370	0.7	3603.52
Al 308.215	15645.8	ppb	43.1315	0.3	34440.7
As 188.980	2690.70	ppb	2.5939	0.1	1628.46
B 249.678	994.031	ppb	7.3914	0.7	11670.2
Ba 389.178	2420.51	ppb	0.8031	0.0	51996.6
Be 313.042	52.2235	ppb	0.0545	0.1	91352.9
Ca 370.602	56343	ppb	64.61	0.1	153340
Cd 226.502	53.4644	ppb	0.1457	0.3	1898.19
Co 228.615	533.286	ppb	1.1722	0.2	5333.22
Cr 267.716	230.976	ppb	0.7286	0.3	7137.44
Cu 324.754	306.966	ppb	2.6238	0.9	16183.4
Fe 271.441	18950.3	ppb	16.5751	0.1	31161.6
K 766.491	7202.82	ppb	14.1308	0.2	229135
Mg 279.078	9046.05	ppb	9.5726	0.1	18063.2
Mn 257.610	1096.19	ppb	0.9541	0.1	254398
Mo 202.032	509.675	ppb	1.0375	0.2	3637.11
Na 330.237	5489.96	ppb	288.025	5.2	272.208
Ni 231.604	525.162	ppb	0.1778	0.0	1344.67
Pb 220.353	821.810	ppb	6.1331	0.7	1426.72
Sb 206.834	484.643	ppb	4.4726	0.9	470.532
Se 196.026	2013.67	ppb	4.0754	0.2	942.577
Sn 189.925	1027.87	ppb	1.5173	0.1	742.344
Sr 216.596	611.299	ppb	0.2813	0.0	5898.86
Ti 334.941	1756.28	ppb	1.8053	0.1	448106
Tl 190.794	2049.35	ppb	3.7049	0.2	1954.80
V 292.401	546.486	ppb	0.2366	0.0	14387.4
Zn 206.200	989.648	ppb	0.9561	0.1	1276.16

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89242-a-5-b (Samp) 4/17/2013, 2:05:52 PM Rack 1, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1691u	-0.1772u	-0.6645u
Al 308.215	37279.9	36987.9	37005.3
As 188.980	223.033	218.831	225.689
B 249.678	21.2024	19.1949u	18.3405u
Ba 389.178	1195.35	1188.55	1194.69
Be 313.042	3.4168	3.3894	3.4175
Ca 370.602	21388	21304	21354
Cd 226.502	3.5494	3.0385	3.5884
Co 228.615	49.5864	49.1011	50.5174
Cr 267.716	160.046	158.170	158.771
Cu 324.754	1014.74	1006.22	1004.01
Fe 271.441	200346	199383	200179
K 766.491	2994.38	2993.18	2990.68
Mg 279.078	2828.75	2801.04	2822.58
Mn 257.610	1471.82	1464.17	1471.43
Mo 202.032	18.2221	18.1295	17.6504
Na 330.237	625.719u	853.038u	685.477u
Ni 231.604	89.5337	91.1357	90.1956
Pb 220.353	2237.30	2218.34	2229.96
Sb 206.834	36.6789	31.0215	40.7280
Se 196.026	3.9364	17.5938	6.2261
Sn 189.925	220.502	227.384	228.273
Sr 216.596	625.942	621.199	624.842
Ti 334.941	2097.57	2085.35	2091.44
Tl 190.794	6.1272u	-0.7459u	4.5854u
V 292.401	154.047	153.588	154.614
Zn 206.200	597.032	589.344	589.409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2242	ppb	0.4188	186.8	-12.6873
Al 308.215	37091.0	ppb	163.792	0.4	81628.0
As 188.980	222.518	ppb	3.4581	1.6	124.008
B 249.678	19.5792	ppb	1.4692	7.5	188.594
Ba 389.178	1192.86	ppb	3.7470	0.3	25880.5
Be 313.042	3.4079	ppb	0.0160	0.5	6534.58
Ca 370.602	21349	ppb	42.21	0.2	44864
Cd 226.502	3.3921	ppb	0.3068	9.0	600.261
Co 228.615	49.7350	ppb	0.7197	1.4	534.112
Cr 267.716	158.996	ppb	0.9577	0.6	4949.17
Cu 324.754	1008.32	ppb	5.6663	0.6	52689.4
Fe 271.441	199969	ppb	514.503	0.3	326859
K 766.491	2992.75	ppb	1.8905	0.1	95479.1
Mg 279.078	2817.46	ppb	14.5490	0.5	5657.37
Mn 257.610	1469.14	ppb	4.3112	0.3	341229
Mo 202.032	18.0007	ppb	0.3069	1.7	139.152
Na 330.237	721.411	ppb	117.843	16.3	18.6372
Ni 231.604	90.2884	ppb	0.8050	0.9	231.411
Pb 220.353	2228.54	ppb	9.5600	0.4	3824.64
Sb 206.834	36.1428	ppb	4.8754	13.5	38.4677
Se 196.026	9.2521	ppb	7.3143	79.1	14.8286
Sn 189.925	225.386	ppb	4.2530	1.9	158.785
Sr 216.596	623.995	ppb	2.4826	0.4	6105.73
Ti 334.941	2091.45	ppb	6.1134	0.3	533593
Tl 190.794	3.3223	ppb	3.6065	108.6	-21.0525
V 292.401	154.083	ppb	0.5138	0.3	4110.68
Zn 206.200	591.928	ppb	4.4197	0.7	5764.849

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-2-d (Samp) 4/17/2013, 2:11:27 PM Rack 1, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.3283	1.2590	0.5264
Al 308.215	145453	145256	145468
As 188.980	456.793	462.757	463.071
B 249.678	64.5940u	64.8274u	64.7903u
Ba 389.178	4496.45	4492.74	4503.70
Be 313.042	21.5395	21.5637	21.5769
Ca 370.602	97742	97735	97739
Cd 226.502	30.9967	31.2988	30.8545
Co 228.615	180.567	180.306	178.477
Cr 267.716	764.596	764.137	765.574
Cu 324.754	775.891	781.665	787.584
Fe 271.441	747725	749092	748005
K 766.491	12765.4	12781.0	12818.9
Mg 279.078	17112.9	17136.2	17119.9
Mn 257.610	18233.5	18226.7	18197.4
Mo 202.032	32.8365	33.4392	32.7837
Na 330.237	296.657u	180.051u	273.583u
Ni 231.604	182.382	181.610	181.836
Pb 220.353	3410.09	3406.88	3395.78
Sb 206.834	13.3184	10.8958	11.8892
Se 196.026	-4.7096	-2.8337	-1.1804
Sn 189.925	279.084	283.102	284.572
Sr 216.596	1119.85	1121.73	1119.27
Ti 334.941	2265.04	2271.42	2271.76
Tl 190.794	18.2039u	21.3651u	15.5146u
V 292.401	1026.41	1028.60	1028.70
Zn 206.200	7720.19	7709.28	7683.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0379	ppb	0.4443	42.8	140.044
Al 308.215	145392	ppb	118.478	0.1	320037
As 188.980	460.873	ppb	3.5375	0.8	264.180
B 249.678	64.7372	ppb	0.1254	0.2	77.9544
Ba 389.178	4497.63	ppb	5.5727	0.1	97531.4
Be 313.042	21.5600	ppb	0.0189	0.1	38086.2
Ca 370.602	97739	ppb	3.818	0.0	216137
Cd 226.502	31.0500	ppb	0.2269	0.7	2750.70
Co 228.615	179.783	ppb	1.1384	0.6	1818.43
Cr 267.716	764.769	ppb	0.7337	0.1	23756.8
Cu 324.754	781.713	ppb	5.8465	0.7	41069.2
Fe 271.441	748274	ppb	722.158	0.1	1222775
K 766.491	12788.4	ppb	27.5371	0.2	406459
Mg 279.078	17123.0	ppb	11.9234	0.1	34007.1
Mn 257.610	18219.2	ppb	19.1854	0.1	4221939
Mo 202.032	33.0198	ppb	0.3642	1.1	217.218
Na 330.237	250.097	ppb	61.7493	24.7	-187.501
Ni 231.604	181.943	ppb	0.3966	0.2	477.995
Pb 220.353	3404.25	ppb	7.5097	0.2	5831.13
Sb 206.834	12.0345	ppb	1.2178	10.1	32.8755
Se 196.026	-2.9079	ppb	1.7658	60.7	12.5773
Sn 189.925	282.253	ppb	2.8410	1.0	200.151
Sr 216.596	1120.28	ppb	1.2857	0.1	11069.9
Ti 334.941	2269.40	ppb	3.7858	0.2	579103
Tl 190.794	18.3612	ppb	2.9284	15.9	-56.8071
V 292.401	1027.90	ppb	1.2913	0.1	27187.0
Zn 206.200	7704.20	ppb	19.0391	0.2	9910.19

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-2-e ms (Samp) 4/17/2013, 2:17:02 PM Rack 1, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.9096	9.3361	9.5406
Al 308.215	159702	160072	159447
As 188.980	605.885	602.031	614.166
B 249.678	191.400	193.506	193.463
Ba 389.178	4436.92	4444.99	4444.76
Be 313.042	71.8377	71.8836	71.8679
Ca 370.602	86571	86609	86636
Cd 226.502	79.7674	79.7531	80.0616
Co 228.615	232.269	231.277	229.961
Cr 267.716	845.044	846.233	841.845
Cu 324.754	792.855	786.811	799.095
Fe 271.441	797509	797818	798305
K 766.491	18204.8	18225.1	18210.7
Mg 279.078	21476.2	21482.3	21454.4
Mn 257.610	18331.6	18295.3	18318.4
Mo 202.032	124.938	124.026	124.811
Na 330.237	5509.85u	5682.15u	5316.60u
Ni 231.604	260.645	259.593	260.254
Pb 220.353	3090.11	3097.84	3107.29
Sb 206.834	42.6833	45.9036	40.7007
Se 196.026	81.2701	95.5556	71.4072
Sn 189.925	330.357	325.899	328.665
Sr 216.596	1082.65	1084.54	1086.45
Ti 334.941	2174.94	2181.52	2177.67
Tl 190.794	58.1059u	60.0149u	61.2787u
V 292.401	1277.11	1277.04	1278.29
Zn 206.200	7240.51	7231.59	7229.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.5954	ppb	0.2907	3.0	788.274
Al 308.215	159740	ppb	314.310	0.2	351627
As 188.980	607.361	ppb	6.2007	1.0	352.731
B 249.678	192.790	ppb	1.2040	0.6	1502.30
Ba 389.178	4442.22	ppb	4.5933	0.1	96419.2
Be 313.042	71.8631	ppb	0.0233	0.0	125537
Ca 370.602	86605	ppb	32.50	0.0	182167
Cd 226.502	79.8607	ppb	0.1742	0.2	4514.91
Co 228.615	231.169	ppb	1.1577	0.5	2324.25
Cr 267.716	844.374	ppb	2.2694	0.3	26217.9
Cu 324.754	792.920	ppb	6.1424	0.8	41667.1
Fe 271.441	797877	ppb	401.632	0.1	1303832
K 766.491	18213.5	ppb	10.4514	0.1	578687
Mg 279.078	21471.0	ppb	14.6461	0.1	42684.2
Mn 257.610	18315.1	ppb	18.3387	0.1	4244306
Mo 202.032	124.592	ppb	0.4937	0.4	864.291
Na 330.237	5502.87	ppb	182.874	3.3	32.5701
Ni 231.604	260.164	ppb	0.5318	0.2	679.908
Pb 220.353	3098.42	ppb	8.6029	0.3	5309.77
Sb 206.834	43.0959	ppb	2.6259	6.1	64.4837
Se 196.026	82.7443	ppb	12.1415	14.7	52.1954
Sn 189.925	328.307	ppb	2.2505	0.7	233.636
Sr 216.596	1084.54	ppb	1.8986	0.2	10739.9
Ti 334.941	2178.04	ppb	3.3070	0.2	555823
Tl 190.794	59.7998	ppb	1.5973	2.7	-19.4539
V 292.401	1277.48	ppb	0.7040	0.1	33764.7
Zn 206.200	7233.90	ppb	5.8055	0.1	9205.15

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-2-f msd (Samp) 4/17/2013, 2:22:37 PM Rack 1, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	7.5350	7.5048	6.3002
Al 308.215	158396	159151	158895
As 188.980	655.238	658.293	669.285
B 249.678	165.809	163.124	164.959
Ba 389.178	6824.76	6828.69	6833.15
Be 313.042	75.5231	75.5401	75.5686
Ca 370.602	69370	69274	69339
Cd 226.502	84.2093	83.1565	83.2310
Co 228.615	359.032	365.598	359.901
Cr 267.716	1049.82	1053.21	1052.41
Cu 324.754	659.094	660.963	662.498
Fe 271.441	991838x	995380x	995137x
K 766.491	15152.1	15184.3	15172.3
Mg 279.078	19617.0	19575.3	19613.2
Mn 257.610	46872.5x	46600.1x	46613.8x
Mo 202.032	147.270	149.723	148.337
Na 330.237	5332.51u	5293.79u	5333.84u
Ni 231.604	274.199	274.412	275.057
Pb 220.353	2618.62	2626.96	2607.39
Sb 206.834	47.6571	49.6317	49.0535
Se 196.026	87.6612	84.5821	94.4296
Sn 189.925	309.834	308.426	307.236
Sr 216.596	917.460	919.463	915.421
Ti 334.941	2157.26	2161.30	2158.36
Tl 190.794	101.245u	100.299u	108.074u
V 292.401	1575.58	1574.76	1574.52
Zn 206.200	7725.51	7719.23	7727.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.1133b	ppb	0.7044	9.9	740.256
Al 308.215	158814b	ppb	384.019	0.2	349586
As 188.980	660.939b	ppb	7.3879	1.1	383.200
B 249.678	164.630b	ppb	1.3720	0.8	949.804
Ba 389.178	6828.87b	ppb	4.2005	0.1	147872
Be 313.042	75.5439b	ppb	0.0230	0.0	131908
Ca 370.602	69328b	ppb	49.04	0.1	121758
Cd 226.502	83.5322b	ppb	0.5875	0.7	5073.62
Co 228.615	361.510b	ppb	3.5664	1.0	3615.95
Cr 267.716	1051.81b	ppb	1.7695	0.2	32722.1
Cu 324.754	660.852b	ppb	1.7050	0.3	34859.5
Fe 271.441	994118xb	ppb	1978.26	0.2	1624497
K 766.491	15169.6b	ppb	16.2520	0.1	482052
Mg 279.078	19601.8b	ppb	23.0783	0.1	38559.0
Mn 257.610	46695.5xb	ppb	153.432	0.3	10817399
Mo 202.032	148.443b	ppb	1.2300	0.8	1023.39
Na 330.237	5320.05b	ppb	22.7495	0.4	-28.3021
Ni 231.604	274.556b	ppb	0.4468	0.2	720.860
Pb 220.353	2617.66b	ppb	9.8205	0.4	4496.70
Sb 206.834	48.7808b	ppb	1.0151	2.1	76.1671
Se 196.026	88.8910b	ppb	5.0376	5.7	61.4283
Sn 189.925	308.498b	ppb	1.3005	0.4	219.220
Sr 216.596	917.448b	ppb	2.0208	0.2	9206.34
Ti 334.941	2158.97b	ppb	2.0891	0.1	550970
Tl 190.794	103.206b	ppb	4.2423	4.1	-27.2237
V 292.401	1574.95b	ppb	0.5573	0.0	41616.3
Zn 206.200	7724.23b	ppb	4.5038	0.1	9935.23

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-2-d (Samp) 4/17/2013, 2:28:13 PM Rack 1, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0605	0.1175	-0.0398
Al 308.215	29841.3	30004.2	29982.1
As 188.980	96.3387	98.6344	98.8254
B 249.678	12.2545u	10.9535u	10.7938u
Ba 389.178	961.758	966.815	963.209
Be 313.042	4.1986	4.2394	4.2253
Ca 370.602	20942	21042	21000
Cd 226.502	5.6004	5.5483	5.7812
Co 228.615	39.0864	38.2576	39.2661
Cr 267.716	161.049	162.394	161.816
Cu 324.754	157.554	155.957	158.031
Fe 271.441	163420	163950	163461
K 766.491	2265.03	2267.30	2266.87
Mg 279.078	3711.38	3732.99	3726.75
Mn 257.610	4025.53	4039.16	4036.85
Mo 202.032	6.5892	7.0717	5.9346
Na 330.237	257.772u	6.1592u	-31.9000u
Ni 231.604	39.9411	37.6977	39.4205
Pb 220.353	737.660	739.906	742.571
Sb 206.834	5.5069	-1.0226	1.1106
Se 196.026	-3.2686u	-3.6334u	0.1633
Sn 189.925	61.3200	59.8749	53.6020
Sr 216.596	239.412	239.198	238.162
Ti 334.941	482.295	485.008	484.041
Tl 190.794	5.8913u	5.8350u	8.6029u
V 292.401	218.736	218.666	217.818
Zn 206.200	1692.16	1695.18	1698.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0057	ppb	0.0973	1695.6	34.1228
Al 308.215	29942.5	ppb	88.3491	0.3	65890.2
As 188.980	97.9328	ppb	1.3839	1.4	48.5368
B 249.678	11.3339	ppb	0.8012	7.1	135.025
Ba 389.178	963.927	ppb	2.6037	0.3	20923.9
Be 313.042	4.2211	ppb	0.0207	0.5	7948.04
Ca 370.602	20995	ppb	50.52	0.2	46239
Cd 226.502	5.6433	ppb	0.1222	2.2	596.488
Co 228.615	38.8700	ppb	0.5380	1.4	391.547
Cr 267.716	161.753	ppb	0.6747	0.4	5033.38
Cu 324.754	157.181	ppb	1.0862	0.7	8430.25
Fe 271.441	163610	ppb	294.591	0.2	267449
K 766.491	2266.40	ppb	1.2065	0.1	72420.2
Mg 279.078	3723.70	ppb	11.1224	0.3	7422.01
Mn 257.610	4033.85	ppb	7.2919	0.2	935091
Mo 202.032	6.5318	ppb	0.5707	8.7	59.4093
Na 330.237	77.3437	ppb	157.410	203.5	3.3136
Ni 231.604	39.0198	ppb	1.1742	3.0	98.9952
Pb 220.353	740.046	ppb	2.4585	0.3	1289.50
Sb 206.834	1.8650	ppb	3.3295	178.5	4.0657
Se 196.026	-2.2463	ppb	2.0947	93.3	10.1337
Sn 189.925	58.2656	ppb	4.1029	7.0	37.2614
Sr 216.596	238.924	ppb	0.6681	0.3	2400.76
Ti 334.941	483.781	ppb	1.3752	0.3	123522
Tl 190.794	6.7764	ppb	1.5821	23.3	-19.5301
V 292.401	218.406	ppb	0.5111	0.2	5789.57
Zn 206.200	1695.16	ppb	2.9941	0.2	2183.68

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-2-e ms (Samp) 4/17/2013, 2:33:48 PM Rack 1, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1026	1.0724	0.8706
Al 308.215	32605.5	32707.7	32875.5
As 188.980	122.146	119.323	127.824
B 249.678	34.8624	36.3608	34.5729
Ba 389.178	949.155	949.454	946.815
Be 313.042	14.9823	15.0230	15.0329
Ca 370.602	18642	18690	18664
Cd 226.502	16.1257	16.3777	15.7439
Co 228.615	48.6818	49.3979	48.5386
Cr 267.716	176.978	177.037	178.281
Cu 324.754	160.403	160.171	158.675
Fe 271.441	173572	173797	173736
K 766.491	3354.60	3343.57	3335.22
Mg 279.078	4619.14	4633.76	4622.13
Mn 257.610	3987.56	3998.74	3990.61
Mo 202.032	25.4778	25.8336	25.0049
Na 330.237	855.955u	1027.62u	1023.01u
Ni 231.604	57.6526	53.4194	56.5446
Pb 220.353	668.228	675.356	675.810
Sb 206.834	11.6949	10.4057	7.5060
Se 196.026	4.3322	26.3502	14.2117
Sn 189.925	71.2234	63.7537	67.6355
Sr 216.596	228.330	230.713	229.736
Ti 334.941	465.026	465.025	465.959
Tl 190.794	13.8327u	12.8233u	10.8730u
V 292.401	267.694	267.275	267.045
Zn 206.200	1567.66	1584.86	1582.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0152	ppb	0.1261	12.4	110.682
Al 308.215	32729.6	ppb	136.351	0.4	72026.3
As 188.980	123.098	ppb	4.3295	3.5	63.7275
B 249.678	35.2654	ppb	0.9597	2.7	400.080
Ba 389.178	948.475	ppb	1.4448	0.2	20608.3
Be 313.042	15.0127	ppb	0.0268	0.2	26709.5
Ca 370.602	18666	ppb	23.95	0.1	39140
Cd 226.502	16.0824	ppb	0.3191	2.0	973.034
Co 228.615	48.8728	ppb	0.4604	0.9	489.924
Cr 267.716	177.432	ppb	0.7360	0.4	5518.02
Cu 324.754	159.749	ppb	0.9379	0.6	8566.96
Fe 271.441	173702	ppb	116.373	0.1	283940
K 766.491	3344.46	ppb	9.7213	0.3	106645
Mg 279.078	4625.01	ppb	7.7254	0.2	9221.70
Mn 257.610	3992.30	ppb	5.7783	0.1	925503
Mo 202.032	25.4388	ppb	0.4157	1.6	193.015
Na 330.237	968.862	ppb	97.8076	10.1	40.4595
Ni 231.604	55.8722	ppb	2.1953	3.9	142.488
Pb 220.353	673.131	ppb	4.2522	0.6	1175.42
Sb 206.834	9.8689	ppb	2.1454	21.7	12.1577
Se 196.026	14.9647	ppb	11.0283	73.7	18.0801
Sn 189.925	67.5375	ppb	3.7358	5.5	44.0027
Sr 216.596	229.593	ppb	1.1976	0.5	2313.92
Ti 334.941	465.337	ppb	0.5390	0.1	118822
Tl 190.794	12.5096	ppb	1.5046	12.0	-14.4454
V 292.401	267.338	ppb	0.3289	0.1	7079.06
Zn 206.200	1578.47	ppb	9.4165	0.6	2033.57

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-2-f msd (Samp) 4/17/2013, 2:39:24 PM Rack 1, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5934	0.9816	0.9698
Al 308.215	32155.8	32028.4	31970.6
As 188.980	130.941	136.735	137.743
B 249.678	26.2118	27.1395	27.3462
Ba 389.178	1428.88	1432.84	1425.87
Be 313.042	15.6154	15.6107	15.5823
Ca 370.602	15026	15034	15007
Cd 226.502	16.0837	16.2135	16.4389
Co 228.615	76.0625	76.1741	75.2423
Cr 267.716	218.802	218.104	217.900
Cu 324.754	130.630	129.846	129.356
Fe 271.441	214036	214338	214037
K 766.491	2633.71	2639.21	2621.30
Mg 279.078	4187.24	4195.46	4177.34
Mn 257.610	11332.9	11343.7	11350.4
Mo 202.032	30.6469	28.8717	29.5290
Na 330.237	1120.72u	901.472u	908.097u
Ni 231.604	58.4768	55.8216	57.8552
Pb 220.353	563.829	556.181	561.281
Sb 206.834	5.6571	12.7549	14.3631
Se 196.026	17.8903	5.3413	11.6277
Sn 189.925	61.6782	59.3959	64.6219
Sr 216.596	191.385	189.113	190.733
Ti 334.941	454.570	454.449	452.869
Tl 190.794	22.8446u	23.3956u	22.5945u
V 292.401	324.555	324.797	323.429
Zn 206.200	1652.43	1656.94	1651.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8482	ppb	0.2208	26.0	133.843
Al 308.215	32051.6	ppb	94.7825	0.3	70533.6
As 188.980	135.140	ppb	3.6707	2.7	70.6198
B 249.678	26.8992	ppb	0.6042	2.2	256.886
Ba 389.178	1429.20	ppb	3.4929	0.2	30972.5
Be 313.042	15.6028	ppb	0.0179	0.1	27729.1
Ca 370.602	15022	ppb	13.98	0.1	26518
Cd 226.502	16.2453	ppb	0.1797	1.1	1067.43
Co 228.615	75.8263	ppb	0.5088	0.7	756.887
Cr 267.716	218.269	ppb	0.4733	0.2	6803.59
Cu 324.754	129.944	ppb	0.6428	0.5	7029.43
Fe 271.441	214137	ppb	173.928	0.1	350012
K 766.491	2631.41	ppb	9.1774	0.3	84007.8
Mg 279.078	4186.68	ppb	9.0748	0.2	8242.93
Mn 257.610	11342.3	ppb	8.8206	0.1	2627797
Mo 202.032	29.6825	ppb	0.8975	3.0	221.057
Na 330.237	976.765	ppb	124.717	12.8	30.1880
Ni 231.604	57.3845	ppb	1.3887	2.4	147.188
Pb 220.353	560.430	ppb	3.8940	0.7	984.989
Sb 206.834	10.9250	ppb	4.6325	42.4	14.4275
Se 196.026	11.6197	ppb	6.2745	54.0	18.1965
Sn 189.925	61.8987	ppb	2.6199	4.2	39.9001
Sr 216.596	190.410	ppb	1.1700	0.6	1952.31
Ti 334.941	453.963	ppb	0.9491	0.2	115923
Tl 190.794	22.9449	ppb	0.4098	1.8	-16.7204
V 292.401	324.260	ppb	0.7298	0.2	8581.41
Zn 206.200	1653.67	ppb	2.8667	0.2	5130.17

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-b-5-b (Samp) 4/17/2013, 2:45:01 PM Rack 1, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.1797	3.5006	3.1329
Al 308.215	102304	102500	102266
As 188.980	255.153	250.065	247.069
B 249.678	73.9832	74.4171	76.0750
Ba 389.178	4384.61	4384.59	4383.35
Be 313.042	10.0332	10.0472	10.0196
Ca 370.602	144726	144761	144738
Cd 226.502	36.3108	36.6738	36.5626
Co 228.615	134.243	133.483	134.959
Cr 267.716	396.544	396.395	396.199
Cu 324.754	1365.32	1362.56	1348.28
Fe 271.441	264033	264101	264287
K 766.491	10053.8	10064.2	10078.1
Mg 279.078	15900.8	15882.1	15879.0
Mn 257.610	9967.84	9942.79	9967.41
Mo 202.032	24.6391	24.7644	23.8603
Na 330.237	159.338u	-24.5493u	-456.895u
Ni 231.604	181.520	180.792	180.808
Pb 220.353	4104.97	4075.19	4087.68
Sb 206.834	25.7302	26.3310	21.7510
Se 196.026	5.3617	-5.1240u	8.0986
Sn 189.925	172.262	168.939	179.246
Sr 216.596	875.994	875.034	878.598
Ti 334.941	1822.07	1822.29	1821.06
Tl 190.794	17.5991u	19.3387u	10.7149u
V 292.401	305.559	304.930	305.974
Zn 206.200	11624.3	11615.4	11640.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.2711	ppb	0.2002	6.1	278.869
Al 308.215	102357	ppb	125.851	0.1	225304
As 188.980	250.762	ppb	4.0869	1.6	141.587
B 249.678	74.8251	ppb	1.1040	1.5	754.016
Ba 389.178	4384.18	ppb	0.7219	0.0	94456.6
Be 313.042	10.0333	ppb	0.0138	0.1	18090.3
Ca 370.602	144742	ppb	18.00	0.0	378571
Cd 226.502	36.5157	ppb	0.1860	0.5	1864.67
Co 228.615	134.228	ppb	0.7379	0.5	1368.04
Cr 267.716	396.379	ppb	0.1730	0.0	12302.4
Cu 324.754	1358.72	ppb	9.1444	0.7	70923.0
Fe 271.441	264140	ppb	131.700	0.0	431723
K 766.491	10065.4	ppb	12.1532	0.1	320011
Mg 279.078	15887.3	ppb	11.7848	0.1	31595.7
Mn 257.610	9959.35	ppb	14.3410	0.1	2307716
Mo 202.032	24.4213	ppb	0.4899	2.0	181.311
Na 330.237	-107.369	ppb	316.354	294.6	-101.668
Ni 231.604	181.040	ppb	0.4157	0.2	465.829
Pb 220.353	4089.28	ppb	14.9535	0.4	6997.26
Sb 206.834	24.6041	ppb	2.4891	10.1	30.7595
Se 196.026	2.7788	ppb	6.9794	251.2	13.7395
Sn 189.925	173.482	ppb	5.2608	3.0	121.086
Sr 216.596	876.542	ppb	1.8444	0.2	8560.63
Ti 334.941	1821.81	ppb	0.6565	0.0	464876
Tl 190.794	15.8842	ppb	4.5605	28.7	-23.9866
V 292.401	305.488	ppb	0.5255	0.2	8095.86
Zn 206.200	11626.9	ppb	12.8758	0.1	14955.9

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/17/2013, 2:50:36 PM Rack 1, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	491.106	487.331	489.411
Al 308.215	5100.28	5121.40	5122.94
As 188.980	482.478	485.761	482.681
B 249.678	499.674	503.395	506.691
Ba 389.178	5131.96	5143.47	5156.98
Be 313.042	517.855	517.284	519.142
Ca 370.602	5161	5166	5197
Cd 226.502	519.743	521.621	521.460
Co 228.615	522.636	522.505	523.163
Cr 267.716	5187.02	5210.40	5199.76
Cu 324.754	5276.90	5205.93	5250.72
Fe 271.441	5238.17	5240.49	5296.92
K 766.491	10005.0	10030.8	10094.0
Mg 279.078	5045.13	5059.03	5075.35
Mn 257.610	5240.73	5244.48	5252.42
Mo 202.032	492.697	495.529	497.076
Na 330.237	7299.83	7151.63	7159.25
Ni 231.604	2617.93	2632.10	2631.08
Pb 220.353	502.020	499.880	504.043
Sb 206.834	924.629	928.335	930.033
Se 196.026	5019.57	5008.71	5040.56
Sn 189.925	5046.82	5061.18	5070.40
Sr 216.596	2534.66	2544.00	2543.98
Ti 334.941	500.270	501.776	502.529
Tl 190.794	5055.94	5063.31	5082.07
V 292.401	4964.50	4982.10	4989.74
Zn 206.200	2618.18	2619.25	2617.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.283	ppb	1.8910	0.4	36824.2	97.85658
Al 308.215	5114.87	ppb	12.6590	0.2	11226.8	102.29747
As 188.980	483.640	ppb	1.8397	0.4	284.667	96.72804
B 249.678	503.253	ppb	3.5108	0.7	6008.53	20.13013Q
Ba 389.178	5144.14	ppb	12.5233	0.2	110405	102.88281
Be 313.042	518.093	ppb	0.9516	0.2	901338	103.61869
Ca 370.602	5175	ppb	19.52	0.4	14067	103.49521
Cd 226.502	520.941	ppb	1.0407	0.2	17718.0	104.18822
Co 228.615	522.768	ppb	0.3480	0.1	5212.53	104.55359
Cr 267.716	5199.06	ppb	11.7057	0.2	160336	103.98123
Cu 324.754	5244.52	ppb	35.8934	0.7	272813	104.89035
Fe 271.441	5258.53	ppb	33.2675	0.6	8828.87	105.17051
K 766.491	10043.3	ppb	45.7662	0.5	319309	100.43276
Mg 279.078	5059.84	ppb	15.1276	0.3	10048.5	101.19674
Mn 257.610	5245.88	ppb	5.9699	0.1	1215357	104.91755
Mo 202.032	495.101	ppb	2.2208	0.4	3526.16	99.02013
Na 330.237	7203.57	ppb	83.4527	1.2	348.482	96.04762
Ni 231.604	2627.04	ppb	7.9010	0.3	6742.90	105.08143
Pb 220.353	501.981	ppb	2.0816	0.4	883.385	100.39616
Sb 206.834	927.666	ppb	2.7632	0.3	958.679	92.76656
Se 196.026	5022.95	ppb	16.1932	0.3	2336.28	100.45898
Sn 189.925	5059.47	ppb	11.8798	0.2	3673.96	101.18935
Sr 216.596	2540.88	ppb	5.3874	0.2	24362.9	101.63512
Ti 334.941	501.525	ppb	1.1502	0.2	128035	100.30504
Tl 190.794	5067.11	ppb	13.4691	0.3	4851.73	101.34213
V 292.401	4978.78	ppb	12.9410	0.3	131311	99.57558
Zn 206.200	2618.46	ppb	0.6850	0.0	3358.45	104.73859

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 2:56:09 PM Rack 1, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8014u	-0.8821u	-0.7331u
Al 308.215	0.7980	3.4423	9.9775
As 188.980	0.2911	-0.1811u	2.2327
B 249.678	1.7510	0.8828	-0.0976u
Ba 389.178	-0.0303u	0.9869	0.7764
Be 313.042	-0.4419u	-0.3944u	-0.3604u
Ca 370.602	4.192	8.481	9.369
Cd 226.502	-0.2858u	-0.2391u	-0.3470u
Co 228.615	-0.7375u	-0.2435u	-0.9601u
Cr 267.716	0.0168	0.1615	0.7636
Cu 324.754	-0.0551u	0.7854	1.1519
Fe 271.441	6.5362	16.3724	25.4037
K 766.491	-3.1716u	-0.5945u	-1.7522u
Mg 279.078	2.1593	-1.7005u	3.6203
Mn 257.610	0.5494	1.4565	2.0375
Mo 202.032	-0.0825u	-0.6272u	-0.2021u
Na 330.237	-189.114u	221.485	-177.207u
Ni 231.604	0.7455	-0.3262u	-0.6926u
Pb 220.353	-0.2412u	1.6267	2.9676
Sb 206.834	6.4317	1.7787	0.2523
Se 196.026	-9.2093u	-3.2003u	1.0976
Sn 189.925	-1.5668u	-2.3246u	-4.6199u
Sr 216.596	-1.4664u	-2.3914u	-1.3540u
Ti 334.941	-0.1676u	-0.2098u	-0.0671u
Tl 190.794	-1.4799u	2.9913	2.1560
V 292.401	0.2620	1.1159	1.1338
Zn 206.200	0.0352	-1.2366u	-1.6138u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8055	ppb	0.0745	9.3	-35.3611	-0.80552
Al 308.215	4.7393	ppb	4.7252	99.7	-13.7692	4.73926
As 188.980	0.7809	ppb	1.2793	163.8	-9.1243	0.78091
B 249.678	0.8454	ppb	0.9249	109.4	202.564	0.84537
Ba 389.178	0.5777	ppb	0.5370	93.0	33.6630	0.57766
Be 313.042	-0.3989	ppb	0.0409	10.3	-82.5041	-0.39892
Ca 370.602	7.347	ppb	2.768	37.7	36.20	7.34707
Cd 226.502	-0.2906	ppb	0.0541	18.6	33.4857	-0.29060
Co 228.615	-0.6470	ppb	0.3668	56.7	-8.2728	-0.64704
Cr 267.716	0.3140	ppb	0.3961	126.1	19.0295	0.31397
Cu 324.754	0.6274	ppb	0.6188	98.6	243.438	0.62740
Fe 271.441	16.1041	ppb	9.4366	58.6	140.616	16.10409
K 766.491	-1.8394	ppb	1.2907	70.2	411.308	-1.83945
Mg 279.078	1.3597	ppb	2.7491	202.2	37.3103	1.35967
Mn 257.610	1.3478	ppb	0.7500	55.6	739.840	1.34784
Mo 202.032	-0.3039	ppb	0.2863	94.2	19.3252	-0.30392
Na 330.237	-48.2786	ppb	233.698	484.1	53.3483	-48.27862
Ni 231.604	-0.0911	ppb	0.7473	820.3	-4.7916	-0.09110
Pb 220.353	1.4510	ppb	1.6116	111.1	30.3944	1.45102
Sb 206.834	2.8209	ppb	3.2188	114.1	-0.1884	2.82088
Se 196.026	-3.7707	ppb	5.1770	137.3	8.6441	-3.77066
Sn 189.925	-2.8371	ppb	1.5898	56.0	-7.1744	-2.83710
Sr 216.596	-1.7373	ppb	0.5693	32.8	32.0680	-1.73728
Ti 334.941	-0.1482	ppb	0.0733	49.5	51.4226	-0.14816
Tl 190.794	1.2225	ppb	2.3773	194.5	-11.2265	1.22247
V 292.401	0.8372	ppb	0.4983	59.5	38.4851	0.83722
Zn 206.200	-0.9384	ppb	0.8640	104.1	2.7833	-0.93840

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-273063/1-a (Samp) 4/17/2013, 3:01:43 PM Rack 1, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9345u	-1.0773u	-0.6481u
Al 308.215	0.1899	-2.1252u	-0.0974u
As 188.980	-0.5123u	-3.6767u	-1.8723u
B 249.678	-3.3717u	-3.0286u	-3.6007u
Ba 389.178	-3.0489u	-1.7709u	-2.4663u
Be 313.042	-0.5447u	-0.5586u	-0.5370u
Ca 370.602	-6.534u	-6.405u	-7.586u
Cd 226.502	-0.6159u	-0.5380u	-0.5289u
Co 228.615	-0.1218u	-0.7161u	-0.0954u
Cr 267.716	-1.2400u	-0.8738u	-0.6821u
Cu 324.754	-0.8552u	-1.1878u	-0.8647u
Fe 271.441	-8.8843u	-15.2764u	-10.6977u
K 766.491	-8.2744u	-8.2177u	-9.8325u
Mg 279.078	0.9187	-0.6885u	3.5109
Mn 257.610	-1.7240u	-1.7025u	-1.6799u
Mo 202.032	-1.5537u	-0.5097u	-1.4574u
Na 330.237	71.2810	21.1211	52.0928
Ni 231.604	0.1304	0.7822	0.1193
Pb 220.353	2.1483	2.4794	0.9311
Sb 206.834	0.5493	-0.4615u	1.2701
Se 196.026	-4.3274u	3.9856	-7.3199u
Sn 189.925	-7.7738u	-5.1166u	-5.7758u
Sr 216.596	-2.3623u	-2.9245u	-3.3091u
Ti 334.941	-0.4603u	-0.4916u	-0.4739u
Tl 190.794	-4.6795u	-4.7489u	-0.5832u
V 292.401	-1.0188u	-0.7186u	-0.8216u
Zn 206.200	-1.4956u	-2.7216u	-3.1981u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8866	ppb	0.2186	24.7	-41.4675
Al 308.215	-0.6776	ppb	1.2619	186.2	-25.7103
As 188.980	-2.0205	ppb	1.5874	78.6	-10.8293
B 249.678	-3.3337	ppb	0.2879	8.6	154.253
Ba 389.178	-2.4287	ppb	0.6398	26.3	-30.8755
Be 313.042	-0.5468	ppb	0.0110	2.0	-339.472
Ca 370.602	-6.842	ppb	0.6481	9.5	-0.7582
Cd 226.502	-0.5610	ppb	0.0478	8.5	24.2528
Co 228.615	-0.3111	ppb	0.3510	112.8	-4.9197
Cr 267.716	-0.9320	ppb	0.2834	30.4	-19.3966
Cu 324.754	-0.9693	ppb	0.1893	19.5	160.428
Fe 271.441	-11.6195	ppb	3.2942	28.4	95.2477
K 766.491	-8.7749	ppb	0.9164	10.4	191.132
Mg 279.078	1.2470	ppb	2.1189	169.9	37.1294
Mn 257.610	-1.7021	ppb	0.0221	1.3	33.4256
Mo 202.032	-1.1736	ppb	0.5770	49.2	13.1570
Na 330.237	48.1649	ppb	25.3096	52.5	57.5741
Ni 231.604	0.3439	ppb	0.3796	110.4	-3.6749
Pb 220.353	1.8529	ppb	0.8153	44.0	31.0798
Sb 206.834	0.4526	ppb	0.8698	192.2	-2.5285
Se 196.026	-2.5539	ppb	5.8577	229.4	9.2066
Sn 189.925	-6.2220	ppb	1.3836	22.2	-9.6358
Sr 216.596	-2.8653	ppb	0.4762	16.6	21.2545
Ti 334.941	-0.4752	ppb	0.0157	3.3	-32.0230
Tl 190.794	-3.3372	ppb	2.3853	71.5	-15.6032
V 292.401	-0.8530	ppb	0.1525	17.9	-6.0390
Zn 206.200	-2.4718	ppb	0.8783	35.5	-0.8148

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-273063/2-a (Samp) 4/17/2013, 3:07:17 PM Rack 1, Tube 28
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.5977	12.5362	12.1967
Al 308.215	5260.52	5301.00	5323.49
As 188.980	108.881	109.600	110.031
B 249.678	193.255	194.615	194.986
Ba 389.178	103.969	103.639	104.055
Be 313.042	53.2097	53.4102	53.4243
Ca 370.602	5036	5047	5059
Cd 226.502	54.6703	54.9349	54.3233
Co 228.615	54.2740	54.2041	54.0234
Cr 267.716	106.728	107.698	108.009
Cu 324.754	106.334	107.442	106.997
Fe 271.441	5102.10	5122.92	5125.05
K 766.491	5111.59	5113.49	5102.54
Mg 279.078	5108.01	5132.60	5126.84
Mn 257.610	551.551	553.511	553.686
Mo 202.032	102.863	101.724	102.116
Na 330.237	5146.36	5127.32	5270.47
Ni 231.604	104.610	106.371	105.645
Pb 220.353	53.6976	53.2248	54.1148
Sb 206.834	49.2423	50.0162	54.1910
Se 196.026	101.820	96.9548	99.9176
Sn 189.925	204.691	202.430	198.261
Sr 216.596	102.339	102.423	102.186
Ti 334.941	101.238	101.571	101.876
Tl 190.794	40.2906	41.3669	41.2526
V 292.401	103.447	103.219	103.217
Zn 206.200	104.714	104.638	106.601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.4435	ppb	0.2160	1.7	961.059
Al 308.215	5295.00	ppb	31.9084	0.6	11636.7
As 188.980	109.504	ppb	0.5811	0.5	57.0228
B 249.678	194.286	ppb	0.9113	0.5	2434.49
Ba 389.178	103.888	ppb	0.2194	0.2	2269.65
Be 313.042	53.3481	ppb	0.1200	0.2	93366.5
Ca 370.602	5047	ppb	11.55	0.2	13515
Cd 226.502	54.6428	ppb	0.3067	0.6	1907.35
Co 228.615	54.1672	ppb	0.1293	0.2	536.966
Cr 267.716	107.478	ppb	0.6680	0.6	3325.63
Cu 324.754	106.924	ppb	0.5578	0.5	5772.76
Fe 271.441	5116.69	ppb	12.6816	0.2	8483.64
K 766.491	5109.20	ppb	5.8518	0.1	162669
Mg 279.078	5122.48	ppb	12.8609	0.3	10244.6
Mn 257.610	552.916	ppb	1.1852	0.2	128521
Mo 202.032	102.234	ppb	0.5787	0.6	746.682
Na 330.237	5181.39	ppb	77.7360	1.5	278.782
Ni 231.604	105.542	ppb	0.8851	0.8	266.624
Pb 220.353	53.6790	ppb	0.4453	0.8	119.275
Sb 206.834	51.1498	ppb	2.6620	5.2	47.6230
Se 196.026	99.5640	ppb	2.4517	2.5	56.5916
Sn 189.925	201.794	ppb	3.2616	1.6	141.630
Sr 216.596	102.316	ppb	0.1201	0.1	1027.39
Ti 334.941	101.562	ppb	0.3192	0.3	26016.2
Tl 190.794	40.9701	ppb	0.5911	1.4	25.9744
V 292.401	103.295	ppb	0.1324	0.1	2724.38
Zn 206.200	105.318	ppb	1.1121	1.1	519.166

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-273063/3-a (Samp) 4/17/2013, 3:12:51 PM Rack 1, Tube 29
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	200.858	198.488	201.026
Al 308.215	2079.57	2052.41	2068.56
As 188.980	214.505	212.093	216.748
B 249.678	385.701	384.185	387.217
Ba 389.178	199.576	199.656	200.330
Be 313.042	209.514	207.592	208.487
Ca 370.602	20029	19825	19933
Cd 226.502	210.034	208.688	209.591
Co 228.615	208.934	207.908	209.191
Cr 267.716	209.708	205.817	207.876
Cu 324.754	210.465	207.525	209.910
Fe 271.441	20789.5	20603.5	20693.4
K 766.491	20374.4	20191.0	20176.0
Mg 279.078	20169.8	19993.0	20116.4
Mn 257.610	2158.79	2143.95	2154.36
Mo 202.032	200.298	197.452	199.614
Na 330.237	18155.2	18405.0	17851.9
Ni 231.604	206.587	204.241	205.069
Pb 220.353	204.056	199.725	201.059
Sb 206.834	197.063	188.717	188.924
Se 196.026	205.563	199.142	190.674
Sn 189.925	196.635	199.867	196.391
Sr 216.596	214.870	211.709	214.919
Ti 334.941	199.564	197.445	198.396
Tl 190.794	36.8712	42.3575	40.5398
V 292.401	203.213	201.705	202.845
Zn 206.200	195.803	195.492	195.560

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	200.124	ppb	1.4192	0.7	15102.0
Al 308.215	2066.84	ppb	13.6614	0.7	4534.47
As 188.980	214.449	ppb	2.3284	1.1	120.848
B 249.678	385.701	ppb	1.5161	0.4	4630.92
Ba 389.178	199.854	ppb	0.4139	0.2	4385.62
Be 313.042	208.531	ppb	0.9617	0.5	363213
Ca 370.602	19929	ppb	102.0	0.5	53246
Cd 226.502	209.438	ppb	0.6857	0.3	7190.34
Co 228.615	208.678	ppb	0.6788	0.3	2074.91
Cr 267.716	207.801	ppb	1.9462	0.9	6425.17
Cu 324.754	209.300	ppb	1.5621	0.7	11101.3
Fe 271.441	20695.4	ppb	93.0052	0.4	33962.0
K 766.491	20247.1	ppb	110.499	0.5	643246
Mg 279.078	20093.1	ppb	90.6962	0.5	40089.0
Mn 257.610	2152.37	ppb	7.6170	0.4	499065
Mo 202.032	199.121	ppb	1.4854	0.7	1433.42
Na 330.237	18137.4	ppb	276.970	1.5	838.632
Ni 231.604	205.299	ppb	1.1901	0.6	523.158
Pb 220.353	201.613	ppb	2.2183	1.1	371.518
Sb 206.834	191.568	ppb	4.7601	2.5	187.063
Se 196.026	198.460	ppb	7.4679	3.8	102.718
Sn 189.925	197.631	ppb	1.9400	1.0	138.612
Sr 216.596	213.833	ppb	1.8394	0.9	2099.25
Ti 334.941	198.468	ppb	1.0616	0.5	50796.2
Tl 190.794	39.9228	ppb	2.7947	7.0	22.0299
V 292.401	202.588	ppb	0.7863	0.4	5328.07
Zn 206.200	195.618	ppb	0.1634	0.1	255.046

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640-43094-g-1-a (Samp) 4/17/2013, 3:18:26 PM Rack 1, Tube 30
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0135u	-0.8033u	-0.8721u
Al 308.215	8.7879	8.9707	11.7063
As 188.980	-0.8507	-2.1422	1.5369
B 249.678	318.095	318.871	321.107
Ba 389.178	415.076	413.249	416.090
Be 313.042	-0.5700u	-0.5450u	-0.5459u
Ca 370.602	203717	202403	202099
Cd 226.502	-0.4501	-0.3339	-0.3520
Co 228.615	-0.1559u	-0.5196u	0.5728
Cr 267.716	-0.7648u	-0.9354u	-1.1551u
Cu 324.754	-0.7538u	-0.9161u	-0.6619u
Fe 271.441	16743.9	16732.7	16739.7
K 766.491	22098.8	22067.9	22064.8
Mg 279.078	96460.5	96263.4	96274.8
Mn 257.610	593.405	593.182	593.364
Mo 202.032	-0.5269u	-0.6509u	-0.9874u
Na 330.237	413375x	416493x	416024x
Ni 231.604	1.3972	1.0834	2.4809
Pb 220.353	4.2370	1.9920	5.6744
Sb 206.834	5.2969	3.2105	-4.2879u
Se 196.026	-1.9455u	-8.4094u	-4.2038u
Sn 189.925	0.1487	-6.0305u	-4.4345u
Sr 216.596	1168.45	1167.64	1163.75
Ti 334.941	-1.4286	-1.4769u	-1.4354
Tl 190.794	-1.5660u	-5.6290u	0.5940u
V 292.401	-1.0607u	-0.3174u	-0.4161u
Zn 206.200	-1.4252u	-1.8365u	-3.4274u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8963b	ppb	0.1071	12.0	-93.7534
Al 308.215	9.8216b	ppb	1.6347	16.6	-2.5920
As 188.980	-0.4854b	ppb	1.8666	384.6	-8.3743
B 249.678	319.358b	ppb	1.5638	0.5	3868.04
Ba 389.178	414.805b	ppb	1.4399	0.3	9174.51
Be 313.042	-0.5536b	ppb	0.0141	2.6	-332.774
Ca 370.602	202740b	ppb	859.7	0.4	554241
Cd 226.502	-0.3787b	ppb	0.0626	16.5	66.5265
Co 228.615	-0.0342b	ppb	0.5562	1624.5	-2.6370
Cr 267.716	-0.9518b	ppb	0.1957	20.6	-11.3882
Cu 324.754	-0.7773b	ppb	0.1287	16.6	175.560
Fe 271.441	16738.8b	ppb	5.6580	0.0	27464.2
K 766.491	22077.2b	ppb	18.8255	0.1	701344
Mg 279.078	96332.9b	ppb	110.672	0.1	192205
Mn 257.610	593.317b	ppb	0.1186	0.0	138441
Mo 202.032	-0.7217b	ppb	0.2383	33.0	15.5432
Na 330.237	415297xb	ppb	1681.26	0.4	18162.5
Ni 231.604	1.6538b	ppb	0.7332	44.3	0.0288
Pb 220.353	3.9678b	ppb	1.8559	46.8	34.8157
Sb 206.834	1.4065b	ppb	5.0406	358.4	-1.2158
Se 196.026	-4.8529b	ppb	3.2804	67.6	8.2656
Sn 189.925	-3.4388b	ppb	3.2077	93.3	-7.4175
Sr 216.596	1166.62b	ppb	2.5139	0.2	11261.2
Ti 334.941	-1.4470b	ppb	0.0262	1.8	89.9930
Tl 190.794	-2.2004b	ppb	3.1596	143.6	-16.1780
V 292.401	-0.5980b	ppb	0.4037	67.5	-1.1625
Zn 206.200	-2.2297b	ppb	1.0574	47.4	5151255

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640-43094-g-1-b ms (Samp) 4/17/2013, 3:24:01 PM Rack 1, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	42.0152	41.5099	42.3475
Al 308.215	5681.91	5674.85	5672.03
As 188.980	106.309	105.469	110.521
B 249.678	528.822	532.494	534.609
Ba 389.178	526.420	527.365	527.277
Be 313.042	52.7869	52.6652	52.7763
Ca 370.602	212385	211768	211251
Cd 226.502	52.6055	52.4339	53.0166
Co 228.615	51.6504	52.0762	50.3844
Cr 267.716	105.364	105.453	104.727
Cu 324.754	108.206	107.967	108.942
Fe 271.441	21922.0	21898.8	21921.5
K 766.491	29859.5	29872.2	29990.9
Mg 279.078	103877	103659	103715
Mn 257.610	1143.52	1142.92	1142.83
Mo 202.032	100.023	100.017	100.384
Na 330.237	434592x	432032x	428676x
Ni 231.604	102.074	101.064	101.513
Pb 220.353	54.3915	52.3703	55.9001
Sb 206.834	49.2063	47.5334	50.4178
Se 196.026	119.002	100.937	110.461
Sn 189.925	191.413	196.325	190.871
Sr 216.596	1295.28	1286.96	1289.91
Ti 334.941	99.3410	98.4046	99.3999
Tl 190.794	38.1764	33.8941	34.5209
V 292.401	101.402	101.503	101.003
Zn 206.200	102.878	103.966	99.6058

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.9575b	ppb	0.4218	1.0	3132.12
Al 308.215	5676.26b	ppb	5.0887	0.1	12475.9
As 188.980	107.433b	ppb	2.7071	2.5	57.3178
B 249.678	531.975b	ppb	2.9282	0.6	6321.73
Ba 389.178	527.021b	ppb	0.5224	0.1	11607.1
Be 313.042	52.7428b	ppb	0.0674	0.1	92332.9
Ca 370.602	211801b	ppb	567.9	0.3	578732
Cd 226.502	52.6853b	ppb	0.2994	0.6	1877.14
Co 228.615	51.3703b	ppb	0.8800	1.7	508.660
Cr 267.716	105.181b	ppb	0.3958	0.4	3263.56
Cu 324.754	108.372b	ppb	0.5080	0.5	5853.13
Fe 271.441	21914.1b	ppb	13.2388	0.1	35929.0
K 766.491	29907.5b	ppb	72.4626	0.2	949930
Mg 279.078	103751b	ppb	113.403	0.1	206993
Mn 257.610	1143.09b	ppb	0.3753	0.0	265819
Mo 202.032	100.141b	ppb	0.2104	0.2	731.006
Na 330.237	431767xb	ppb	2966.70	0.7	18878.1
Ni 231.604	101.550b	ppb	0.5063	0.5	256.712
Pb 220.353	54.2206b	ppb	1.7711	3.3	120.332
Sb 206.834	49.0525b	ppb	1.4483	3.0	45.9250
Se 196.026	110.133b	ppb	9.0370	8.2	61.6051
Sn 189.925	192.870b	ppb	3.0048	1.6	135.339
Sr 216.596	1290.72b	ppb	4.2213	0.3	12449.4
Ti 334.941	99.0485b	ppb	0.5584	0.6	25753.4
Tl 190.794	35.5305b	ppb	2.3127	6.5	19.0828
V 292.401	101.302b	ppb	0.2647	0.3	2670.41
Zn 206.200	102.150b	ppb	2.2694	2.2	135.100

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640-43094-g-1-c msd (Samp) 4/17/2013, 3:29:36 PM Rack 1, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	21.6010	21.3007	21.5181
Al 308.215	5727.18	5721.45	5704.83
As 188.980	109.308	110.232	106.903
B 249.678	541.008	541.578	544.097
Ba 389.178	530.805	531.015	531.100
Be 313.042	53.1245	53.0301	53.1291
Ca 370.602	214004	214586	212247
Cd 226.502	53.3189	52.7741	53.1516
Co 228.615	51.6466	51.7696	51.9974
Cr 267.716	105.780	105.214	105.553
Cu 324.754	108.501	108.917	108.460
Fe 271.441	22102.8	22066.4	22112.1
K 766.491	30225.9	30185.3	30281.2
Mg 279.078	104976	104571	104592
Mn 257.610	1152.75	1151.52	1153.11
Mo 202.032	100.966	100.439	101.076
Na 330.237	434759x	437046x	435502x
Ni 231.604	104.411	102.381	104.030
Pb 220.353	53.3230	53.1616	53.0420
Sb 206.834	61.5472	52.5135	54.1316
Se 196.026	108.941	103.758	90.5471
Sn 189.925	195.693	193.463	203.111
Sr 216.596	1304.06	1299.14	1297.49
Ti 334.941	99.7924	99.2990	99.7661
Tl 190.794	36.2329	37.1055	35.2723
V 292.401	101.687	102.234	102.172
Zn 206.200	104.045	101.610	101.172

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.4732b	ppb	0.1551	0.7	1588.24
Al 308.215	5717.82b	ppb	11.6095	0.2	12567.4
As 188.980	108.814b	ppb	1.7188	1.6	58.1713
B 249.678	542.228b	ppb	1.6438	0.3	6440.11
Ba 389.178	530.973b	ppb	0.1516	0.0	11694.5
Be 313.042	53.0946b	ppb	0.0559	0.1	92944.8
Ca 370.602	213612b	ppb	1217	0.6	583679
Cd 226.502	53.0815b	ppb	0.2791	0.5	1891.02
Co 228.615	51.8045b	ppb	0.1780	0.3	512.979
Cr 267.716	105.516b	ppb	0.2849	0.3	3273.96
Cu 324.754	108.626b	ppb	0.2530	0.2	5866.41
Fe 271.441	22093.8b	ppb	24.1231	0.1	36222.6
K 766.491	30230.8b	ppb	48.1482	0.2	960193
Mg 279.078	104713b	ppb	228.112	0.2	208913
Mn 257.610	1152.46b	ppb	0.8360	0.1	267995
Mo 202.032	100.827b	ppb	0.3404	0.3	735.862
Na 330.237	435769xb	ppb	1166.71	0.3	19052.6
Ni 231.604	103.607b	ppb	1.0786	1.0	262.000
Pb 220.353	53.1755b	ppb	0.1410	0.3	118.551
Sb 206.834	56.0641b	ppb	4.8169	8.6	52.8361
Se 196.026	101.082b	ppb	9.4846	9.4	57.4181
Sn 189.925	197.422b	ppb	5.0515	2.6	138.652
Sr 216.596	1300.23b	ppb	3.4193	0.3	12540.8
Ti 334.941	99.6192b	ppb	0.2776	0.3	25902.8
Tl 190.794	36.2036b	ppb	0.9170	2.5	19.7069
V 292.401	102.031b	ppb	0.2993	0.3	2689.50
Zn 206.200	102.276b	ppb	1.5478	1.5	135.259

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640-43099-a-1-a (Samp) 4/17/2013, 3:35:12 PM Rack 1, Tube 33

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6767u	-1.1463u	-0.7181u
Al 308.215	15.5813	16.5580	13.5636
As 188.980	4.9893	5.2295	3.9553
B 249.678	379.509	379.538	379.904
Ba 389.178	28.7456	29.3741	30.3829
Be 313.042	-0.5807u	-0.5736u	-0.5642u
Ca 370.602	236423	234338	235858
Cd 226.502	-0.4317u	-0.2812u	-0.4493u
Co 228.615	-0.5250u	0.3003	-1.4719u
Cr 267.716	-0.5928u	-0.4588u	-0.3830u
Cu 324.754	1.3955	1.8840	1.1693
Fe 271.441	836.556	837.544	835.786
K 766.491	113530x	113389x	113369x
Mg 279.078	27697.9	27672.1	27598.6
Mn 257.610	97.3388	97.3845	97.3587
Mo 202.032	1.2930	1.2307	1.1846
Na 330.237	38246.9	38447.8	38439.2
Ni 231.604	9.3499	9.0350	8.5036
Pb 220.353	2.5499	1.4926	-1.0976u
Sb 206.834	2.0970	-6.8265u	2.5906
Se 196.026	4.6148	7.6609	-1.8075u
Sn 189.925	-2.2032u	-7.6261u	-4.3158u
Sr 216.596	1683.84	1681.79	1674.67
Ti 334.941	-0.0788	-0.1616	-0.0837
Tl 190.794	2.6857	-5.2719u	-5.2235u
V 292.401	20.4488	20.6109	20.5213
Zn 206.200	48.3320	46.1818	46.3811

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8470b	ppb	0.2600	30.7	-114.138
Al 308.215	15.2343b	ppb	1.5271	10.0	9.2868
As 188.980	4.7247b	ppb	0.6770	14.3	-4.7650
B 249.678	379.650b	ppb	0.2203	0.1	4584.03
Ba 389.178	29.5009b	ppb	0.8260	2.8	722.064
Be 313.042	-0.5729b	ppb	0.0083	1.4	-320.252
Ca 370.602	235540b	ppb	1078	0.5	645193
Cd 226.502	-0.3874b	ppb	0.0924	23.9	32.1497
Co 228.615	-0.5656b	ppb	0.8868	156.8	-7.4572
Cr 267.716	-0.4782b	ppb	0.1063	22.2	-4.7204
Cu 324.754	1.4829b	ppb	0.3652	24.6	288.010
Fe 271.441	836.629b	ppb	0.8813	0.1	1481.48
K 766.491	113429xb	ppb	87.4898	0.1	3601455
Mg 279.078	27656.2b	ppb	51.5497	0.2	55205.1
Mn 257.610	97.3607b	ppb	0.0229	0.0	23141.5
Mo 202.032	1.2361b	ppb	0.0544	4.4	30.1793
Na 330.237	38378.0b	ppb	113.584	0.3	1728.62
Ni 231.604	8.9628b	ppb	0.4278	4.8	18.4793
Pb 220.353	0.9816b	ppb	1.8766	191.2	29.6131
Sb 206.834	-0.7129b	ppb	5.3002	743.4	-3.6814
Se 196.026	3.4894b	ppb	4.8335	138.5	12.0258
Sn 189.925	-4.7150b	ppb	2.7335	58.0	-8.4420
Sr 216.596	1680.10b	ppb	4.8135	0.3	16182.7
Ti 334.941	-0.1080b	ppb	0.0464	43.0	172.691
Tl 190.794	-2.6032b	ppb	4.5805	176.0	-15.0708
V 292.401	20.5270b	ppb	0.0812	0.4	559.051
Zn 206.200	46.9650b	ppb	1.1881	2.5	643923

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640-43099-a-2-a (Samp) 4/17/2013, 3:40:47 PM Rack 1, Tube 34

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9854u	-0.9964u	-0.9926u
Al 308.215	-79.2319u	-86.4466u	-84.8924u
As 188.980	-1.9237	-0.7363	-3.4052
B 249.678	1827.17	1833.51	1843.60
Ba 389.178	63.7646	64.3325	65.0744
Be 313.042	-0.6168u	-0.6138u	-0.6120u
Ca 370.602	354204	352356	354870
Cd 226.502	-0.4760u	-0.6055u	-0.5203u
Co 228.615	-0.4322u	-0.3249u	0.1344
Cr 267.716	-1.0755u	-1.2846u	-0.9476u
Cu 324.754	9.5929	10.1658	9.5838
Fe 271.441	78.4299	80.1045	83.5790
K 766.491	89209.0x	89019.3x	89309.5x
Mg 279.078	21167.7	21102.8	21131.5
Mn 257.610	33.0410	32.8868	33.0095
Mo 202.032	19.5678	18.9832	19.5603
Na 330.237	10675.9	10552.3	10203.5
Ni 231.604	48.1900	49.8127	48.0416
Pb 220.353	3.1310	0.6095	0.8498
Sb 206.834	-2.1822u	-2.9677u	4.5223
Se 196.026	6.3195	-1.0289u	0.5687
Sn 189.925	-7.9572u	-5.3399u	-5.7011u
Sr 216.596	1974.14	1968.93	1974.72
Ti 334.941	-0.1014	-0.1639	-0.1855
Tl 190.794	-1.6392u	-2.0313u	-2.2905u
V 292.401	1511.99	1509.12	1517.01
Zn 206.200	69.7243	68.6585	68.8200

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9915b	ppb	0.0056	0.6	-129.511
Al 308.215	-83.5237b	ppb	3.7971	4.5	-217.429
As 188.980	-2.0217b	ppb	1.3371	66.1	-7.8807
B 249.678	1834.76b	ppb	8.2848	0.5	21418.2
Ba 389.178	64.3905b	ppb	0.6568	1.0	1456.92
Be 313.042	-0.6142b	ppb	0.0024	0.4	-401.807
Ca 370.602	353810b	ppb	1302	0.4	969243
Cd 226.502	-0.5339b	ppb	0.0658	12.3	25.5819
Co 228.615	-0.2076b	ppb	0.3009	145.0	-4.3973
Cr 267.716	-1.1026b	ppb	0.1701	15.4	-33.7867
Cu 324.754	9.7809b	ppb	0.3334	3.4	704.111
Fe 271.441	80.7045b	ppb	2.6264	3.3	256.621
K 766.491	89179.3xb	ppb	147.372	0.2	2831605
Mg 279.078	21134.0b	ppb	32.5194	0.2	42194.7
Mn 257.610	32.9791b	ppb	0.0815	0.2	8193.15
Mo 202.032	19.3704b	ppb	0.3354	1.7	156.171
Na 330.237	10477.3b	ppb	244.982	2.3	511.911
Ni 231.604	48.6814b	ppb	0.9825	2.0	120.478
Pb 220.353	1.5301b	ppb	1.3916	91.0	30.5097
Sb 206.834	-0.2092b	ppb	4.1164	1967.8	-3.4427
Se 196.026	1.9531b	ppb	3.8649	197.9	11.3005
Sn 189.925	-6.3327b	ppb	1.4184	22.4	-9.5828
Sr 216.596	1972.60b	ppb	3.1866	0.2	18997.1
Ti 334.941	-0.1502b	ppb	0.0437	29.1	136.949
Tl 190.794	-1.9870b	ppb	0.3279	16.5	-13.6399
V 292.401	1512.71b	ppb	3.9906	0.3	40023.6
Zn 206.200	69.0676b	ppb	0.5745	0.8	92.8193

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43099-a-3-a (Samp) 4/17/2013, 3:46:23 PM Rack 1, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1971u	-0.8475u	-0.8339u
Al 308.215	-4.0781u	-8.1400u	0.5417
As 188.980	0.0760	9.6086	2.9018
B 249.678	570.883	571.768	572.236
Ba 389.178	104.790	103.315	105.178
Be 313.042	-0.5996u	-0.6007u	-0.6093u
Ca 370.602	291181	292261	291658
Cd 226.502	-0.6250u	-0.6261u	-0.6257u
Co 228.615	1.1772	0.3857	0.2763
Cr 267.716	-0.7997u	-0.9222u	-0.4343u
Cu 324.754	3.8843	3.3224	3.2102
Fe 271.441	15.1629	13.7752	20.5615
K 766.491	221376x	221186x	221795x
Mg 279.078	41484.6	41534.4	41528.8
Mn 257.610	20.3203	20.4086	20.4541
Mo 202.032	17.6155	17.9468	17.1956
Na 330.237	39824.0	39763.6	39815.2
Ni 231.604	13.2772	13.3052	12.3308
Pb 220.353	1.9987	1.5271	2.2195
Sb 206.834	-2.0025u	-0.4686u	3.4160
Se 196.026	-8.8811u	0.3672	-2.4182u
Sn 189.925	-3.3627u	-2.7974u	-6.0029u
Sr 216.596	2001.84	2005.72	2010.17
Ti 334.941	-0.5421	-0.5025	-0.5588
Tl 190.794	-1.9969u	-2.8215u	0.1683
V 292.401	202.240	202.753	201.492
Zn 206.200	2.4509	1.7863	0.9608

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6262b	ppb	0.3716	59.3	-112.013
Al 308.215	-3.8921b	ppb	4.3438	111.6	-33.2499
As 188.980	4.1955b	ppb	4.8962	116.7	-4.6071
B 249.678	571.629b	ppb	0.6870	0.1	6806.08
Ba 389.178	104.428b	ppb	0.9831	0.9	2362.29
Be 313.042	-0.6032b	ppb	0.0053	0.9	-368.483
Ca 370.602	291700b	ppb	541.4	0.2	799093
Cd 226.502	-0.6256b	ppb	0.0005	0.1	22.4116
Co 228.615	0.6131b	ppb	0.4916	80.2	3.9021
Cr 267.716	-0.7187b	ppb	0.2539	35.3	-13.5807
Cu 324.754	3.4723b	ppb	0.3612	10.4	389.740
Fe 271.441	16.4999b	ppb	3.5853	21.7	142.804
K 766.491	221452xb	ppb	311.121	0.1	7030823
Mg 279.078	41515.9b	ppb	27.2782	0.1	82855.1
Mn 257.610	20.3943b	ppb	0.0680	0.3	5396.24
Mo 202.032	17.5859b	ppb	0.3764	2.1	145.931
Na 330.237	39800.9b	ppb	32.6281	0.1	1791.17
Ni 231.604	12.9711b	ppb	0.5547	4.3	28.7575
Pb 220.353	1.9151b	ppb	0.3537	18.5	31.1652
Sb 206.834	0.3150b	ppb	2.7930	886.7	-2.9033
Se 196.026	-3.6440b	ppb	4.7445	130.2	8.7074
Sn 189.925	-4.0543b	ppb	1.7110	42.2	-7.9401
Sr 216.596	2005.91b	ppb	4.1667	0.2	19311.6
Ti 334.941	-0.5345b	ppb	0.0289	5.4	120.672
Tl 190.794	-1.5500b	ppb	1.5442	99.6	-13.8291
V 292.401	202.162b	ppb	0.6344	0.3	5360.38
Zn 206.200	1.7326b	ppb	0.7465	43.1	6.2208

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640-43099-a-4-a (Samp) 4/17/2013, 3:52:00 PM Rack 1, Tube 36

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3925u	-0.7092u	-1.2533u
Al 308.215	15.3002	12.9890	15.9607
As 188.980	1.4934	0.2899	11.1807
B 249.678	936.199	939.482	942.194
Ba 389.178	2.3514	2.0896	4.0164
Be 313.042	-0.5510u	-0.5517u	-0.5403u
Ca 370.602	117714	117768	117883
Cd 226.502	-0.1629u	-0.3707u	-0.6255u
Co 228.615	-0.1026u	-0.0909u	0.6586
Cr 267.716	-0.3711u	-0.6393u	-0.7027u
Cu 324.754	28.5901	29.3683	29.0531
Fe 271.441	25.4222	25.3860	31.4530
K 766.491	160809x	160301x	160184x
Mg 279.078	16930.5	16908.7	16932.9
Mn 257.610	435.392	434.944	435.065
Mo 202.032	3.5672	4.5424	3.8748
Na 330.237	17466.5	17318.9	17217.1
Ni 231.604	5.5780	6.4253	5.7102
Pb 220.353	1.9407	0.3415	0.3575
Sb 206.834	0.7903	-0.0402u	-2.6364u
Se 196.026	1.8807	1.5827	-4.2083u
Sn 189.925	-6.8804u	-6.6599u	-7.2470u
Sr 216.596	639.908	640.648	642.775
Ti 334.941	-0.3527u	-0.3033u	-0.3237u
Tl 190.794	-2.9187u	-2.3820u	0.1669u
V 292.401	24.1374	23.8618	24.3535
Zn 206.200	55.8617	53.2665	55.0207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1184b	ppb	0.3611	32.3	-86.5618
Al 308.215	14.7500b	ppb	1.5604	10.6	8.3279
As 188.980	4.3213b	ppb	5.9708	138.2	-5.9766
B 249.678	939.292b	ppb	3.0023	0.3	11059.2
Ba 389.178	2.8191b	ppb	1.0451	37.1	122.750
Be 313.042	-0.5477b	ppb	0.0064	1.2	-314.115
Ca 370.602	117788b	ppb	86.23	0.1	322693
Cd 226.502	-0.3864b	ppb	0.2317	60.0	30.3724
Co 228.615	0.1550b	ppb	0.4361	281.3	-0.3122
Cr 267.716	-0.5710b	ppb	0.1761	30.8	-7.0161
Cu 324.754	29.0039b	ppb	0.3914	1.3	1718.48
Fe 271.441	27.4204b	ppb	3.4924	12.7	159.339
K 766.491	160431xb	ppb	332.129	0.2	5093605
Mg 279.078	16924.0b	ppb	13.3574	0.1	33790.0
Mn 257.610	435.134b	ppb	0.2319	0.1	101300
Mo 202.032	3.9948b	ppb	0.4986	12.5	49.7932
Na 330.237	17334.2b	ppb	125.424	0.7	811.049
Ni 231.604	5.9045b	ppb	0.4558	7.7	10.6079
Pb 220.353	0.8799b	ppb	0.9187	104.4	29.5112
Sb 206.834	-0.6287b	ppb	1.7876	284.3	-3.6500
Se 196.026	-0.2483b	ppb	3.4327	1382.5	10.3748
Sn 189.925	-6.9291b	ppb	0.2966	4.3	-10.1011
Sr 216.596	641.110b	ppb	1.4885	0.2	6207.68
Ti 334.941	-0.3266b	ppb	0.0248	7.6	74.2776
Tl 190.794	-1.7113b	ppb	1.6485	96.3	-14.6486
V 292.401	24.1176b	ppb	0.2464	1.0	653.547
Zn 206.200	54.7163b	ppb	1.3241	2.4	74.3609

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Cont Calib Verif (CCV) 4/17/2013, 3:57:35 PM Rack 1, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	487.731	483.976	480.998
Al 308.215	4929.28	4923.91	4939.12
As 188.980	472.447	479.609	477.458
B 249.678	521.043	526.656	525.916
Ba 389.178	5094.50	5102.21	5084.61
Be 313.042	512.415	513.982	512.010
Ca 370.602	5026	5088	5205
Cd 226.502	515.007	516.062	516.512
Co 228.615	518.557	521.756	518.052
Cr 267.716	5145.60	5130.36	5142.39
Cu 324.754	5143.25	5143.23	5148.77
Fe 271.441	4993.20	5015.25	5010.60
K 766.491	10056.4	10096.8	10206.0
Mg 279.078	4968.83	4965.82	4994.02
Mn 257.610	5212.29	5209.42	5196.94
Mo 202.032	488.562	491.593	493.641
Na 330.237	7077.08	7475.86	7150.14
Ni 231.604	2601.74	2605.48	2611.63
Pb 220.353	493.167	496.004	496.707
Sb 206.834	926.865	925.895	934.979
Se 196.026	4978.12	4982.17	4989.08
Sn 189.925	4993.98	4978.72	4961.33
Sr 216.596	2512.35	2514.01	2519.89
Ti 334.941	493.799	493.845	492.702
Tl 190.794	5017.81	5032.15	5028.58
V 292.401	4945.51	4960.21	4938.22
Zn 206.200	2582.31	2580.60	2583.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.235	ppb	3.3738	0.7	36444.3	96.84701
Al 308.215	4930.77	ppb	7.7146	0.2	10821.5	98.61542
As 188.980	476.505	ppb	3.6751	0.8	280.327	95.30093
B 249.678	524.538	ppb	3.0498	0.6	6255.05	20.98153Q
Ba 389.178	5093.77	ppb	8.8230	0.2	109324	101.87544
Be 313.042	512.802	ppb	1.0419	0.2	892138	102.56044
Ca 370.602	5106	ppb	91.04	1.8	13895	102.12609
Cd 226.502	515.860	ppb	0.7727	0.1	17545.2	103.17210
Co 228.615	519.455	ppb	2.0091	0.4	5179.51	103.89099
Cr 267.716	5139.45	ppb	8.0375	0.2	158497	102.78899
Cu 324.754	5145.08	ppb	3.1918	0.1	267644	102.90167
Fe 271.441	5006.35	ppb	11.6244	0.2	8415.86	100.12700
K 766.491	10119.7	ppb	77.4247	0.8	321737	101.19746
Mg 279.078	4976.22	ppb	15.4862	0.3	9882.27	99.52448
Mn 257.610	5206.22	ppb	8.1623	0.2	1206170	104.12434
Mo 202.032	491.265	ppb	2.5554	0.5	3499.01	98.25304
Na 330.237	7234.36	ppb	212.310	2.9	350.152	96.45812
Ni 231.604	2606.29	ppb	4.9934	0.2	6689.60	104.25143
Pb 220.353	495.293	ppb	1.8738	0.4	871.991	99.05853
Sb 206.834	929.247	ppb	4.9881	0.5	960.013	92.92467
Se 196.026	4983.13	ppb	5.5427	0.1	2317.84	99.66250
Sn 189.925	4978.01	ppb	16.3363	0.3	3614.73	99.56026
Sr 216.596	2515.42	ppb	3.9607	0.2	24119.0	100.61666
Ti 334.941	493.449	ppb	0.6468	0.1	125974	98.68977
Tl 190.794	5026.18	ppb	7.4639	0.1	4812.45	100.52354
V 292.401	4947.98	ppb	11.2012	0.2	130499	98.95964
Zn 206.200	2582.22	ppb	1.5772	0.1	3311.90	103.28886

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Cont Calib Blank (CCB) 4/17/2013, 4:03:09 PM Rack 1, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0514u	-0.5623u	-0.7575u
Al 308.215	-2.3632u	-2.5508u	1.5946
As 188.980	-1.6511u	2.0176	-2.4585u
B 249.678	12.2311	11.2742	10.3221
Ba 389.178	-0.8419u	-0.9105u	0.3507
Be 313.042	-0.4703u	-0.4281u	-0.3943u
Ca 370.602	12.02	19.38	22.26
Cd 226.502	-0.2395u	-0.3709u	-0.4046u
Co 228.615	-0.5456u	0.1834	0.1149
Cr 267.716	-0.2915u	0.2664	0.2342
Cu 324.754	-0.1706u	0.4151	0.2318
Fe 271.441	-12.7646u	-2.2094u	-13.8581u
K 766.491	18.6959	24.4230	25.5133
Mg 279.078	5.9172	5.2217	6.0175
Mn 257.610	-0.7058u	-0.2486u	0.1932
Mo 202.032	-0.0570u	-0.1953u	0.0472
Na 330.237	-351.754u	-151.242u	13.2723
Ni 231.604	-0.9678u	0.1015	0.4747
Pb 220.353	1.5484	1.7805	-0.5227u
Sb 206.834	6.5145	-1.0193u	-2.2070u
Se 196.026	-8.9455u	-4.1422u	1.2447
Sn 189.925	-2.5291u	0.1535	0.1047
Sr 216.596	-2.6722u	-1.6134u	-2.1603u
Ti 334.941	-0.4169u	-0.3795u	-0.2867u
Tl 190.794	0.6696	2.4618	1.5095
V 292.401	-0.4987u	0.1229	0.5305
Zn 206.200	-0.4682u	-1.1220u	-1.5870u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7904	ppb	0.2462	31.2	-34.2556	-0.79041
Al 308.215	-1.1065	ppb	2.3411	211.6	-26.6176	-1.10650
As 188.980	-0.6973	ppb	2.3856	342.1	-10.0239	-0.69733
B 249.678	11.2758	ppb	0.9545	8.5	323.260	11.27579
Ba 389.178	-0.4672	ppb	0.7092	151.8	11.2200	-0.46721
Be 313.042	-0.4309	ppb	0.0381	8.8	-138.090	-0.43088
Ca 370.602	17.89	ppb	5.277	29.5	66.94	17.88556
Cd 226.502	-0.3384	ppb	0.0872	25.8	31.8049	-0.33836
Co 228.615	-0.0824	ppb	0.4026	488.4	-2.6629	-0.08243
Cr 267.716	0.0697	ppb	0.3132	449.4	11.4919	0.06970
Cu 324.754	0.1588	ppb	0.2996	188.7	219.084	0.15876
Fe 271.441	-9.6107	ppb	6.4330	66.9	98.6232	-9.61072
K 766.491	22.8774	ppb	3.6621	16.0	1195.98	22.87739
Mg 279.078	5.7188	ppb	0.4334	7.6	46.0282	5.71882
Mn 257.610	-0.2537	ppb	0.4495	177.2	368.883	-0.25372
Mo 202.032	-0.0684	ppb	0.1217	177.9	20.9998	-0.06839
Na 330.237	-163.241	ppb	182.809	112.0	48.3440	-163.24144
Ni 231.604	-0.1305	ppb	0.7487	573.7	-4.8934	-0.13052
Pb 220.353	0.9354	ppb	1.2681	135.6	29.5151	0.93541
Sb 206.834	1.0960	ppb	4.7299	431.5	-1.8933	1.09604
Se 196.026	-3.9477	ppb	5.0979	129.1	8.5618	-3.94766
Sn 189.925	-0.7570	ppb	1.5349	202.8	-5.6618	-0.75698
Sr 216.596	-2.1486	ppb	0.5295	24.6	28.1137	-2.14863
Ti 334.941	-0.3610	ppb	0.0670	18.6	-2.8648	-0.36104
Tl 190.794	1.5470	ppb	0.8967	58.0	-10.9114	1.54697
V 292.401	0.0516	ppb	0.5183	1005.1	17.6587	0.05157
Zn 206.200	-1.0590	ppb	0.5620	53.1	-2.6287	-1.05904

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640-43099-a-5-a (Samp) 4/17/2013, 4:08:43 PM Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8599u	-1.0178u	-1.1226u
Al 308.215	49.0140	53.1214	49.4918
As 188.980	12.1690	7.3078	7.4935
B 249.678	210.565	211.329	212.185
Ba 389.178	25.4676	24.1306	24.3121
Be 313.042	-0.5640u	-0.5544u	-0.5553u
Ca 370.602	100172	100128	99952
Cd 226.502	-0.5474u	-0.5338u	-0.5512u
Co 228.615	-0.7876u	-0.7584u	0.0349
Cr 267.716	-0.2732u	-0.6837u	-0.6023u
Cu 324.754	2.9427	3.2071	3.2349
Fe 271.441	1522.90	1524.30	1510.01
K 766.491	43759.7x	43834.4x	43871.9x
Mg 279.078	16286.8	16386.5	16310.3
Mn 257.610	46.0145	46.0499	46.0144
Mo 202.032	0.3980	1.3385	0.6261
Na 330.237	48534.4	48286.1	48472.5
Ni 231.604	2.0523	2.7765	4.9372
Pb 220.353	0.3675	2.3953	1.6739
Sb 206.834	6.3330	6.7687	1.6941
Se 196.026	0.3379	-11.0386u	-5.6092u
Sn 189.925	-4.9790u	-6.3330u	-2.7539u
Sr 216.596	837.811	836.435	838.058
Ti 334.941	0.5740	0.5238	0.5751
Tl 190.794	-0.6366u	-4.0183u	2.0853
V 292.401	6.6612	6.8563	6.7780
Zn 206.200	1684.78	1695.14	1705.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0001b	ppb	0.1322	13.2	-87.9166
Al 308.215	50.5424b	ppb	2.2462	4.4	87.0817
As 188.980	8.9901b	ppb	2.7546	30.6	-3.3035
B 249.678	211.359b	ppb	0.8103	0.4	2636.24
Ba 389.178	24.6368b	ppb	0.7252	2.9	591.208
Be 313.042	-0.5579b	ppb	0.0053	1.0	-334.360
Ca 370.602	100084b	ppb	116.2	0.1	274080
Cd 226.502	-0.5441b	ppb	0.0092	1.7	28.1635
Co 228.615	-0.5037b	ppb	0.4667	92.6	-6.8778
Cr 267.716	-0.5198b	ppb	0.2173	41.8	-5.8641
Cu 324.754	3.1283b	ppb	0.1613	5.2	373.881
Fe 271.441	1519.07b	ppb	7.8782	0.5	2596.36
K 766.491	43822.0xb	ppb	57.1207	0.1	1391669
Mg 279.078	16327.9b	ppb	52.1279	0.3	32606.9
Mn 257.610	46.0262b	ppb	0.0205	0.0	11187.1
Mo 202.032	0.7875b	ppb	0.4906	62.3	26.9874
Na 330.237	48431.0b	ppb	129.233	0.3	2156.44
Ni 231.604	3.2553b	ppb	1.5009	46.1	3.8354
Pb 220.353	1.4789b	ppb	1.0278	69.5	30.4496
Sb 206.834	4.9319b	ppb	2.8125	57.0	1.8979
Se 196.026	-5.4366b	ppb	5.6902	104.7	7.8821
Sn 189.925	-4.6887b	ppb	1.8071	38.5	-8.4697
Sr 216.596	837.435b	ppb	0.8743	0.1	8089.46
Ti 334.941	0.5577b	ppb	0.0293	5.3	295.384
Tl 190.794	-0.8565b	ppb	3.0577	357.0	-13.3598
V 292.401	6.7652b	ppb	0.0982	1.5	194.955
Zn 206.200	1695.07b	ppb	10.2573	0.6	5183.97

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640-43099-a-6-a (Samp) 4/17/2013, 4:14:17 PM Rack 1, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6378u	-1.2873u	-0.8630u
Al 308.215	22.1129	26.9707	16.9935
As 188.980	2.4216	-0.4667	3.5471
B 249.678	966.778	971.699	976.339
Ba 389.178	115.131	115.730	114.705
Be 313.042	-0.5957u	-0.6115u	-0.6042u
Ca 370.602	250434	250904	251702
Cd 226.502	-0.3927	-0.3414	-0.1743
Co 228.615	-0.6249u	0.1602	0.5540
Cr 267.716	-0.4175u	-0.5315u	-0.4685u
Cu 324.754	-0.2570u	-0.2743u	0.2998
Fe 271.441	8020.06	8023.36	8016.27
K 766.491	169523x	169620x	169859x
Mg 279.078	29411.6	29392.5	29382.8
Mn 257.610	168.809	168.609	168.589
Mo 202.032	9.1398	9.2505	9.1626
Na 330.237	28511.8	28524.6	28515.0
Ni 231.604	31.1189	30.4984	30.8239
Pb 220.353	4.8203	2.6881	4.1703
Sb 206.834	0.8517	-0.2379u	1.7770
Se 196.026	-9.5722u	-0.9032u	-2.1867u
Sn 189.925	-5.4080u	-7.1346u	-2.5831u
Sr 216.596	2096.27	2090.85	2090.40
Ti 334.941	0.3422	0.3167	0.3511
Tl 190.794	1.0231	-7.3265u	-2.4431u
V 292.401	3.8365	4.0553	4.5493
Zn 206.200	24.7529	23.6162	23.3787

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9294b	ppb	0.3298	35.5	-139.550
Al 308.215	22.0257b	ppb	4.9892	22.7	24.7443
As 188.980	1.8340b	ppb	2.0704	112.9	-6.4577
B 249.678	971.605b	ppb	4.7810	0.5	11423.8
Ba 389.178	115.189b	ppb	0.5146	0.4	2573.91
Be 313.042	-0.6038b	ppb	0.0079	1.3	-370.999
Ca 370.602	251013b	ppb	640.9	0.3	687078
Cd 226.502	-0.3028b	ppb	0.1142	37.7	50.9611
Co 228.615	0.0298b	ppb	0.6002	2016.6	-1.9213
Cr 267.716	-0.4725b	ppb	0.0571	12.1	-3.2597
Cu 324.754	-0.0772b	ppb	0.3266	423.2	209.513
Fe 271.441	8019.90b	ppb	3.5459	0.0	13218.3
K 766.491	169667xb	ppb	173.362	0.1	5386819
Mg 279.078	29395.7b	ppb	14.6736	0.0	58675.3
Mn 257.610	168.669b	ppb	0.1215	0.1	39685.8
Mo 202.032	9.1843b	ppb	0.0585	0.6	86.2718
Na 330.237	28517.1b	ppb	6.6574	0.0	1296.90
Ni 231.604	30.8138b	ppb	0.3104	1.0	74.7476
Pb 220.353	3.8929b	ppb	1.0928	28.1	34.5796
Sb 206.834	0.7969b	ppb	1.0085	126.6	-2.1399
Se 196.026	-4.2207b	ppb	4.6788	110.9	8.4674
Sn 189.925	-5.0419b	ppb	2.2977	45.6	-8.6765
Sr 216.596	2092.51b	ppb	3.2700	0.2	20141.3
Ti 334.941	0.3367b	ppb	0.0179	5.3	294.695
Tl 190.794	-2.9155b	ppb	4.1948	143.9	-15.8373
V 292.401	4.1470b	ppb	0.3651	8.8	124.439
Zn 206.200	23.9159b	ppb	0.7345	3.1	34.7498

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640-43099-a-7-a (Samp) 4/17/2013, 4:19:51 PM Rack 1, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9216u	-0.5173u	-0.8994u
Al 308.215	8.9918	7.1219	10.5594
As 188.980	-1.4505	-0.2240	-0.3826
B 249.678	833.435	836.090	841.326
Ba 389.178	98.0055	98.4965	97.1172
Be 313.042	-0.6076u	-0.5921u	-0.5983u
Ca 370.602	252382	252554	253363
Cd 226.502	-0.4166u	-0.5346u	-0.5918u
Co 228.615	0.0583	-0.9816u	-0.6241u
Cr 267.716	-0.4843u	-0.7506u	-0.5603u
Cu 324.754	-0.7749u	-0.5410u	-0.5588u
Fe 271.441	3388.22	3377.96	3380.21
K 766.491	79771.1x	79585.4x	79902.0x
Mg 279.078	22025.4	21999.3	22006.8
Mn 257.610	193.947	193.698	193.577
Mo 202.032	14.2902	14.6295	13.9947
Na 330.237	37126.6	36968.3	37213.9
Ni 231.604	16.4081	15.6596	15.6695
Pb 220.353	5.9191	1.2676	2.7961
Sb 206.834	0.9926	-0.1339u	-0.8905u
Se 196.026	6.5845	-3.5242u	-8.9256u
Sn 189.925	-5.4508u	-3.1274u	-3.2498u
Sr 216.596	1913.18	1905.90	1908.67
Ti 334.941	0.0771	0.1295	0.1836
Tl 190.794	-2.1140u	-1.1415u	-1.9927u
V 292.401	7.2324	6.5415	6.9363
Zn 206.200	45.1494	45.6942	45.2858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7794b	ppb	0.2273	29.2	-119.766
Al 308.215	8.8910b	ppb	1.7210	19.4	-3.9341
As 188.980	-0.6857b	ppb	0.6671	97.3	-7.9282
B 249.678	836.950b	ppb	4.0152	0.5	9871.27
Ba 389.178	97.8731b	ppb	0.6991	0.7	2178.50
Be 313.042	-0.5993b	ppb	0.0078	1.3	-359.729
Ca 370.602	252766b	ppb	524.1	0.2	692207
Cd 226.502	-0.5143b	ppb	0.0893	17.4	33.4086
Co 228.615	-0.5158b	ppb	0.5283	102.4	-7.4257
Cr 267.716	-0.5984b	ppb	0.1372	22.9	-7.7026
Cu 324.754	-0.6249b	ppb	0.1302	20.8	179.724
Fe 271.441	3382.13b	ppb	5.3912	0.2	5640.52
K 766.491	79752.8xb	ppb	159.047	0.2	2532348
Mg 279.078	22010.5b	ppb	13.4412	0.1	43941.4
Mn 257.610	193.740b	ppb	0.1887	0.1	45436.2
Mo 202.032	14.3048b	ppb	0.3177	2.2	122.839
Na 330.237	37103.0b	ppb	124.495	0.3	1672.38
Ni 231.604	15.9124b	ppb	0.4293	2.7	36.3805
Pb 220.353	3.3276b	ppb	2.3708	71.2	33.6151
Sb 206.834	-0.0106b	ppb	0.9476	8966.9	-3.1054
Se 196.026	-1.9551b	ppb	7.8732	402.7	9.5260
Sn 189.925	-3.9427b	ppb	1.3075	33.2	-7.8738
Sr 216.596	1909.25b	ppb	3.6751	0.2	18382.4
Ti 334.941	0.1301b	ppb	0.0532	40.9	210.570
Tl 190.794	-1.7494b	ppb	0.5299	30.3	-14.5235
V 292.401	6.9034b	ppb	0.3466	5.0	196.247
Zn 206.200	45.3765b	ppb	0.2835	0.6	623497

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640-43099-a-8-a (Samp) 4/17/2013, 4:25:26 PM Rack 1, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7205u	-0.5963u	-0.8277u
Al 308.215	10.6036	15.3342	16.3267
As 188.980	-0.5308	-6.6928u	-3.5006
B 249.678	1026.17	1030.59	1036.24
Ba 389.178	81.3988	81.6706	81.0663
Be 313.042	-0.6106u	-0.6056u	-0.6050u
Ca 370.602	352507	353703	352118
Cd 226.502	-0.2800u	-0.1742u	-0.2047u
Co 228.615	1.1093	1.3462	0.7735
Cr 267.716	-0.9450u	-0.7781u	-0.8356u
Cu 324.754	11.0094	11.2122	11.8154
Fe 271.441	33.5027	45.1282	38.6308
K 766.491	245078x	245480x	245594x
Mg 279.078	39388.1	39397.4	39401.6
Mn 257.610	32.5237	32.6933	32.5168
Mo 202.032	5.8891	4.7304	4.6877
Na 330.237	59727.4	59591.8	59602.1
Ni 231.604	26.7869	29.0329	28.2783
Pb 220.353	4.7236	2.1230	1.8821
Sb 206.834	9.9026	4.7557	7.6742
Se 196.026	-3.8981u	-5.7244u	-4.3746u
Sn 189.925	-3.4995u	-4.7746u	-8.1668u
Sr 216.596	2578.19	2582.42	2583.93
Ti 334.941	-0.5490	-0.4192	-0.4639
Tl 190.794	-4.1135u	-1.1618u	-3.4920u
V 292.401	9.3088	9.3477	8.8749
Zn 206.200	154.862	155.935	151.819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7148b	ppb	0.1158	16.2	-146.547
Al 308.215	14.0882b	ppb	3.0583	21.7	7.0279
As 188.980	-3.5747b	ppb	3.0816	86.2	-8.8212
B 249.678	1031.00b	ppb	5.0495	0.5	12120.3
Ba 389.178	81.3785b	ppb	0.3027	0.4	1862.19
Be 313.042	-0.6070b	ppb	0.0031	0.5	-350.243
Ca 370.602	352776b	ppb	826.2	0.2	966402
Cd 226.502	-0.2196b	ppb	0.0545	24.8	36.1001
Co 228.615	1.0763b	ppb	0.2878	26.7	8.8841
Cr 267.716	-0.8529b	ppb	0.0848	9.9	-16.2817
Cu 324.754	11.3457b	ppb	0.4193	3.7	800.705
Fe 271.441	39.0872b	ppb	5.8262	14.9	178.407
K 766.491	245384xb	ppb	270.746	0.1	7790566
Mg 279.078	39395.7b	ppb	6.8899	0.0	78625.3
Mn 257.610	32.5780b	ppb	0.1000	0.3	8206.01
Mo 202.032	5.1024b	ppb	0.6816	13.4	57.6815
Na 330.237	59640.4b	ppb	75.5016	0.1	2655.41
Ni 231.604	28.0327b	ppb	1.1430	4.1	67.4427
Pb 220.353	2.9096b	ppb	1.5756	54.2	32.8794
Sb 206.834	7.4442b	ppb	2.5811	34.7	4.2786
Se 196.026	-4.6657b	ppb	0.9473	20.3	8.2373
Sn 189.925	-5.4803b	ppb	2.4123	44.0	-8.9487
Sr 216.596	2581.51b	ppb	2.9725	0.1	24837.5
Ti 334.941	-0.4774b	ppb	0.0659	13.8	125.067
Tl 190.794	-2.9224b	ppb	1.5561	53.2	-15.2536
V 292.401	9.1771b	ppb	0.2625	2.9	258.151
Zn 206.200	154.205b	ppb	2.1351	1.4	202.311

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640-43099-a-9-a (Samp) 4/17/2013, 4:31:01 PM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2063u	-0.5264u	-0.4214u
Al 308.215	24.8065	24.0432	23.5430
As 188.980	-2.8481	-10.5220u	-4.8263
B 249.678	2436.47	2449.42	2463.34
Ba 389.178	182.254	182.468	182.469
Be 313.042	-0.6987u	-0.6920u	-0.7012u
Ca 370.602	757049	766079	765206
Cd 226.502	0.3264	0.4348	0.4237
Co 228.615	4.3421	3.9839	3.4636
Cr 267.716	-0.9882u	-0.5268u	-0.7349u
Cu 324.754	52.2151	51.5623	51.8741
Fe 271.441	598.087	594.311	588.993
K 766.491	551195x	550554x	551720x
Mg 279.078	90478.2	90520.1	90778.1
Mn 257.610	513.335	513.292	514.320
Mo 202.032	21.0146	21.2090	20.9079
Na 330.237	92778.2	93012.5	93026.0
Ni 231.604	193.856	193.482	192.345
Pb 220.353	4.1898	2.8920	1.7458
Sb 206.834	2.5174	6.1660	0.8188
Se 196.026	-4.9214u	-1.0140u	-10.5795u
Sn 189.925	-5.9712u	-8.0879u	-11.1255u
Sr 216.596	5250.66	5274.24	5294.02
Ti 334.941	-0.4095	-0.4264	-0.3771
Tl 190.794	-5.4831u	3.1656	-4.2191u
V 292.401	44.3266	44.2266	44.5281
Zn 206.200	141.725	144.152	142.554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3847b	ppb	0.1632	42.4	-244.191
Al 308.215	24.1309b	ppb	0.6363	2.6	29.7052
As 188.980	-6.0655b	ppb	3.9842	65.7	-6.9158
B 249.678	2449.74b	ppb	13.4342	0.5	28532.9
Ba 389.178	182.397b	ppb	0.1240	0.1	4153.85
Be 313.042	-0.6973b	ppb	0.0048	0.7	-397.750
Ca 370.602	762778b	ppb	4981	0.7	2089523
Cd 226.502	0.3950b	ppb	0.0596	15.1	58.5920
Co 228.615	3.9298b	ppb	0.4417	11.2	37.0252
Cr 267.716	-0.7500b	ppb	0.2311	30.8	-11.5482
Cu 324.754	51.8839b	ppb	0.3265	0.6	2908.36
Fe 271.441	593.797b	ppb	4.5688	0.8	1085.40
K 766.491	551156xb	ppb	584.056	0.1	17497788
Mg 279.078	90592.2b	ppb	162.425	0.2	180751
Mn 257.610	513.649b	ppb	0.5818	0.1	119921
Mo 202.032	21.0439b	ppb	0.1527	0.7	170.738
Na 330.237	92938.9b	ppb	139.338	0.1	4107.50
Ni 231.604	193.228b	ppb	0.7868	0.4	491.745
Pb 220.353	2.9426b	ppb	1.2228	41.6	33.0193
Sb 206.834	3.1674b	ppb	2.7322	86.3	-0.1337
Se 196.026	-5.5050b	ppb	4.8094	87.4	7.9600
Sn 189.925	-8.3949b	ppb	2.5908	30.9	-10.9070
Sr 216.596	5272.98b	ppb	21.7080	0.4	50683.6
Ti 334.941	-0.4043b	ppb	0.0251	6.2	351.718
Tl 190.794	-2.1789b	ppb	4.6714	214.4	-15.2348
V 292.401	44.3604b	ppb	0.1536	0.3	1186.10
Zn 206.200	142.810b	ppb	1.2337	0.8	187.657

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640-43099-a-10-a (Samp) 4/17/2013, 4:36:36 PM Rack 1, Tube 44

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3537u	-0.1468u	-0.5016u
Al 308.215	23.9208	29.5549	22.4191
As 188.980	-3.4224	-7.9116	5.2012
B 249.678	2467.59	2476.73	2484.60
Ba 389.178	184.254	184.336	185.149
Be 313.042	-0.6954u	-0.6998u	-0.6960u
Ca 370.602	763871	767098	769597
Cd 226.502	0.3622	0.2960	0.2721
Co 228.615	3.3878	3.8163	3.1389
Cr 267.716	-0.5012u	-1.1153u	-0.8366u
Cu 324.754	52.3246	52.2883	52.4038
Fe 271.441	587.235	596.964	588.695
K 766.491	554577x	549823x	551784x
Mg 279.078	91036.7	90917.7	91002.4
Mn 257.610	518.666	518.156	518.476
Mo 202.032	20.9767	20.3450	20.8400
Na 330.237	92865.9	93038.7	92877.3
Ni 231.604	195.687	196.378	194.810
Pb 220.353	2.8782	2.5743	7.6642
Sb 206.834	9.8901	7.5999	4.1656
Se 196.026	-15.1440u	1.2035	0.0145
Sn 189.925	-4.3292u	-7.8610u	-4.6255u
Sr 216.596	5290.50	5302.33	5315.31
Ti 334.941	-0.3652	-0.2299	-0.3034
Tl 190.794	-4.6332u	-4.5543u	-8.0946u
V 292.401	44.8880	44.9212	43.8987
Zn 206.200	141.690	140.022	139.475

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3341b	ppb	0.1782	53.4	-241.864
Al 308.215	25.2983b	ppb	3.7620	14.9	32.2579
As 188.980	-2.0443b	ppb	6.6642	326.0	-4.4210
B 249.678	2476.30b	ppb	8.5127	0.3	28840.2
Ba 389.178	184.579b	ppb	0.4949	0.3	4201.72
Be 313.042	-0.6971b	ppb	0.0024	0.3	-395.546
Ca 370.602	766856b	ppb	2871	0.4	2100694
Cd 226.502	0.3101b	ppb	0.0467	15.1	55.7166
Co 228.615	3.4477b	ppb	0.3427	9.9	32.2353
Cr 267.716	-0.8177b	ppb	0.3075	37.6	-13.6254
Cu 324.754	52.3389b	ppb	0.0591	0.1	2932.01
Fe 271.441	590.965b	ppb	5.2466	0.9	1080.78
K 766.491	552061xb	ppb	2389.02	0.4	17526518
Mg 279.078	90985.6b	ppb	61.2416	0.1	181536
Mn 257.610	518.432b	ppb	0.2578	0.0	121032
Mo 202.032	20.7206b	ppb	0.3324	1.6	168.443
Na 330.237	92927.3b	ppb	96.6421	0.1	4107.00
Ni 231.604	195.625b	ppb	0.7857	0.4	497.901
Pb 220.353	4.3722b	ppb	2.8550	65.3	35.4571
Sb 206.834	7.2185b	ppb	2.8812	39.9	3.8564
Se 196.026	-4.6420b	ppb	9.1144	196.3	8.3605
Sn 189.925	-5.6052b	ppb	1.9592	35.0	-8.8764
Sr 216.596	5302.71b	ppb	12.4076	0.2	50969.2
Ti 334.941	-0.2995b	ppb	0.0677	22.6	380.247
Tl 190.794	-5.7607b	ppb	2.0216	35.1	-18.6832
V 292.401	44.5693b	ppb	0.5810	1.3	1191.69
Zn 206.200	140.396b	ppb	1.1539	0.8	184.552

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640-43099-a-11-a (Samp) 4/17/2013, 4:42:11 PM Rack 1, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1291u	-1.0187u	-0.7971u
Al 308.215	-1.4792u	-2.5372u	1.2195
As 188.980	-0.4212u	-6.8023u	1.2904
B 249.678	50.1243	46.2255	43.8536
Ba 389.178	-1.3048u	-2.2314u	-1.2289u
Be 313.042	-0.5455u	-0.5396u	-0.5235u
Ca 370.602	608.3	710.1	1135
Cd 226.502	-0.4976u	-0.4720u	-0.3580u
Co 228.615	-0.6072u	-0.6191u	-0.6546u
Cr 267.716	-1.2725u	-1.1682u	-0.7730u
Cu 324.754	-0.9021u	-0.9526u	-1.0781u
Fe 271.441	-13.8718u	-3.0885u	-2.0459u
K 766.491	772.342	708.511	1171.26
Mg 279.078	68.9925	82.4403	131.606
Mn 257.610	-0.9681u	-0.7647u	-0.1895u
Mo 202.032	-1.1887u	-0.2360u	-0.7766u
Na 330.237	369.393	322.200	307.355
Ni 231.604	-0.2031u	0.1600	0.5323
Pb 220.353	1.1633	2.7095	-1.2540u
Sb 206.834	0.9726	1.0992	2.3255
Se 196.026	-11.4960u	-0.3287u	-4.0794u
Sn 189.925	-4.6840u	-4.1868u	-4.7937u
Sr 216.596	1.3682	2.4578	5.0346
Ti 334.941	-0.5380u	-0.4819u	-0.4561u
Tl 190.794	-3.2949u	-5.4437u	-2.6433u
V 292.401	-0.8701u	-0.8858u	-0.4321u
Zn 206.200	-0.6846u	-1.0628u	-1.2716u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9816	ppb	0.1691	17.2	-48.8815
Al 308.215	-0.9323	ppb	1.9371	207.8	-26.2688
As 188.980	-1.9777	ppb	4.2650	215.6	-10.7964
B 249.678	46.7345	ppb	3.1662	6.8	733.458
Ba 389.178	-1.5884	ppb	0.5582	35.1	-12.6154
Be 313.042	-0.5362	ppb	0.0114	2.1	-320.905
Ca 370.602	817.7	ppb	279.2	34.1	2258
Cd 226.502	-0.4425	ppb	0.0743	16.8	28.2818
Co 228.615	-0.6270	ppb	0.0247	3.9	-8.0684
Cr 267.716	-1.0712	ppb	0.2635	24.6	-23.6866
Cu 324.754	-0.9776	ppb	0.0906	9.3	159.997
Fe 271.441	-6.3354	ppb	6.5475	103.3	103.899
K 766.491	884.037	ppb	250.780	28.4	28534.8
Mg 279.078	94.3462	ppb	32.9608	34.9	222.838
Mn 257.610	-0.6408	ppb	0.4038	63.0	279.784
Mo 202.032	-0.7338	ppb	0.4778	65.1	16.2781
Na 330.237	332.983	ppb	32.3941	9.7	69.9844
Ni 231.604	0.1631	ppb	0.3677	225.5	-4.1393
Pb 220.353	0.8729	ppb	1.9977	228.8	29.4098
Sb 206.834	1.4658	ppb	0.7472	51.0	-1.5308
Se 196.026	-5.3014	ppb	5.6830	107.2	7.9352
Sn 189.925	-4.5548	ppb	0.3234	7.1	-8.4230
Sr 216.596	2.9535	ppb	1.8828	63.7	77.1358
Ti 334.941	-0.4920	ppb	0.0419	8.5	-35.9241
Tl 190.794	-3.7940	ppb	1.4654	38.6	-16.0439
V 292.401	-0.7293	ppb	0.2575	35.3	-2.7813
Zn 206.200	-1.0064	ppb	0.2975	29.6	-2.6994

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

640-43136-e-7-b (Samp) 4/17/2013, 4:47:47 PM Rack 1, Tube 46
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5775u	-0.9139u	-0.9040u
Al 308.215	2.4299	0.0985	0.5494
As 188.980	0.7320	-5.5165u	-6.0002u
B 249.678	20.5243	19.4230	18.1168
Ba 389.178	-2.1194u	-2.5402u	-2.1426u
Be 313.042	-0.5261u	-0.5324u	-0.5316u
Ca 370.602	164.8	174.9	176.6
Cd 226.502	-0.5873u	-0.5558u	-0.4432u
Co 228.615	0.1453	-0.7282u	-1.2001u
Cr 267.716	-0.6418u	-1.0957u	-1.1994u
Cu 324.754	0.3592	0.4443	0.4340
Fe 271.441	-11.1003u	-5.2079u	-6.0810u
K 766.491	46.0200	54.3741	58.4576
Mg 279.078	8.1095	12.9943	10.7894
Mn 257.610	-1.5157u	-1.5039u	-1.5052u
Mo 202.032	-0.9756u	-0.6563u	-1.1948u
Na 330.237	327.953	484.281	663.159
Ni 231.604	-1.7031u	-1.6112u	0.9081
Pb 220.353	0.0257	1.9650	3.6105
Sb 206.834	-2.2185u	-5.2312u	-2.8140u
Se 196.026	-4.0965u	-2.3986u	-12.1203u
Sn 189.925	-4.3580u	-2.3841u	-0.8985u
Sr 216.596	-2.0433u	-2.9916u	-2.3732u
Ti 334.941	-0.4825u	-0.4542u	-0.5003u
Tl 190.794	0.4267	0.3189	1.9414
V 292.401	-1.0322u	-1.2031u	-0.8945u
Zn 206.200	-2.4642u	-2.2546u	-1.8836u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7985	ppb	0.1914	24.0	-34.8414
Al 308.215	1.0259	ppb	1.2366	120.5	-21.9586
As 188.980	-3.5949	ppb	3.7550	104.5	-11.7862
B 249.678	19.3547	ppb	1.2052	6.2	416.718
Ba 389.178	-2.2674	ppb	0.2365	10.4	-27.3893
Be 313.042	-0.5300	ppb	0.0034	0.6	-310.360
Ca 370.602	172.1	ppb	6.393	3.7	489.3
Cd 226.502	-0.5288	ppb	0.0757	14.3	25.3500
Co 228.615	-0.5943	ppb	0.6826	114.9	-7.7420
Cr 267.716	-0.9789	ppb	0.2966	30.3	-20.8387
Cu 324.754	0.4125	ppb	0.0465	11.3	232.263
Fe 271.441	-7.4631	ppb	3.1800	42.6	102.009
K 766.491	52.9506	ppb	6.3398	12.0	2150.70
Mg 279.078	10.6311	ppb	2.4462	23.0	55.8470
Mn 257.610	-1.5083	ppb	0.0065	0.4	78.3764
Mo 202.032	-0.9422	ppb	0.2708	28.7	14.7994
Na 330.237	491.797	ppb	167.729	34.1	76.9184
Ni 231.604	-0.8021	ppb	1.4818	184.7	-6.6182
Pb 220.353	1.8671	ppb	1.7944	96.1	31.1040
Sb 206.834	-3.4212	ppb	1.5955	46.6	-6.3396
Se 196.026	-6.2051	ppb	5.1925	83.7	7.5168
Sn 189.925	-2.5469	ppb	1.7355	68.1	-6.9631
Sr 216.596	-2.4694	ppb	0.4814	19.5	25.0822
Ti 334.941	-0.4790	ppb	0.0233	4.9	-32.9648
Tl 190.794	0.8957	ppb	0.9072	101.3	-11.5362
V 292.401	-1.0432	ppb	0.1546	14.8	-11.0806
Zn 206.200	-2.2008	ppb	0.2940	13.4	-515.1631

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43136-c-8-d (Samp) 4/17/2013, 4:53:23 PM Rack 1, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0461u	-0.7283u	-0.6851u
Al 308.215	1135.82	1144.11	1133.59
As 188.980	-1.2231u	2.2954	-4.2207u
B 249.678	16.8818	15.7509	15.4252
Ba 389.178	7.2732	7.9245	7.1211
Be 313.042	-0.5218u	-0.5328u	-0.5090u
Ca 370.602	1965	1988	2074
Cd 226.502	-0.4586u	-0.4132u	-0.4987u
Co 228.615	0.6833	-0.9117u	-0.2615u
Cr 267.716	0.9569	0.5659	0.6699
Cu 324.754	2.8045	2.9542	3.1998
Fe 271.441	1050.97	1053.14	1056.26
K 766.491	1121.58	1146.12	1238.14
Mg 279.078	811.415	820.552	827.772
Mn 257.610	2.5223	2.5697	2.9271
Mo 202.032	-0.7375u	-0.4633u	-0.2072u
Na 330.237	890.116	982.929	866.056
Ni 231.604	-1.3044u	-1.1544u	-0.0855u
Pb 220.353	-0.0864u	1.8595	2.6231
Sb 206.834	-0.9306u	-2.7301u	-3.0941u
Se 196.026	2.0514	-7.6717u	-4.1939u
Sn 189.925	-5.8322u	-9.1395u	-1.8711u
Sr 216.596	13.1638	14.1219	14.3585
Ti 334.941	10.9961	11.1574	10.9954
Tl 190.794	-0.2250u	-0.7723u	0.0093u
V 292.401	3.3111	2.6679	3.2440
Zn 206.200	9.3098	8.1247	7.5377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8198	ppb	0.1971	24.0	-37.1419
Al 308.215	1137.84	ppb	5.5412	0.5	2480.62
As 188.980	-1.0495	ppb	3.2615	310.8	-10.2322
B 249.678	16.0193	ppb	0.7645	4.8	376.911
Ba 389.178	7.4396	ppb	0.4267	5.7	184.206
Be 313.042	-0.5212	ppb	0.0119	2.3	-294.680
Ca 370.602	2009	ppb	57.59	2.9	5448
Cd 226.502	-0.4569	ppb	0.0428	9.4	30.1404
Co 228.615	-0.1633	ppb	0.8020	491.2	-3.2289
Cr 267.716	0.7309	ppb	0.2025	27.7	32.0667
Cu 324.754	2.9862	ppb	0.1996	6.7	366.352
Fe 271.441	1053.46	ppb	2.6600	0.3	1835.63
K 766.491	1168.61	ppb	61.4482	5.3	37569.1
Mg 279.078	819.913	ppb	8.1972	1.0	1670.12
Mn 257.610	2.6730	ppb	0.2213	8.3	1054.36
Mo 202.032	-0.4693	ppb	0.2652	56.5	18.0962
Na 330.237	913.034	ppb	61.7152	6.8	94.8766
Ni 231.604	-0.8481	ppb	0.6647	78.4	-6.7145
Pb 220.353	1.4654	ppb	1.3971	95.3	30.4059
Sb 206.834	-2.2516	ppb	1.1584	51.4	-5.1535
Se 196.026	-3.2714	ppb	4.9268	150.6	8.8745
Sn 189.925	-5.6143	ppb	3.6391	64.8	-9.1928
Sr 216.596	13.8814	ppb	0.6326	4.6	182.425
Ti 334.941	11.0496	ppb	0.0933	0.8	2911.11
Tl 190.794	-0.3293	ppb	0.4011	121.8	-12.7695
V 292.401	3.0743	ppb	0.3536	11.5	97.8096
Zn 206.200	8.3240	ppb	0.9927	10.8	14.6942

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43112-d-1-d (Samp) 4/17/2013, 4:58:59 PM Rack 1, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9942u	-0.8188u	-0.7749u
Al 308.215	120.097	121.863	116.690
As 188.980	-1.7643u	-0.0342	2.0862
B 249.678	1080.61	1086.78	1094.05
Ba 389.178	82.6040	82.2801	82.6732
Be 313.042	-0.5727u	-0.5723u	-0.5800u
Ca 370.602	99143	99052	98878
Cd 226.502	-0.2170	-0.0943	-0.2179
Co 228.615	1.0205	1.1027	0.4188
Cr 267.716	-0.2107u	0.2100	0.1386
Cu 324.754	-0.7276u	-0.9566u	-0.8770u
Fe 271.441	13969.7	13957.9	13950.4
K 766.491	36934.0	36952.9	37125.2
Mg 279.078	32858.3	32886.2	32818.8
Mn 257.610	305.388	305.405	305.216
Mo 202.032	-0.2280u	0.1866	-0.4692u
Na 330.237	63668.6	63790.7	64133.9
Ni 231.604	2.6404	3.2987	2.0883
Pb 220.353	1.9000	3.1501	1.8049
Sb 206.834	3.0049	-3.2187u	-6.1678u
Se 196.026	-5.3779u	3.2045	-9.1108u
Sn 189.925	-9.3797u	-5.5619u	-5.1442u
Sr 216.596	590.141	589.974	589.372
Ti 334.941	0.0599	0.1282	0.0515
Tl 190.794	-0.1965u	-2.7547u	-6.1253u
V 292.401	-1.3225u	-0.9002u	-0.8030u
Zn 206.200	0.8192	-0.3036u	0.8451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8626	ppb	0.1160	13.4	-65.5852
Al 308.215	119.550	ppb	2.6297	2.2	238.986
As 188.980	0.0959	ppb	1.9286	2010.6	-8.8513
B 249.678	1087.14	ppb	6.7267	0.6	12753.3
Ba 389.178	82.5191	ppb	0.2098	0.3	1889.12
Be 313.042	-0.5750	ppb	0.0043	0.8	-366.316
Ca 370.602	99024	ppb	134.4	0.1	270312
Cd 226.502	-0.1764	ppb	0.0711	40.3	68.2552
Co 228.615	0.8473	ppb	0.3734	44.1	6.2377
Cr 267.716	0.0460	ppb	0.2251	489.9	14.4211
Cu 324.754	-0.8537	ppb	0.1163	13.6	170.755
Fe 271.441	13959.3	ppb	9.7222	0.1	22923.0
K 766.491	37004.0	ppb	105.374	0.3	1175220
Mg 279.078	32854.4	ppb	33.8989	0.1	65574.2
Mn 257.610	305.337	ppb	0.1049	0.0	71370.5
Mo 202.032	-0.1702	ppb	0.3317	194.9	19.5932
Na 330.237	63864.4	ppb	241.238	0.4	2837.05
Ni 231.604	2.6758	ppb	0.6060	22.6	2.5981
Pb 220.353	2.2850	ppb	0.7507	32.9	31.8819
Sb 206.834	-2.1272	ppb	4.6828	220.1	-4.7513
Se 196.026	-3.7614	ppb	6.3147	167.9	8.7062
Sn 189.925	-6.6953	ppb	2.3341	34.9	-9.9251
Sr 216.596	589.829	ppb	0.4042	0.1	5719.36
Ti 334.941	0.0799	ppb	0.0421	52.7	241.564
Tl 190.794	-3.0255	ppb	2.9737	98.3	-16.4272
V 292.401	-1.0086	ppb	0.2761	27.4	-10.3745
Zn 206.200	0.4535	ppb	0.6558	144.6	-4.5742

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Cont Calib Verif (CCV) 4/17/2013, 5:04:34 PM Rack 1, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	482.047	479.102	484.134
Al 308.215	4882.98	4889.90	4897.94
As 188.980	475.344	479.105	475.409
B 249.678	517.675	521.777	524.228
Ba 389.178	5073.74	5088.91	5090.00
Be 313.042	511.139	513.728	512.112
Ca 370.602	4955	4976	4993
Cd 226.502	513.334	514.968	514.938
Co 228.615	517.999	518.687	518.327
Cr 267.716	5130.82	5134.71	5139.62
Cu 324.754	5156.70	5124.82	5247.79
Fe 271.441	4916.89	4949.17	4939.94
K 766.491	9893.57	9941.78	9958.48
Mg 279.078	4947.23	4956.16	4959.75
Mn 257.610	5169.79	5194.45	5207.94
Mo 202.032	489.230	491.458	491.046
Na 330.237	7219.35	7274.98	7071.30
Ni 231.604	2601.15	2607.63	2602.70
Pb 220.353	494.188	499.742	502.027
Sb 206.834	924.953	918.713	912.907
Se 196.026	4947.88	4980.59	4975.60
Sn 189.925	4961.43	5036.98	4998.74
Sr 216.596	2511.85	2517.46	2517.56
Ti 334.941	490.747	491.929	492.852
Tl 190.794	5009.24	5020.89	5028.03
V 292.401	4918.18	4935.19	4938.84
Zn 206.200	2576.61	2583.36	2580.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.761	ppb	2.5281	0.5	36258.3	96.35218
Al 308.215	4890.27	ppb	7.4876	0.2	10732.4	97.80543
As 188.980	476.620	ppb	2.1530	0.5	280.396	95.32390
B 249.678	521.227	ppb	3.3112	0.6	6216.82	20.84906Q
Ba 389.178	5084.21	ppb	9.0887	0.2	109119	101.68429
Be 313.042	512.326	ppb	1.3076	0.3	891312	102.46527
Ca 370.602	4974	ppb	18.76	0.4	13538	99.48985
Cd 226.502	514.414	ppb	0.9350	0.2	17496.0	102.88271
Co 228.615	518.338	ppb	0.3440	0.1	5168.35	103.66750
Cr 267.716	5135.05	ppb	4.4098	0.1	158362	102.70100
Cu 324.754	5176.43	ppb	63.8155	1.2	269274	103.52867
Fe 271.441	4935.33	ppb	16.6300	0.3	8299.82	98.70669
K 766.491	9931.28	ppb	33.7038	0.3	315754	99.31277
Mg 279.078	4954.38	ppb	6.4487	0.1	9838.92	99.08758
Mn 257.610	5190.73	ppb	19.3474	0.4	1202583	103.81456
Mo 202.032	490.578	ppb	1.1852	0.2	3494.17	98.11563
Na 330.237	7188.54	ppb	105.272	1.5	348.195	95.84725
Ni 231.604	2603.83	ppb	3.3818	0.1	6683.29	104.15315
Pb 220.353	498.653	ppb	4.0314	0.8	877.716	99.73054
Sb 206.834	918.857	ppb	6.0243	0.7	949.714	91.88575
Se 196.026	4968.02	ppb	17.6214	0.4	2310.84	99.36049
Sn 189.925	4999.05	ppb	37.7759	0.8	3630.03	99.98105
Sr 216.596	2515.63	ppb	3.2702	0.1	24121.1	100.62502
Ti 334.941	491.843	ppb	1.0553	0.2	125565	98.36855
Tl 190.794	5019.39	ppb	9.4831	0.2	4805.94	100.38776
V 292.401	4930.74	ppb	11.0228	0.2	130043	98.61474
Zn 206.200	2580.09	ppb	3.3776	0.1	3309.18	103.20364

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 5:10:08 PM Rack 1, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0849u	-1.0623u	-0.6071u
Al 308.215	0.4342	-3.9160u	3.7112
As 188.980	-0.2387u	2.7801	1.6808
B 249.678	10.9128	10.6880	8.9228
Ba 389.178	-1.8671u	-1.5908u	-1.6869u
Be 313.042	-0.5215u	-0.5050u	-0.4936u
Ca 370.602	-2.102u	-0.1643	9.937
Cd 226.502	-0.3959u	-0.3992u	-0.2122u
Co 228.615	-0.5687u	-0.5286u	-0.4601u
Cr 267.716	-0.9912u	-0.8529u	-0.3897u
Cu 324.754	-0.5089u	-0.8754u	-0.4331u
Fe 271.441	-13.7648u	-9.2704u	-13.4881u
K 766.491	0.2276	2.8447	4.8005
Mg 279.078	0.6304	-2.4007u	2.2293
Mn 257.610	-1.3358u	-1.2638u	-0.9730u
Mo 202.032	-0.4239u	-0.8131u	-0.7474u
Na 330.237	-46.3728u	14.9458	72.0227
Ni 231.604	-1.0747u	-1.4820u	-1.3556u
Pb 220.353	1.5678	1.0349	-0.4443u
Sb 206.834	0.6037	-2.4799u	2.6797
Se 196.026	-7.1445u	-1.7270u	-4.1474u
Sn 189.925	-1.1004u	-3.4251u	-2.3644u
Sr 216.596	-2.8034u	-2.4490u	-2.3342u
Ti 334.941	-0.4456u	-0.4523u	-0.4142u
Tl 190.794	2.1056	-0.1922u	0.2817
V 292.401	-0.7205u	-0.8090u	-0.4347u
Zn 206.200	-1.8557u	-1.2530u	-2.5981u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.9181	ppb	0.2696	29.4	-43.8687	-0.91811
Al 308.215	0.0765	ppb	3.8262	5004.4	-24.0349	0.07646
As 188.980	1.4074	ppb	1.5279	108.6	-8.7426	1.40738
B 249.678	10.1745	ppb	1.0898	10.7	310.522	10.17452
Ba 389.178	-1.7150	ppb	0.1402	8.2	-15.5660	-1.71496
Be 313.042	-0.5067	ppb	0.0140	2.8	-269.902	-0.50673
Ca 370.602	2.557	ppb	6.464	252.8	25.03	2.55717
Cd 226.502	-0.3358	ppb	0.1070	31.9	31.8884	-0.33577
Co 228.615	-0.5191	ppb	0.0549	10.6	-7.0003	-0.51914
Cr 267.716	-0.7446	ppb	0.3150	42.3	-13.6192	-0.74458
Cu 324.754	-0.6058	ppb	0.2365	39.0	179.329	-0.60581
Fe 271.441	-12.1744	ppb	2.5188	20.7	94.3427	-12.17442
K 766.491	2.6243	ppb	2.2944	87.4	553.016	2.62426
Mg 279.078	0.1530	ppb	2.3516	1537.2	34.9395	0.15298
Mn 257.610	-1.1909	ppb	0.1921	16.1	151.814	-1.19086
Mo 202.032	-0.6615	ppb	0.2083	31.5	16.7916	-0.66147
Na 330.237	13.5320	ppb	59.2104	437.6	56.0596	13.53197
Ni 231.604	-1.3041	ppb	0.2085	16.0	-7.9078	-1.30413
Pb 220.353	0.7195	ppb	1.0425	144.9	29.1479	0.71949
Sb 206.834	0.2679	ppb	2.5961	969.2	-2.7116	0.26786
Se 196.026	-4.3396	ppb	2.7139	62.5	8.3802	-4.33963
Sn 189.925	-2.2966	ppb	1.1638	50.7	-6.7813	-2.29662
Sr 216.596	-2.5289	ppb	0.2446	9.7	24.4933	-2.52890
Ti 334.941	-0.4374	ppb	0.0203	4.6	-22.3610	-0.43737
Tl 190.794	0.7317	ppb	1.2132	165.8	-11.6939	0.73167
V 292.401	-0.6547	ppb	0.1957	29.9	-0.8702	-0.65473
Zn 206.200	-1.9023	ppb	0.6738	35.4	515.5467	-1.90227

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640-43112-d-2-b (Samp) 4/17/2013, 5:15:42 PM Rack 1, Tube 51
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9848u	-0.5090u	-0.5592u
Al 308.215	31.5619	32.8193	30.7659
As 188.980	-7.3640u	-4.1688u	-4.2505u
B 249.678	84.2625	83.8989	85.0156
Ba 389.178	18.6422	17.9354	18.2627
Be 313.042	-0.5459u	-0.5451u	-0.5446u
Ca 370.602	3926	3906	3927
Cd 226.502	-0.5388u	-0.2536u	-0.5270u
Co 228.615	0.2531	-0.5394u	-0.2750u
Cr 267.716	-0.7880u	-0.9374u	-1.0970u
Cu 324.754	-0.7503u	-1.1359u	-1.1282u
Fe 271.441	-13.1645u	-7.9707u	-13.4196u
K 766.491	3230.77	3212.43	3235.88
Mg 279.078	1042.26	1041.97	1042.98
Mn 257.610	2.6315	2.5910	2.6155
Mo 202.032	-1.1623u	-0.8322u	-0.7020u
Na 330.237	975.471	1470.11	1318.66
Ni 231.604	-0.3931u	0.0988	0.1809
Pb 220.353	-0.5262u	-0.9948u	-0.4241u
Sb 206.834	3.8140	4.1876	3.1428
Se 196.026	2.6405	-3.2341u	2.8679
Sn 189.925	-2.2178u	-3.4287u	-3.8137u
Sr 216.596	17.7610	17.8525	17.5137
Ti 334.941	-0.4943u	-0.4689u	-0.4819u
Tl 190.794	-0.1915u	-1.8073u	-3.6202u
V 292.401	-0.8690u	-0.9758u	-1.1535u
Zn 206.200	-1.4287u	-1.8383u	-2.1975u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6843	ppb	0.2614	38.2	-27.1503
Al 308.215	31.7157	ppb	1.0353	3.3	45.5989
As 188.980	-5.2611	ppb	1.8216	34.6	-12.7690
B 249.678	84.3923	ppb	0.5696	0.7	1169.11
Ba 389.178	18.2801	ppb	0.3537	1.9	415.885
Be 313.042	-0.5452	ppb	0.0007	0.1	-335.812
Ca 370.602	3920	ppb	12.11	0.3	10755
Cd 226.502	-0.4398	ppb	0.1614	36.7	28.3690
Co 228.615	-0.1871	ppb	0.4035	215.7	-3.6819
Cr 267.716	-0.9408	ppb	0.1545	16.4	-19.6445
Cu 324.754	-1.0048	ppb	0.2205	21.9	158.580
Fe 271.441	-11.5183	ppb	3.0749	26.7	95.4639
K 766.491	3226.36	ppb	12.3333	0.4	102896
Mg 279.078	1042.40	ppb	0.5184	0.0	2114.08
Mn 257.610	2.6127	ppb	0.0204	0.8	1038.78
Mo 202.032	-0.8988	ppb	0.2373	26.4	15.1073
Na 330.237	1254.75	ppb	253.438	20.2	110.189
Ni 231.604	-0.0378	ppb	0.3104	821.0	-4.6554
Pb 220.353	-0.6484	ppb	0.3043	46.9	26.8178
Sb 206.834	3.7148	ppb	0.5294	14.3	0.6851
Se 196.026	0.7581	ppb	3.4592	456.3	10.7404
Sn 189.925	-3.1534	ppb	0.8328	26.4	-7.4026
Sr 216.596	17.7091	ppb	0.1753	1.0	218.930
Ti 334.941	-0.4817	ppb	0.0127	2.6	-29.4660
Tl 190.794	-1.8730	ppb	1.7153	91.6	-14.2022
V 292.401	-0.9994	ppb	0.1437	14.4	-9.9064
Zn 206.200	-1.8215	ppb	0.3847	21.1	-515.6509

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640-43112-d-3-b (Samp) 4/17/2013, 5:21:16 PM Rack 1, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8642u	-0.9748u	-0.6993u
Al 308.215	7.6395	8.4893	4.2998
As 188.980	-4.0190u	-1.3125u	0.2711
B 249.678	1.3026	1.6360	1.7321
Ba 389.178	12.3006	12.0482	11.7891
Be 313.042	-0.5323u	-0.5273u	-0.5280u
Ca 370.602	121.9	120.4	120.9
Cd 226.502	-0.4274u	-0.4618u	-0.5720u
Co 228.615	-0.4263u	-0.6266u	0.1102
Cr 267.716	-0.7775u	-1.3134u	-0.8209u
Cu 324.754	-0.6802u	-1.0320u	-0.5541u
Fe 271.441	9.1661	14.1878	11.6290
K 766.491	62.8864	65.4281	68.1696
Mg 279.078	366.778	374.581	369.867
Mn 257.610	0.8465	0.8391	0.8775
Mo 202.032	-1.3038u	-1.0186u	-0.6265u
Na 330.237	1252.94	1399.58	1377.47
Ni 231.604	-1.2928u	0.0473	-0.0872u
Pb 220.353	-0.0615u	1.4111	2.4443
Sb 206.834	-2.1392u	-3.4031u	5.3083
Se 196.026	4.5645	0.8519	0.2902
Sn 189.925	-0.4248u	-3.5384u	-2.1442u
Sr 216.596	0.2145	-0.7114u	0.2041
Ti 334.941	-0.5317u	-0.5346u	-0.4961u
Tl 190.794	-2.4864u	2.9724	-2.6225u
V 292.401	-0.8755u	-1.1506u	-0.7532u
Zn 206.200	-2.3398u	-1.1217u	-0.7150u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8461	ppb	0.1386	16.4	-38.5407
Al 308.215	6.8095	ppb	2.2147	32.5	-9.2391
As 188.980	-1.6868	ppb	2.1694	128.6	-10.6253
B 249.678	1.5569	ppb	0.2254	14.5	210.802
Ba 389.178	12.0460	ppb	0.2557	2.1	280.556
Be 313.042	-0.5292	ppb	0.0027	0.5	-309.025
Ca 370.602	121.1	ppb	0.7877	0.7	348.0
Cd 226.502	-0.4871	ppb	0.0755	15.5	26.8097
Co 228.615	-0.3142	ppb	0.3810	121.2	-4.9476
Cr 267.716	-0.9706	ppb	0.2976	30.7	-20.5628
Cu 324.754	-0.7554	ppb	0.2476	32.8	171.545
Fe 271.441	11.6610	ppb	2.5110	21.5	133.303
K 766.491	65.4947	ppb	2.6422	4.0	2548.94
Mg 279.078	370.409	ppb	3.9298	1.1	773.539
Mn 257.610	0.8544	ppb	0.0204	2.4	627.677
Mo 202.032	-0.9830	ppb	0.3400	34.6	14.5090
Na 330.237	1343.33	ppb	79.0530	5.9	114.044
Ni 231.604	-0.4442	ppb	0.7379	166.1	-5.6988
Pb 220.353	1.2646	ppb	1.2593	99.6	30.0780
Sb 206.834	-0.0780	ppb	4.7073	6037.9	-3.0443
Se 196.026	1.9022	ppb	2.3227	122.1	11.2695
Sn 189.925	-2.0358	ppb	1.5596	76.6	-6.5913
Sr 216.596	-0.0976	ppb	0.5316	544.6	47.8340
Ti 334.941	-0.5208	ppb	0.0215	4.1	-42.2112
Tl 190.794	-0.7122	ppb	3.1917	448.2	-13.0853
V 292.401	-0.9264	ppb	0.2035	22.0	-7.9565
Zn 206.200	-1.3922	ppb	0.8455	60.7	-2.2028

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640-43094-g-1-a^10 (Samp) **4/17/2013, 5:26:51 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0243u	-0.9559u	-1.0807u
Al 308.215	-6.1906u	-0.5344u	-0.2018u
As 188.980	5.7284	-7.2236u	-3.0483u
B 249.678	27.0363	26.9114	26.2460
Ba 389.178	40.4783	39.7474	39.8189
Be 313.042	-0.5463u	-0.5387u	-0.5361u
Ca 370.602	21187	20530	20358
Cd 226.502	-0.3679u	-0.3184u	-0.4210u
Co 228.615	0.0053	-1.1829u	-0.5107u
Cr 267.716	-0.8437u	-1.0900u	-1.1762u
Cu 324.754	-0.8396u	-0.5501u	-0.9931u
Fe 271.441	1781.63	1726.37	1705.19
K 766.491	1738.86	1695.28	1676.34
Mg 279.078	9967.67	9681.89	9591.67
Mn 257.610	62.4085	60.5374	60.0123
Mo 202.032	-1.4654u	-1.4207u	-0.7148u
Na 330.237	36662.4	35836.9	35236.3
Ni 231.604	0.5255	0.3797	-1.6480u
Pb 220.353	2.1588	3.1920	-0.0540u
Sb 206.834	0.9587	-0.4142u	-5.1230u
Se 196.026	-0.0071	-5.8270u	-8.2107u
Sn 189.925	-7.0694u	-6.0302u	-3.1487u
Sr 216.596	122.269	118.973	117.526
Ti 334.941	-0.6388u	-0.6148u	-0.6704u
Tl 190.794	-2.7122u	-0.2553u	-2.1798u
V 292.401	-1.3835u	-0.8887u	-1.0551u
Zn 206.200	-0.6492u	-3.1578u	-1.7815u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0203	ppb	0.0625	6.1	-56.9658
Al 308.215	-2.3089	ppb	3.3658	145.8	-29.3108
As 188.980	-1.5145	ppb	6.6108	436.5	-10.3643
B 249.678	26.7312	ppb	0.4249	1.6	500.039
Ba 389.178	40.0149	ppb	0.4029	1.0	905.480
Be 313.042	-0.5404	ppb	0.0053	1.0	-325.673
Ca 370.602	20692	ppb	437.4	2.1	56579
Cd 226.502	-0.3691	ppb	0.0513	13.9	34.5713
Co 228.615	-0.5628	ppb	0.5958	105.9	-7.4712
Cr 267.716	-1.0366	ppb	0.1726	16.6	-21.8039
Cu 324.754	-0.7943	ppb	0.2250	28.3	170.060
Fe 271.441	1737.73	ppb	39.4680	2.3	2953.59
K 766.491	1703.49	ppb	32.0587	1.9	54549.8
Mg 279.078	9747.08	ppb	196.289	2.0	19478.6
Mn 257.610	60.9861	ppb	1.2595	2.1	14612.9
Mo 202.032	-1.2003	ppb	0.4210	35.1	12.8819
Na 330.237	35911.9	ppb	716.030	2.0	1621.15
Ni 231.604	-0.2476	ppb	1.2150	490.8	-5.1586
Pb 220.353	1.7656	ppb	1.6584	93.9	30.9451
Sb 206.834	-1.5262	ppb	3.1897	209.0	-4.4321
Se 196.026	-4.6816	ppb	4.2200	90.1	8.2348
Sn 189.925	-5.4161	ppb	2.0312	37.5	-9.0317
Sr 216.596	119.589	ppb	2.4306	2.0	1198.17
Ti 334.941	-0.6413	ppb	0.0279	4.3	-36.5559
Tl 190.794	-1.7158	ppb	1.2925	75.3	-14.2202
V 292.401	-1.1091	ppb	0.2518	22.7	-12.9221
Zn 206.200	-1.8628	ppb	1.2562	67.4	-515.5976

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640-43094-g-1-b ms (Samp) 4/17/2013, 5:32:25 PM Rack 1, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.8779	3.3844	3.2325
Al 308.215	535.800	521.661	527.237
As 188.980	6.1214	0.3261	12.5939
B 249.678	45.9366	45.0183	45.5917
Ba 389.178	50.2256	49.4433	51.3884
Be 313.042	4.8961	4.8793	4.8846
Ca 370.602	21395	21224	21265
Cd 226.502	4.9242	5.1224	4.9334
Co 228.615	5.3550	4.8793	5.5851
Cr 267.716	9.7684	9.5032	9.6064
Cu 324.754	9.5845	9.8218	9.6580
Fe 271.441	2255.31	2249.03	2260.22
K 766.491	2192.14	2185.13	2190.10
Mg 279.078	10324.7	10275.4	10321.1
Mn 257.610	116.877	116.334	116.769
Mo 202.032	9.6258	9.2222	9.0096
Na 330.237	37054.4	36860.8	36939.9
Ni 231.604	9.9980	9.4247	10.8660
Pb 220.353	6.2133	3.9718	2.0011
Sb 206.834	5.7774	6.1453	2.5199
Se 196.026	6.1890	9.9762	-3.1401u
Sn 189.925	20.3881	15.0450	20.1870
Sr 216.596	129.859	129.572	130.897
Ti 334.941	9.3738	9.3385	9.4397
Tl 190.794	2.7676	-0.7799u	2.2392
V 292.401	9.6825	9.3197	9.3291
Zn 206.200	9.3822	9.1860	9.2145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1649	ppb	0.2599	8.2	258.117
Al 308.215	528.233	ppb	7.1216	1.3	1139.07
As 188.980	6.3471	ppb	6.1370	96.7	-5.5815
B 249.678	45.5155	ppb	0.4639	1.0	716.744
Ba 389.178	50.3524	ppb	0.9787	1.9	1129.34
Be 313.042	4.8867	ppb	0.0086	0.2	9110.21
Ca 370.602	21295	ppb	89.06	0.4	58198
Cd 226.502	4.9933	ppb	0.1119	2.2	217.540
Co 228.615	5.2731	ppb	0.3599	6.8	50.5808
Cr 267.716	9.6260	ppb	0.1337	1.4	307.207
Cu 324.754	9.6881	ppb	0.1214	1.3	715.334
Fe 271.441	2254.86	ppb	5.6100	0.2	3799.45
K 766.491	2189.13	ppb	3.6038	0.2	69966.9
Mg 279.078	10307.1	ppb	27.4731	0.3	20594.8
Mn 257.610	116.660	ppb	0.2872	0.2	27511.1
Mo 202.032	9.2859	ppb	0.3130	3.4	87.2656
Na 330.237	36951.7	ppb	97.3271	0.3	1666.23
Ni 231.604	10.0962	ppb	0.7256	7.2	21.4194
Pb 220.353	4.0621	ppb	2.1076	51.9	34.8463
Sb 206.834	4.8142	ppb	1.9955	41.4	1.8321
Se 196.026	4.3417	ppb	6.7504	155.5	12.4233
Sn 189.925	18.5400	ppb	3.0285	16.3	8.3889
Sr 216.596	130.109	ppb	0.6968	0.5	1298.82
Ti 334.941	9.3840	ppb	0.0514	0.5	2522.89
Tl 190.794	1.4090	ppb	1.9139	135.8	-11.3180
V 292.401	9.4438	ppb	0.2068	2.2	263.798
Zn 206.200	9.2609	ppb	0.1061	1.1	15.8769

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640-43094-g-1-c msd (Samp) 4/17/2013, 5:38:00 PM Rack 1, Tube 55**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.5551	1.3957	1.5907
Al 308.215	544.991	542.729	529.509
As 188.980	15.8049	9.0607	5.3599
B 249.678	46.5231	47.0421	46.4943
Ba 389.178	51.8475	50.9283	52.0076
Be 313.042	5.0540	4.9743	4.9127
Ca 370.602	21921	21631	21376
Cd 226.502	5.0622	5.0421	4.9108
Co 228.615	4.1836	4.6662	4.4911
Cr 267.716	9.9227	9.9328	9.8019
Cu 324.754	9.7710	10.1118	10.0071
Fe 271.441	2333.57	2301.13	2271.92
K 766.491	2242.63	2218.81	2202.87
Mg 279.078	10630.2	10483.6	10339.0
Mn 257.610	120.229	118.684	117.371
Mo 202.032	9.3413	9.3897	9.1082
Na 330.237	37816.2	37317.5	36699.7
Ni 231.604	11.6028	9.9249	9.7845
Pb 220.353	6.7549	6.2583	6.8607
Sb 206.834	5.2370	8.4072	4.3124
Se 196.026	9.3569	19.3416	5.0687
Sn 189.925	14.6537	14.6019	15.0798
Sr 216.596	134.691	131.388	130.186
Ti 334.941	9.7731	9.5865	9.5334
Tl 190.794	0.5965	0.1643u	0.3016
V 292.401	9.5503	9.7280	9.3109
Zn 206.200	9.5535	8.3093	7.9846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5139	ppb	0.1038	6.9	133.662
Al 308.215	539.076	ppb	8.3623	1.6	1162.95
As 188.980	10.0752	ppb	5.2959	52.6	-3.3098
B 249.678	46.6865	ppb	0.3083	0.7	730.239
Ba 389.178	51.5945	ppb	0.5825	1.1	1156.45
Be 313.042	4.9804	ppb	0.0708	1.4	9273.22
Ca 370.602	21643	ppb	272.4	1.3	59148
Cd 226.502	5.0051	ppb	0.0822	1.6	218.039
Co 228.615	4.4470	ppb	0.2443	5.5	42.3559
Cr 267.716	9.8858	ppb	0.0729	0.7	315.235
Cu 324.754	9.9633	ppb	0.1746	1.8	729.656
Fe 271.441	2302.21	ppb	30.8384	1.3	3876.78
K 766.491	2221.43	ppb	20.0115	0.9	70992.6
Mg 279.078	10484.3	ppb	145.594	1.4	20948.3
Mn 257.610	118.761	ppb	1.4303	1.2	27998.8
Mo 202.032	9.2798	ppb	0.1505	1.6	87.2198
Na 330.237	37277.8	ppb	559.301	1.5	1680.45
Ni 231.604	10.4374	ppb	1.0117	9.7	22.2966
Pb 220.353	6.6247	ppb	0.3216	4.9	39.2138
Sb 206.834	5.9855	ppb	2.1476	35.9	2.9873
Se 196.026	11.2558	ppb	7.3234	65.1	15.6237
Sn 189.925	14.7785	ppb	0.2623	1.8	5.6538
Sr 216.596	132.088	ppb	2.3324	1.8	1317.84
Ti 334.941	9.6310	ppb	0.1259	1.3	2586.58
Tl 190.794	0.3541	ppb	0.2209	62.4	-12.3370
V 292.401	9.5297	ppb	0.2093	2.2	266.056
Zn 206.200	8.6158	ppb	0.8282	9.6	15.0469

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640-43094-g-2-a (Samp) 4/17/2013, 5:43:35 PM Rack 1, Tube 56

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1987u	-1.1714u	-0.9773u
Al 308.215	3.3535	6.0824	0.0673
As 188.980	-1.9700	1.4088	-6.3934u
B 249.678	250.115	251.381	250.591
Ba 389.178	87.4286	89.1485	87.8607
Be 313.042	-0.5789u	-0.5764u	-0.5871u
Ca 370.602	186301	185809	186391
Cd 226.502	-0.3428u	-0.5995u	-0.3793u
Co 228.615	-0.9248u	-0.6910u	0.4740
Cr 267.716	-1.1814u	-0.8385u	-0.6572u
Cu 324.754	1.0054	1.2186	1.3756
Fe 271.441	1044.61	1037.93	1038.73
K 766.491	14782.6	14840.6	14805.3
Mg 279.078	76654.2	76689.8	76595.2
Mn 257.610	591.725	591.821	590.781
Mo 202.032	-0.2443u	0.4507	0.1492
Na 330.237	338347x	337929x	336474x
Ni 231.604	2.0168	2.1201	2.9744
Pb 220.353	0.5957	3.1054	2.1950
Sb 206.834	0.2011	1.8982	-4.0953u
Se 196.026	-6.9994u	-0.2875	-5.8253u
Sn 189.925	-5.0481u	-5.8324u	-3.4164u
Sr 216.596	961.544	956.742	955.829
Ti 334.941	-1.3595u	-1.3509u	-1.3553u
Tl 190.794	-4.8654u	-0.6187u	-1.3216u
V 292.401	-0.5380u	0.0957	-0.0804u
Zn 206.200	-1.6351u	-0.3966u	0.9541

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1158b	ppb	0.1207	10.8	-101.049
Al 308.215	3.1677b	ppb	3.0118	95.1	-17.2059
As 188.980	-2.3182b	ppb	3.9127	168.8	-9.4551
B 249.678	250.695b	ppb	0.6397	0.3	3091.79
Ba 389.178	88.1459b	ppb	0.8947	1.0	2098.51
Be 313.042	-0.5808b	ppb	0.0056	1.0	-375.729
Ca 370.602	186167b	ppb	313.1	0.2	509940
Cd 226.502	-0.4405b	ppb	0.1389	31.5	29.9384
Co 228.615	-0.3806b	ppb	0.7493	196.9	-5.6558
Cr 267.716	-0.8924b	ppb	0.2662	29.8	-12.7693
Cu 324.754	1.1999b	ppb	0.1858	15.5	273.533
Fe 271.441	1040.42b	ppb	3.6493	0.4	1814.24
K 766.491	14809.5b	ppb	29.2308	0.2	470621
Mg 279.078	76646.4b	ppb	47.7945	0.1	152929
Mn 257.610	591.442b	ppb	0.5749	0.1	137848
Mo 202.032	0.1185b	ppb	0.3485	294.0	22.2754
Na 330.237	337583xb	ppb	982.764	0.3	14777.3
Ni 231.604	2.3704b	ppb	0.5256	22.2	1.5514
Pb 220.353	1.9654b	ppb	1.2705	64.6	31.4019
Sb 206.834	-0.6653b	ppb	3.0893	464.3	-3.6134
Se 196.026	-4.3707b	ppb	3.5846	82.0	8.5025
Sn 189.925	-4.7656b	ppb	1.2325	25.9	-8.4099
Sr 216.596	958.038b	ppb	3.0700	0.3	9253.86
Ti 334.941	-1.3552b	ppb	0.0043	0.3	35.5061
Tl 190.794	-2.2685b	ppb	2.2762	100.3	-15.4670
V 292.401	-0.1742b	ppb	0.3271	187.8	10.2208
Zn 206.200	-0.3592b	ppb	1.2950	360.5	3.5308

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640-43094-g-2-a^10 (Samp) **4/17/2013, 5:49:11 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8816u	-1.0968u	-0.9042u
Al 308.215	-0.6943u	-5.1173u	-4.9096u
As 188.980	-4.8360u	-3.5061u	1.4978
B 249.678	21.5334	22.0824	21.0533
Ba 389.178	6.6927	6.3025	5.7110
Be 313.042	-0.5517u	-0.5504u	-0.5457u
Ca 370.602	18777	18924	18847
Cd 226.502	-0.4327u	-0.2963u	-0.5577u
Co 228.615	-0.1432u	-0.5033u	-0.6657u
Cr 267.716	-0.8489u	-1.2226u	-1.1557u
Cu 324.754	-0.7176u	-1.3090u	-1.1205u
Fe 271.441	99.9707	99.4173	91.6245
K 766.491	1100.77	1112.61	1112.62
Mg 279.078	7643.23	7679.85	7675.65
Mn 257.610	59.3882	59.6656	59.6525
Mo 202.032	-1.3685u	-1.1274u	-1.2780u
Na 330.237	29012.9	29325.7	29255.3
Ni 231.604	0.8363	-1.8909u	-0.3329u
Pb 220.353	0.1207	4.3125	3.2056
Sb 206.834	0.1276	0.7935	0.2768
Se 196.026	-7.2770u	-3.9618u	2.0952
Sn 189.925	-6.5585u	-3.4217u	1.4679
Sr 216.596	95.8678	96.9283	96.7407
Ti 334.941	-0.6565u	-0.6678u	-0.6519u
Tl 190.794	-0.3596u	-5.2198u	-3.2993u
V 292.401	-0.8193u	-1.0515u	-0.9208u
Zn 206.200	-1.8279u	-1.1143u	-0.8052u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9609	ppb	0.1183	12.3	-51.4482
Al 308.215	-3.5737	ppb	2.4958	69.8	-32.1063
As 188.980	-2.2814	ppb	3.3398	146.4	-10.8302
B 249.678	21.5564	ppb	0.5150	2.4	442.068
Ba 389.178	6.2354	ppb	0.4943	7.9	173.636
Be 313.042	-0.5493	ppb	0.0032	0.6	-340.951
Ca 370.602	18849	ppb	73.36	0.4	51647
Cd 226.502	-0.4289	ppb	0.1308	30.5	28.9223
Co 228.615	-0.4374	ppb	0.2674	61.1	-6.1706
Cr 267.716	-1.0757	ppb	0.1993	18.5	-23.3333
Cu 324.754	-1.0490	ppb	0.3021	28.8	156.304
Fe 271.441	97.0042	ppb	4.6671	4.8	272.721
K 766.491	1108.67	ppb	6.8382	0.6	35666.0
Mg 279.078	7666.24	ppb	20.0453	0.3	15327.3
Mn 257.610	59.5688	ppb	0.1565	0.3	14268.1
Mo 202.032	-1.2580	ppb	0.1218	9.7	12.5529
Na 330.237	29198.0	ppb	164.133	0.6	1328.77
Ni 231.604	-0.4625	ppb	1.3682	295.8	-5.7440
Pb 220.353	2.5463	ppb	2.1723	85.3	32.2757
Sb 206.834	0.3993	ppb	0.3494	87.5	-2.5731
Se 196.026	-3.0479	ppb	4.7524	155.9	8.9921
Sn 189.925	-2.8374	ppb	4.0450	142.6	-7.1592
Sr 216.596	96.5123	ppb	0.5660	0.6	976.096
Ti 334.941	-0.6587	ppb	0.0082	1.2	-49.2994
Tl 190.794	-2.9596	ppb	2.4478	82.7	-15.3323
V 292.401	-0.9305	ppb	0.1164	12.5	-8.1273
Zn 206.200	-1.2492	ppb	0.5245	42.0	-2.3874

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640-43094-f-4-a (Samp) 4/17/2013, 5:54:47 PM Rack 1, Tube 58
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1802u	-1.0713u	-1.1150u
Al 308.215	8.0372	7.0845	3.2988
As 188.980	4.9152	-4.0650u	-4.7675u
B 249.678	2114.24	2127.15	2128.32
Ba 389.178	474.473	474.079	473.181
Be 313.042	-0.4690u	-0.4815u	-0.4688u
Ca 370.602	139244	139153	138757
Cd 226.502	-0.1492	-0.1139	-0.2623
Co 228.615	0.2522	0.2371	0.6897
Cr 267.716	-1.4501u	-2.0533u	-1.8866u
Cu 324.754	-0.3195u	-0.5705u	-0.6654u
Fe 271.441	10137.1	10117.3	10097.8
K 766.491	110496x	110737x	110585x
Mg 279.078	239431	239514	239032
Mn 257.610	389.508	389.122	388.384
Mo 202.032	-2.2317u	-0.4225u	-1.3843u
Na 330.237	2059720x	2068440x	2059915x
Ni 231.604	1.9310	-1.0846u	2.7767
Pb 220.353	2.8601	8.7796	2.4167
Sb 206.834	5.1979	-1.3510u	-1.6199u
Se 196.026	14.8884	5.4822	4.5261
Sn 189.925	-6.5520u	-3.2691u	-3.2713u
Sr 216.596	1485.03	1483.81	1481.27
Ti 334.941	-3.5149u	-3.5189u	-3.4340u
Tl 190.794	-0.4474u	-5.2227u	-4.6784u
V 292.401	-0.2856u	0.2229u	-0.4292u
Zn 206.200	-0.7203u	3.4849	1.5943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1221b	ppb	0.0548	4.9	-129.020
Al 308.215	6.1402b	ppb	2.5064	40.8	-10.7242
As 188.980	-1.3057b	ppb	5.3990	413.5	-9.3317
B 249.678	2123.24b	ppb	7.8158	0.4	24743.9
Ba 389.178	473.911b	ppb	0.6624	0.1	10778.9
Be 313.042	-0.4731b	ppb	0.0073	1.5	-385.917
Ca 370.602	139051b	ppb	259.2	0.2	380230
Cd 226.502	-0.1752b	ppb	0.0775	44.2	52.7334
Co 228.615	0.3930b	ppb	0.2570	65.4	1.8770
Cr 267.716	-1.7967b	ppb	0.3115	17.3	-21.4178
Cu 324.754	-0.5185b	ppb	0.1787	34.5	186.976
Fe 271.441	10117.4b	ppb	19.6564	0.2	16645.4
K 766.491	110606xb	ppb	121.755	0.1	3511832
Mg 279.078	239326b	ppb	257.390	0.1	477465
Mn 257.610	389.005b	ppb	0.5712	0.1	91928.6
Mo 202.032	-1.3462b	ppb	0.9052	67.2	11.4333
Na 330.237	2062692xb	ppb	4979.33	0.2	90007.7
Ni 231.604	1.2077b	ppb	2.0297	168.1	-1.2502
Pb 220.353	4.6854b	ppb	3.5525	75.8	35.9948
Sb 206.834	0.7423b	ppb	3.8610	520.1	-2.0106
Se 196.026	8.2989b	ppb	5.7267	69.0	14.3119
Sn 189.925	-4.3641b	ppb	1.8948	43.4	-7.6359
Sr 216.596	1483.37b	ppb	1.9183	0.1	14290.9
Ti 334.941	-3.4893b	ppb	0.0479	1.4	45.4082
Tl 190.794	-3.4495b	ppb	2.6141	75.8	-16.7708
V 292.401	-0.1640b	ppb	0.3426	208.9	0.3496
Zn 206.200	1.4530b	ppb	2.1061	145.0	5.8618

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640-43094-f-4-a^10 (Samp) 4/17/2013, 6:00:23 PM Rack 1, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0189u	-1.0024u	-0.7717u
Al 308.215	-2.1880u	-1.9948u	-3.7344u
As 188.980	-3.4422u	-1.6171u	-3.5060u
B 249.678	254.281	246.380	232.783
Ba 389.178	52.9763	49.9035	48.4875
Be 313.042	-0.5546u	-0.5482u	-0.5546u
Ca 370.602	15922	15383	14619
Cd 226.502	-0.3353u	-0.4619u	-0.5635u
Co 228.615	-0.1004u	-0.2495u	-0.1616u
Cr 267.716	-0.9899u	-1.4703u	-1.2620u
Cu 324.754	-0.6654u	-0.7237u	-0.8158u
Fe 271.441	1199.98	1161.16	1098.54
K 766.491	8102.94	7813.48	7409.56
Mg 279.078	26847.8	25933.5	24578.9
Mn 257.610	44.2668	42.6198	40.3662
Mo 202.032	-1.2630u	-0.7805u	-1.0028u
Na 330.237	192462x	186584x	175810x
Ni 231.604	-0.6400u	-1.3286u	0.1518
Pb 220.353	3.0323	-0.1429u	3.5637
Sb 206.834	0.2394	-2.2926u	-0.3659u
Se 196.026	-3.6846u	-0.5450u	-8.4370u
Sn 189.925	-5.4326u	-8.3773u	-4.5010u
Sr 216.596	173.259	166.921	158.404
Ti 334.941	-0.9045u	-0.8598u	-0.9067u
Tl 190.794	-4.7895u	-0.4397u	-1.8808u
V 292.401	-1.0674u	-1.0891u	-1.3062u
Zn 206.200	-1.8495u	-1.9314u	-0.8055u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9310b	ppb	0.1382	14.8	-52.6804
Al 308.215	-2.6391b	ppb	0.9535	36.1	-30.0262
As 188.980	-2.8551b	ppb	1.0726	37.6	-11.2204
B 249.678	244.481b	ppb	10.8740	4.4	3019.75
Ba 389.178	50.4558b	ppb	2.2948	4.5	1167.41
Be 313.042	-0.5525b	ppb	0.0037	0.7	-364.150
Ca 370.602	15308b	ppb	654.6	4.3	41871
Cd 226.502	-0.4536b	ppb	0.1143	25.2	29.8939
Co 228.615	-0.1705b	ppb	0.0750	44.0	-3.5512
Cr 267.716	-1.2407b	ppb	0.2409	19.4	-26.6435
Cu 324.754	-0.7350b	ppb	0.0758	10.3	172.971
Fe 271.441	1153.23b	ppb	51.1873	4.4	1998.55
K 766.491	7775.33b	ppb	348.261	4.5	247310
Mg 279.078	25786.8b	ppb	1141.55	4.4	51476.6
Mn 257.610	42.4176b	ppb	1.9581	4.6	10403.6
Mo 202.032	-1.0154b	ppb	0.2415	23.8	14.2229
Na 330.237	184952xb	ppb	8444.97	4.6	8121.00
Ni 231.604	-0.6056b	ppb	0.7408	122.3	-6.0900
Pb 220.353	2.1510b	ppb	2.0043	93.2	31.5976
Sb 206.834	-0.8064b	ppb	1.3222	164.0	-3.7421
Se 196.026	-4.2222b	ppb	3.9734	94.1	8.4437
Sn 189.925	-6.1036b	ppb	2.0234	33.2	-9.4904
Sr 216.596	166.195b	ppb	7.4542	4.5	1644.40
Ti 334.941	-0.8903b	ppb	0.0265	3.0	-44.2479
Tl 190.794	-2.3700b	ppb	2.2158	93.5	-14.7946
V 292.401	-1.1542b	ppb	0.1321	11.4	-15.0199
Zn 206.200	-1.5288b	ppb	0.6277	41.1	-2.0277

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X (Samp) 4/17/2013, 6:05:59 PM Rack 1, Tube 60

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4213u	-1.0136u	-0.4263u
Al 308.215	-10.0181u	-13.3701u	-10.8344u
As 188.980	3.7224	6.3531	6.1653
B 249.678	-6.9577u	-7.0572u	-7.3038u
Ba 389.178	-3.2478u	-2.4678u	-2.8406u
Be 313.042	-0.4403u	-0.4374u	-0.4329u
Ca 370.602	-5.753u	-8.028u	-5.814u
Cd 226.502	-0.8733u	-0.8720u	-0.7952u
Co 228.615	-0.2290u	-0.4841u	-0.0984u
Cr 267.716	-0.6321u	-0.6910u	-0.7272u
Cu 324.754	-3.2784u	-3.6145u	-3.4974u
Fe 271.441	-38.8551u	-37.2730u	-37.5013u
K 766.491	-10.4082u	-11.3581u	-10.5298u
Mg 279.078	-9.7785u	-12.4372u	-9.7780u
Mn 257.610	-1.7863u	-1.7794u	-1.7964u
Mo 202.032	-2.0801u	-1.7492u	-2.2480u
Na 330.237	-514.572u	-564.183u	-534.261u
Ni 231.604	0.2679	0.2751	-0.1459u
Pb 220.353	-5.5805u	-4.9617u	-5.9382u
Sb 206.834	0.9680	-1.2139u	0.4016
Se 196.026	-11.8546u	-6.8732u	-12.1135u
Sn 189.925	0.1055	0.6112	1.7083
Sr 216.596	-3.6354u	-3.7427u	-3.8154u
Ti 334.941	-0.7154u	-0.7246u	-0.7165u
Tl 190.794	2.3217	4.4292	4.7337
V 292.401	-0.9269u	-0.9379u	-0.8030u
Zn 206.200	-2.8589u	-2.5973u	-2.7474u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6204	ppb	0.3405	54.9	-21.4060
Al 308.215	-11.4075	ppb	1.7480	15.3	-49.3764
As 188.980	5.4136	ppb	1.4676	27.1	-6.3035
B 249.678	-7.1062	ppb	0.1782	2.5	110.639
Ba 389.178	-2.8521	ppb	0.3901	13.7	-40.0250
Be 313.042	-0.4369	ppb	0.0037	0.8	-148.205
Ca 370.602	-6.531	ppb	1.297	19.9	1.833
Cd 226.502	-0.8468	ppb	0.0448	5.3	14.5074
Co 228.615	-0.2705	ppb	0.1962	72.5	-4.4969
Cr 267.716	-0.6834	ppb	0.0480	7.0	-11.7414
Cu 324.754	-3.4634	ppb	0.1706	4.9	30.7357
Fe 271.441	-37.8765	ppb	0.8552	2.3	52.3218
K 766.491	-10.7654	ppb	0.5169	4.8	127.941
Mg 279.078	-10.6646	ppb	1.5351	14.4	13.3787
Mn 257.610	-1.7874	ppb	0.0085	0.5	13.5405
Mo 202.032	-2.0258	ppb	0.2538	12.5	7.1098
Na 330.237	-537.672	ppb	24.9806	4.6	32.0346
Ni 231.604	0.1323	ppb	0.2410	182.1	-4.2189
Pb 220.353	-5.4935	ppb	0.4941	9.0	18.5619
Sb 206.834	0.0519	ppb	1.1322	2181.0	-2.9010
Se 196.026	-10.2804	ppb	2.9536	28.7	5.6306
Sn 189.925	0.8083	ppb	0.8194	101.4	-4.5237
Sr 216.596	-3.7312	ppb	0.0905	2.4	12.9812
Ti 334.941	-0.7188	ppb	0.0051	0.7	-94.1610
Tl 190.794	3.8282	ppb	1.3135	34.3	-8.7159
V 292.401	-0.8892	ppb	0.0749	8.4	-6.8262
Zn 206.200	-2.7345	ppb	0.1313	4.8	-0.4770

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Cont Calib Verif (CCV) 4/17/2013, 6:11:34 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	492.688	485.765	484.982
Al 308.215	4806.09	4798.59	4867.28
As 188.980	473.859	484.598	478.629
B 249.678	505.716	508.239	512.286
Ba 389.178	5099.74	5070.38	5091.13
Be 313.042	516.156	513.497	514.967
Ca 370.602	4939	4919	4949
Cd 226.502	519.664	516.788	519.050
Co 228.615	525.088	520.310	521.726
Cr 267.716	5124.20	5093.26	5157.89
Cu 324.754	5190.39	5192.87	5160.79
Fe 271.441	4982.68	4941.03	4964.73
K 766.491	9888.70	9828.33	9868.33
Mg 279.078	4991.57	4968.46	4993.64
Mn 257.610	5241.20	5211.80	5225.13
Mo 202.032	490.515	489.293	492.737
Na 330.237	7153.73	7276.83	7274.61
Ni 231.604	2625.53	2606.98	2621.51
Pb 220.353	498.760	494.847	503.187
Sb 206.834	929.663	925.581	938.274
Se 196.026	5014.67	4997.66	4994.54
Sn 189.925	4990.13	4964.02	4983.47
Sr 216.596	2511.03	2501.27	2521.36
Ti 334.941	491.433	488.645	491.042
Tl 190.794	5065.59	5035.85	5043.93
V 292.401	4986.61	4948.57	4966.76
Zn 206.200	2611.93	2591.08	2611.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.812	ppb	4.2414	0.9	36713.1	97.56235
Al 308.215	4823.98	ppb	37.6796	0.8	10586.4	96.47967
As 188.980	479.029	ppb	5.3805	1.1	281.862	95.80577
B 249.678	508.747	ppb	3.3144	0.7	6072.41	20.34990Q
Ba 389.178	5087.09	ppb	15.0921	0.3	109181	101.74173
Be 313.042	514.873	ppb	1.3324	0.3	895739	102.97466
Ca 370.602	4936	ppb	15.03	0.3	13430	98.71254
Cd 226.502	518.501	ppb	1.5147	0.3	17634.7	103.70017
Co 228.615	522.375	ppb	2.4542	0.5	5208.62	104.47493
Cr 267.716	5125.12	ppb	32.3254	0.6	158055	102.50233
Cu 324.754	5181.35	ppb	17.8491	0.3	269530	103.62705
Fe 271.441	4962.81	ppb	20.8902	0.4	8345.46	99.25628
K 766.491	9861.79	ppb	30.7096	0.3	313548	98.61788
Mg 279.078	4984.55	ppb	13.9773	0.3	9898.58	99.69109
Mn 257.610	5226.04	ppb	14.7188	0.3	1210762	104.52082
Mo 202.032	490.848	ppb	1.7461	0.4	3496.02	98.16969
Na 330.237	7235.06	ppb	70.4375	1.0	350.046	96.46744
Ni 231.604	2618.01	ppb	9.7605	0.4	6719.70	104.72021
Pb 220.353	498.931	ppb	4.1723	0.8	878.192	99.78628
Sb 206.834	931.173	ppb	6.4800	0.7	962.294	93.11726
Se 196.026	5002.29	ppb	10.8347	0.2	2326.71	100.04577
Sn 189.925	4979.21	ppb	13.5670	0.3	3615.60	99.58411
Sr 216.596	2511.22	ppb	10.0465	0.4	24078.5	100.44879
Ti 334.941	490.373	ppb	1.5097	0.3	125190	98.07463
Tl 190.794	5048.46	ppb	15.3799	0.3	4833.84	100.96915
V 292.401	4967.31	ppb	19.0248	0.4	131007	99.34628
Zn 206.200	2604.82	ppb	11.9002	0.5	3340.87	104.19286

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 6:17:09 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7616u	-0.9053u	-0.5502u
Al 308.215	0.1617	-7.6926u	1.7082
As 188.980	-4.8732u	-0.1385u	0.0506
B 249.678	4.0562	3.9568	2.7465
Ba 389.178	-1.3297u	-1.2663u	-0.3492u
Be 313.042	-0.5104u	-0.4821u	-0.4532u
Ca 370.602	0.5784	-3.635u	3.266
Cd 226.502	-0.5402u	-0.5360u	-0.5573u
Co 228.615	-0.2806u	-0.9019u	-0.4445u
Cr 267.716	-0.6088u	-0.2921u	-0.3515u
Cu 324.754	-0.9190u	-0.1436u	0.2075
Fe 271.441	-12.2995u	-16.1209u	-12.7926u
K 766.491	-3.5038u	-3.3873u	-2.4819u
Mg 279.078	3.7513	2.5458	8.3252
Mn 257.610	-1.2436u	-1.0181u	-0.6321u
Mo 202.032	-0.5580u	-0.3568u	-0.7331u
Na 330.237	-117.785u	-83.0205u	-2.8308u
Ni 231.604	0.8127	-0.6707u	0.6688
Pb 220.353	2.5838	4.8097	1.0330
Sb 206.834	-1.2681u	1.1909	-2.5392u
Se 196.026	1.6651	-4.7750u	-4.8846u
Sn 189.925	-6.5470u	-1.5417u	-0.6876u
Sr 216.596	-1.9031u	-2.4852u	-2.5717u
Ti 334.941	-0.4200u	-0.4527u	-0.4376u
Tl 190.794	1.6537	2.5831	1.0140
V 292.401	-0.8327u	-0.3159u	-0.2343u
Zn 206.200	-3.8638u	-2.4188u	-1.1806u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7390	ppb	0.1786	24.2	-30.3738	-0.73902
Al 308.215	-1.9409	ppb	5.0408	259.7	-28.4732	-1.94090
As 188.980	-1.6537	ppb	2.7897	168.7	-10.6060	-1.65369
B 249.678	3.5865	ppb	0.7292	20.3	234.311	3.58653
Ba 389.178	-0.9817	ppb	0.5487	55.9	0.1728	-0.98174
Be 313.042	-0.4819	ppb	0.0286	5.9	-226.717	-0.48189
Ca 370.602	0.0696	ppb	3.479	4997.4	18.33	0.06961
Cd 226.502	-0.5445	ppb	0.0113	2.1	24.8090	-0.54450
Co 228.615	-0.5423	ppb	0.3220	59.4	-7.2320	-0.54234
Cr 267.716	-0.4175	ppb	0.1683	40.3	-3.5330	-0.41750
Cu 324.754	-0.2850	ppb	0.5764	202.2	196.007	-0.28500
Fe 271.441	-13.7377	ppb	2.0786	15.1	91.7540	-13.73767
K 766.491	-3.1243	ppb	0.5594	17.9	370.518	-3.12433
Mg 279.078	4.8741	ppb	3.0489	62.6	44.3545	4.87411
Mn 257.610	-0.9646	ppb	0.3092	32.1	204.236	-0.96460
Mo 202.032	-0.5493	ppb	0.1883	34.3	17.5874	-0.54932
Na 330.237	-67.8788	ppb	58.9542	86.9	52.5130	-67.87884
Ni 231.604	0.2703	ppb	0.8181	302.7	-3.8642	0.27025
Pb 220.353	2.8088	ppb	1.8984	67.6	32.7085	2.80884
Sb 206.834	-0.8722	ppb	1.8963	217.4	-3.8314	-0.87217
Se 196.026	-2.6648	ppb	3.7502	140.7	9.1554	-2.66482
Sn 189.925	-2.9255	ppb	3.1653	108.2	-7.2387	-2.92547
Sr 216.596	-2.3200	ppb	0.3636	15.7	26.4743	-2.32003
Ti 334.941	-0.4367	ppb	0.0164	3.8	-22.1718	-0.43674
Tl 190.794	1.7503	ppb	0.7890	45.1	-10.7154	1.75026
V 292.401	-0.4610	ppb	0.3245	70.4	4.2219	-0.46098
Zn 206.200	-2.4878	ppb	1.3429	54.0	0.7929	-2.48776

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43094-i-6-a (Samp) 4/17/2013, 6:22:44 PM Rack 2, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1613u	-0.9686u	-0.7560u
Al 308.215	10.1371	0.8380	16.2430
As 188.980	-3.2179u	-5.7152u	-3.3119u
B 249.678	1749.16	1761.22	1772.07
Ba 389.178	495.876	495.540	494.779
Be 313.042	-0.4970u	-0.4920u	-0.5026u
Ca 370.602	149839	149589	149372
Cd 226.502	-0.0914	-0.2356	-0.0775
Co 228.615	-0.2194u	0.3820	-1.2140u
Cr 267.716	-1.5217u	-1.7147u	-2.1323u
Cu 324.754	-0.4835u	-0.4400u	-0.6542u
Fe 271.441	8594.18	8583.39	8593.20
K 766.491	95783.1x	95832.7x	95656.1x
Mg 279.078	192400	192260	192504
Mn 257.610	310.050	309.653	310.369
Mo 202.032	-0.1880u	-1.0620u	-0.8179u
Na 330.237	1683081x	1702882x	1702496x
Ni 231.604	-2.6518u	0.5334	-1.4703u
Pb 220.353	4.6451	3.0187	3.1906
Sb 206.834	-9.3148u	-4.5750u	0.9986
Se 196.026	-9.8741u	6.6057	3.7986
Sn 189.925	-6.9064u	-8.6318u	-8.7632u
Sr 216.596	1352.84	1344.06	1347.39
Ti 334.941	-2.6547	-2.6698u	-2.7240u
Tl 190.794	-5.7244u	-6.6174u	-4.7743u
V 292.401	-0.0167u	0.1782u	0.3650u
Zn 206.200	1.8597	0.9963	-1.3830u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9620b	ppb	0.2028	21.1	-110.592
Al 308.215	9.0727b	ppb	7.7575	85.5	-4.2233
As 188.980	-4.0817b	ppb	1.4154	34.7	-10.9121
B 249.678	1760.82b	ppb	11.4613	0.7	20552.9
Ba 389.178	495.398b	ppb	0.5621	0.1	11124.9
Be 313.042	-0.4972b	ppb	0.0053	1.1	-385.419
Ca 370.602	149600b	ppb	233.6	0.2	409232
Cd 226.502	-0.1348b	ppb	0.0875	64.9	51.9215
Co 228.615	-0.3505b	ppb	0.8060	230.0	-5.5142
Cr 267.716	-1.7896b	ppb	0.3121	17.4	-25.5763
Cu 324.754	-0.5259b	ppb	0.1132	21.5	186.140
Fe 271.441	8590.26b	ppb	5.9667	0.1	14150.2
K 766.491	95757.3xb	ppb	91.0557	0.1	3040435
Mg 279.078	192388b	ppb	122.554	0.1	383829
Mn 257.610	310.024b	ppb	0.3586	0.1	73363.2
Mo 202.032	-0.6893b	ppb	0.4510	65.4	16.1702
Na 330.237	1696153xb	ppb	11322.4	0.7	74023.1
Ni 231.604	-1.1962b	ppb	1.6102	134.6	-7.4557
Pb 220.353	3.6181b	ppb	0.8935	24.7	34.1567
Sb 206.834	-4.2971b	ppb	5.1623	120.1	-7.0202
Se 196.026	0.1767b	ppb	8.8167	4988.9	10.5357
Sn 189.925	-8.1005b	ppb	1.0361	12.8	-10.4550
Sr 216.596	1348.09b	ppb	4.4340	0.3	12994.0
Ti 334.941	-2.6828b	ppb	0.0365	1.4	83.5233
Tl 190.794	-5.7054b	ppb	0.9217	16.2	-18.7502
V 292.401	0.1755b	ppb	0.1909	108.8	11.2358
Zn 206.200	0.4910b	ppb	1.6794	342.0	-4.6252

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

640-43094-i-6-a^10 (Samp) 4/17/2013, 6:28:19 PM Rack 2, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1470u	-0.7448u	-1.0000u
Al 308.215	-1.4456u	-0.3590u	6.1493
As 188.980	-10.2736u	1.2979	-1.4276u
B 249.678	211.019	206.066	199.160
Ba 389.178	55.0518	52.7506	51.9002
Be 313.042	-0.5412u	-0.5264u	-0.5234u
Ca 370.602	17008	16564	15988
Cd 226.502	-0.3288u	-0.3574u	-0.4512u
Co 228.615	-1.8087u	0.0596	-0.7340u
Cr 267.716	-0.9302u	-1.3556u	-1.0595u
Cu 324.754	-0.7745u	-0.9867u	-0.7461u
Fe 271.441	1005.95	980.779	954.755
K 766.491	7061.12	6908.19	6684.89
Mg 279.078	21479.5	20947.2	20250.3
Mn 257.610	34.6808	33.8913	32.7835
Mo 202.032	-0.6901u	-1.2582u	-0.9503u
Na 330.237	157252x	153925x	149321x
Ni 231.604	0.8809	1.3622	-0.9935u
Pb 220.353	3.0798	3.0575	4.1282
Sb 206.834	-0.3873u	-1.5592u	-8.3030u
Se 196.026	2.8610	6.9012	-6.6703u
Sn 189.925	-0.0651	-7.1916u	-9.4917u
Sr 216.596	156.973	152.018	146.242
Ti 334.941	-0.7630u	-0.7558u	-0.7764u
Tl 190.794	-1.4606u	-5.8741u	-1.9750u
V 292.401	-0.7090u	-0.5872u	-0.7211u
Zn 206.200	-2.6439u	-1.6246u	-1.6553u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9639b	ppb	0.2035	21.1	-54.4674
Al 308.215	1.4482b	ppb	4.1073	283.6	-21.0329
As 188.980	-3.4678b	ppb	6.0495	174.4	-11.5813
B 249.678	205.415b	ppb	5.9565	2.9	2568.01
Ba 389.178	53.2342b	ppb	1.6305	3.1	1214.99
Be 313.042	-0.5303b	ppb	0.0095	1.8	-321.869
Ca 370.602	16520b	ppb	511.5	3.1	45203
Cd 226.502	-0.3791b	ppb	0.0641	16.9	32.1321
Co 228.615	-0.8277b	ppb	0.9376	113.3	-10.0901
Cr 267.716	-1.1151b	ppb	0.2181	19.6	-23.1637
Cu 324.754	-0.8357b	ppb	0.1315	15.7	167.673
Fe 271.441	980.495b	ppb	25.5977	2.6	1716.30
K 766.491	6884.73b	ppb	189.207	2.7	219036
Mg 279.078	20892.3b	ppb	616.452	3.0	41712.8
Mn 257.610	33.7852b	ppb	0.9531	2.8	8375.68
Mo 202.032	-0.9662b	ppb	0.2844	29.4	14.5800
Na 330.237	153500xb	ppb	3982.38	2.6	6749.39
Ni 231.604	0.4165b	ppb	1.2446	298.8	-3.4682
Pb 220.353	3.4218b	ppb	0.6118	17.9	33.7615
Sb 206.834	-3.4165b	ppb	4.2722	125.0	-6.3135
Se 196.026	1.0306b	ppb	6.9685	676.1	10.8729
Sn 189.925	-5.5828b	ppb	4.9149	88.0	-9.1205
Sr 216.596	151.744b	ppb	5.3709	3.5	1505.85
Ti 334.941	-0.7650b	ppb	0.0104	1.4	-30.2258
Tl 190.794	-3.1032b	ppb	2.4134	77.8	-15.4782
V 292.401	-0.6724b	ppb	0.0741	11.0	-2.1069
Zn 206.200	-1.9746b	ppb	0.5798	29.4	-15.4541

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640-43125-a-1-a^10 (Samp) 4/17/2013, 6:33:53 PM Rack 2, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2763u	-0.9384u	-0.7436u
Al 308.215	-0.6022u	9.9998	3.6690
As 188.980	-2.5884u	-6.9831u	-3.8147u
B 249.678	1132.59	1138.90	1143.83
Ba 389.178	-0.1104	-0.2213	0.8033
Be 313.042	-0.5641u	-0.5612u	-0.5467u
Ca 370.602	53300	53329	53396
Cd 226.502	0.2449	0.0758	0.3322
Co 228.615	1.5654	1.3800	0.7546
Cr 267.716	-1.2200u	-0.8866u	-0.8867u
Cu 324.754	25.5577	26.0061	25.3553
Fe 271.441	1.6016	-3.7565u	-1.5291u
K 766.491	230421x	230593x	230557x
Mg 279.078	25547.4	25574.7	25563.1
Mn 257.610	545.305	545.427	545.175
Mo 202.032	3.9117	3.7794	4.4505
Na 330.237	12997.1	12725.9	12786.9
Ni 231.604	18.5302	21.5922	20.0654
Pb 220.353	2.7961	4.3058	3.2984
Sb 206.834	-1.3511u	5.0927	-4.5438u
Se 196.026	-3.0753u	-0.5246u	-1.8864u
Sn 189.925	-6.9476u	-4.2753u	-5.1767u
Sr 216.596	275.277	275.775	276.382
Ti 334.941	-0.8025u	-0.7959u	-0.8020u
Tl 190.794	3.2075	-5.3096u	-2.5659u
V 292.401	4.7507	4.4116	4.9652
Zn 206.200	5717.51	5712.93	5693.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9861b	ppb	0.2695	27.3	-59.5393
Al 308.215	4.3555b	ppb	5.3342	122.5	-14.4180
As 188.980	-4.4621b	ppb	2.2678	50.8	-11.8691
B 249.678	1138.44b	ppb	5.6302	0.5	13363.2
Ba 389.178	0.1572b	ppb	0.5623	357.6	86.3604
Be 313.042	-0.5573b	ppb	0.0093	1.7	-354.076
Ca 370.602	53342b	ppb	48.85	0.1	146153
Cd 226.502	0.2176b	ppb	0.1303	59.9	50.9035
Co 228.615	1.2334b	ppb	0.4248	34.4	10.4596
Cr 267.716	-0.9978b	ppb	0.1925	19.3	-19.8651
Cu 324.754	25.6397b	ppb	0.3331	1.3	1543.79
Fe 271.441	-1.2280b	ppb	2.6917	219.2	112.526
K 766.491	230523xb	ppb	90.9073	0.0	7318799
Mg 279.078	25561.7b	ppb	13.6603	0.1	51019.9
Mn 257.610	545.302b	ppb	0.1259	0.0	126863
Mo 202.032	4.0472b	ppb	0.3555	8.8	50.2023
Na 330.237	12836.6b	ppb	142.258	1.1	579.185
Ni 231.604	20.0626b	ppb	1.5310	7.6	46.9766
Pb 220.353	3.4668b	ppb	0.7688	22.2	33.9440
Sb 206.834	-0.2674b	ppb	4.9088	1835.7	-3.3041
Se 196.026	-1.8288b	ppb	1.2764	69.8	9.6689
Sn 189.925	-5.4665b	ppb	1.3595	24.9	-9.0628
Sr 216.596	275.811b	ppb	0.5533	0.2	2698.23
Ti 334.941	-0.8001b	ppb	0.0037	0.5	-10.9248
Tl 190.794	-1.5560b	ppb	4.3474	279.4	-14.6625
V 292.401	4.7092b	ppb	0.2791	5.9	140.354
Zn 206.200	5708.04b	ppb	12.6441	0.2	7344.93

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43125-a-6-a^10 (Samp) **4/17/2013, 6:39:28 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8167u	-0.4968u	-1.0450u
Al 308.215	5.5868	5.7334	4.0166
As 188.980	-1.8590u	0.8855	0.0985
B 249.678	1275.57	1272.52	1269.21
Ba 389.178	-0.1686	0.4515	1.1113
Be 313.042	-0.5611u	-0.5642u	-0.5583u
Ca 370.602	59363	59060	58411
Cd 226.502	0.2192	0.1731	0.1576
Co 228.615	1.0751	0.4216	0.8257
Cr 267.716	-0.6869u	-1.1653u	-0.8119u
Cu 324.754	28.1845	28.1958	27.5152
Fe 271.441	-10.7280u	-8.0221u	-3.5981u
K 766.491	252419x	251511x	249397x
Mg 279.078	28823.9	28629.5	28375.3
Mn 257.610	615.617	611.948	606.364
Mo 202.032	3.8450	4.1519	4.2102
Na 330.237	14037.9	14075.4	13718.6
Ni 231.604	22.3971	23.4547	21.3895
Pb 220.353	2.2900	3.6895	0.3234
Sb 206.834	2.2025	4.0393	-3.5220u
Se 196.026	-8.7336u	-5.8542u	-5.0909u
Sn 189.925	-2.6577u	-9.8773u	-5.0110u
Sr 216.596	305.162	303.316	300.978
Ti 334.941	-0.8473u	-0.7976u	-0.8576u
Tl 190.794	-3.0881u	-3.0488u	0.7647u
V 292.401	5.3165	5.7590	5.4755
Zn 206.200	6415.53	6352.85	6302.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7862b	ppb	0.2753	35.0	-45.4196
Al 308.215	5.1123b	ppb	0.9517	18.6	-12.7476
As 188.980	-0.2917b	ppb	1.4133	484.5	-9.2834
B 249.678	1272.43b	ppb	3.1839	0.3	14913.4
Ba 389.178	0.4647b	ppb	0.6400	137.7	100.311
Be 313.042	-0.5612b	ppb	0.0029	0.5	-360.115
Ca 370.602	58945b	ppb	486.3	0.8	161505
Cd 226.502	0.1833b	ppb	0.0320	17.5	49.7553
Co 228.615	0.7741b	ppb	0.3298	42.6	5.8931
Cr 267.716	-0.8880b	ppb	0.2481	27.9	-16.2976
Cu 324.754	27.9652b	ppb	0.3897	1.4	1664.68
Fe 271.441	-7.4494b	ppb	3.5993	48.3	102.385
K 766.491	251109xb	ppb	1550.45	0.6	7972328
Mg 279.078	28609.6b	ppb	224.954	0.8	57099.0
Mn 257.610	611.310b	ppb	4.6599	0.8	142167
Mo 202.032	4.0691b	ppb	0.1962	4.8	50.3562
Na 330.237	13944.0b	ppb	196.102	1.4	623.379
Ni 231.604	22.4138b	ppb	1.0327	4.6	53.0158
Pb 220.353	2.1010b	ppb	1.6910	80.5	31.6308
Sb 206.834	0.9066b	ppb	3.9437	435.0	-2.1494
Se 196.026	-6.5596b	ppb	1.9211	29.3	7.4948
Sn 189.925	-5.8486b	ppb	3.6820	63.0	-9.3383
Sr 216.596	303.152b	ppb	2.0964	0.7	2960.90
Ti 334.941	-0.8341b	ppb	0.0321	3.8	-7.1756
Tl 190.794	-1.7907b	ppb	2.2132	123.6	-14.9805
V 292.401	5.5170b	ppb	0.2242	4.1	161.703
Zn 206.200	6357.03b	ppb	56.5351	0.9	8179.57

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43026-B-2-A^5 (Samp) 4/17/2013, 6:45:03 PM Rack 2, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3984	-0.6308u	-0.3128u
Al 308.215	10468.3	10355.4	10219.8
As 188.980	16.6394	19.1567	14.3967
B 249.678	112.633	109.169	109.709
Ba 389.178	369.738	364.917	362.052
Be 313.042	-0.2777u	-0.2863u	-0.2808u
Ca 370.602	33782	33449	33265
Cd 226.502	5.8633	5.4921	5.1924
Co 228.615	18.8908	19.0049	19.0186
Cr 267.716	1072.89	1060.59	1047.80
Cu 324.754	4209.15	4248.57	4237.32
Fe 271.441	400676	395454	392111
K 766.491	44191.1x	43706.6x	43261.0x
Mg 279.078	4165.42	4110.03	4057.27
Mn 257.610	2732.19	2701.11	2674.08
Mo 202.032	49.0441	48.6166	49.3388
Na 330.237	11764.1	11464.9	11137.0
Ni 231.604	484.539	476.740	469.401
Pb 220.353	307.602	303.102	302.583
Sb 206.834	18.2225	16.4540	3.1796
Se 196.026	-1.9157u	1.3585	8.8424
Sn 189.925	146.575	150.022	144.260
Sr 216.596	77.3631	77.2920	76.9785
Ti 334.941	1149.92	1140.13	1127.35
Tl 190.794	-2.8792u	3.6507u	-2.0271u
V 292.401	28.8947	29.0180	28.7078
Zn 206.200	2572.79	2537.47	2514.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1817b	ppb	0.5270	290.0	19.0073
Al 308.215	10347.8b	ppb	124.427	1.2	22757.7
As 188.980	16.7309b	ppb	2.3813	14.2	-3.1532
B 249.678	110.504b	ppb	1.8637	1.7	1013.79
Ba 389.178	365.569b	ppb	3.8844	1.1	8394.44
Be 313.042	-0.2816b	ppb	0.0044	1.5	114.136
Ca 370.602	33499b	ppb	262.2	0.8	64262
Cd 226.502	5.5159b	ppb	0.3361	6.1	1106.47
Co 228.615	18.9714b	ppb	0.0702	0.4	202.508
Cr 267.716	1060.43b	ppb	12.5462	1.2	32783.0
Cu 324.754	4231.68b	ppb	20.3070	0.5	220320
Fe 271.441	396080b	ppb	4316.69	1.1	647286
K 766.491	43719.6xb	ppb	465.216	1.1	1388415
Mg 279.078	4110.91b	ppb	54.0832	1.3	8259.68
Mn 257.610	2702.46b	ppb	29.0759	1.1	627398
Mo 202.032	48.9998b	ppb	0.3631	0.7	349.771
Na 330.237	11455.4b	ppb	313.639	2.7	430.702
Ni 231.604	476.894b	ppb	7.5701	1.6	1228.36
Pb 220.353	304.429b	ppb	2.7601	0.9	546.555
Sb 206.834	12.6187b	ppb	8.2222	65.2	28.0372
Se 196.026	2.7617b	ppb	5.5146	199.7	11.9314
Sn 189.925	146.953b	ppb	2.8995	2.0	101.754
Sr 216.596	77.2112b	ppb	0.2047	0.3	927.790
Ti 334.941	1139.14b	ppb	11.3162	1.0	290708
Tl 190.794	-0.4185b	ppb	3.5497	848.1	-36.1773
V 292.401	28.8735b	ppb	0.1562	0.5	725.120
Zn 206.200	2541.61b	ppb	29.3339	1.2	3269.98

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-272923/1-a (Samp) **4/17/2013, 6:50:38 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8789u	-0.8413u	-0.7300u
Al 308.215	-0.0555u	-5.3518u	-4.8985u
As 188.980	0.9914	2.2172	-3.8582u
B 249.678	8.3601	7.7055	6.0383
Ba 389.178	-1.9336u	-2.3338u	-2.3765u
Be 313.042	-0.5251u	-0.5216u	-0.5366u
Ca 370.602	-5.750u	-7.248u	-8.367u
Cd 226.502	-0.5128u	-0.4178u	-0.4976u
Co 228.615	-0.0333u	-0.7728u	0.0422
Cr 267.716	-1.0608u	-0.8559u	-0.8654u
Cu 324.754	-0.4658u	-0.0794u	-0.3410u
Fe 271.441	6.1030	-3.0147u	-10.7934u
K 766.491	-6.1558u	-5.6637u	-6.6220u
Mg 279.078	3.3346	-2.3548u	3.4627
Mn 257.610	-1.6707u	-1.6648u	-1.7073u
Mo 202.032	-1.0339u	-0.8693u	-0.8614u
Na 330.237	-124.368u	21.8613	-33.2824u
Ni 231.604	-0.8815u	0.0763	-1.2343u
Pb 220.353	2.9660	-0.1988u	-1.9756u
Sb 206.834	1.1994	-2.6026u	1.4983
Se 196.026	-5.6184u	-4.6238u	-9.0927u
Sn 189.925	-5.1137u	-5.7238u	-2.5885u
Sr 216.596	-2.9461u	-2.0428u	-2.6543u
Ti 334.941	-0.3095u	-0.3674u	-0.4023u
Tl 190.794	-0.6477u	0.9701	-8.1292u
V 292.401	-0.9101u	-0.9400u	-1.1858u
Zn 206.200	4.4921	4.1891	2.8223

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8168	ppb	0.0774	9.5	-36.2192
Al 308.215	-3.4352	ppb	2.9357	85.5	-31.7915
As 188.980	-0.2165	ppb	3.2128	1483.9	-9.7312
B 249.678	7.3680	ppb	1.1972	16.2	278.043
Ba 389.178	-2.2147	ppb	0.2443	11.0	-26.2737
Be 313.042	-0.5278	ppb	0.0079	1.5	-306.395
Ca 370.602	-7.122	ppb	1.313	18.4	-2.191
Cd 226.502	-0.4760	ppb	0.0510	10.7	27.1544
Co 228.615	-0.2547	ppb	0.4503	176.8	-4.3493
Cr 267.716	-0.9274	ppb	0.1157	12.5	-19.2540
Cu 324.754	-0.2954	ppb	0.1972	66.7	195.457
Fe 271.441	-2.5684	ppb	8.4571	329.3	110.035
K 766.491	-6.1472	ppb	0.4792	7.8	274.553
Mg 279.078	1.4808	ppb	3.3224	224.4	37.5979
Mn 257.610	-1.6809	ppb	0.0230	1.4	38.3569
Mo 202.032	-0.9215	ppb	0.0974	10.6	14.9459
Na 330.237	-45.2632	ppb	73.8474	163.2	53.4564
Ni 231.604	-0.6799	ppb	0.6782	99.8	-6.3042
Pb 220.353	0.2639	ppb	2.5031	948.5	28.3721
Sb 206.834	0.0317	ppb	2.2863	7206.1	-2.9385
Se 196.026	-6.4450	ppb	2.3463	36.4	7.4057
Sn 189.925	-4.4754	ppb	1.6623	37.1	-8.3656
Sr 216.596	-2.5477	ppb	0.4610	18.1	24.3314
Ti 334.941	-0.3597	ppb	0.0469	13.0	-2.5529
Tl 190.794	-2.6023	ppb	4.8543	186.5	-14.8975
V 292.401	-1.0120	ppb	0.1513	14.9	-10.2021
Zn 206.200	3.8345	ppb	0.8896	23.2	8.9250

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ics 680-272923/2-a (Samp) 4/17/2013, 6:56:24 PM Rack 2, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	13.2126	13.2488	13.0635
Al 308.215	5093.17	5131.66	5118.79
As 188.980	102.738	112.357	101.798
B 249.678	193.957	194.634	195.929
Ba 389.178	101.116	102.139	102.240
Be 313.042	51.7281	51.8992	51.8106
Ca 370.602	4890	4911	4971
Cd 226.502	52.6153	52.7253	52.8356
Co 228.615	52.7251	53.1522	53.2043
Cr 267.716	103.767	104.927	105.985
Cu 324.754	103.237	104.387	103.979
Fe 271.441	4950.92	4979.66	5009.86
K 766.491	4880.33	4893.34	4945.76
Mg 279.078	4968.01	4974.98	5012.31
Mn 257.610	538.861	540.016	539.732
Mo 202.032	98.7623	99.9770	100.106
Na 330.237	4875.97	5058.05	5579.44
Ni 231.604	104.546	103.975	103.160
Pb 220.353	55.1993	52.4968	51.2167
Sb 206.834	50.4810	49.4851	47.7642
Se 196.026	94.6501	103.665	95.2252
Sn 189.925	191.522	197.798	198.585
Sr 216.596	100.328	99.7527	101.439
Ti 334.941	98.2637	98.7295	98.5322
Tl 190.794	40.0324	36.2758	38.5134
V 292.401	100.253	100.626	101.332
Zn 206.200	102.379	101.881	103.537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.1749	ppb	0.0982	0.7	1016.18
Al 308.215	5114.54	ppb	19.5946	0.4	11239.4
As 188.980	105.631	ppb	5.8442	5.5	54.6661
B 249.678	194.840	ppb	1.0020	0.5	2441.05
Ba 389.178	101.832	ppb	0.6215	0.6	2225.00
Be 313.042	51.8126	ppb	0.0855	0.2	90696.8
Ca 370.602	4924	ppb	42.14	0.9	13186
Cd 226.502	52.7254	ppb	0.1101	0.2	1842.06
Co 228.615	53.0272	ppb	0.2629	0.5	525.623
Cr 267.716	104.893	ppb	1.1093	1.1	3245.87
Cu 324.754	103.868	ppb	0.5833	0.6	5613.78
Fe 271.441	4980.14	ppb	29.4767	0.6	8260.40
K 766.491	4906.48	ppb	34.6344	0.7	156234
Mg 279.078	4985.10	ppb	23.8246	0.5	9970.79
Mn 257.610	539.536	ppb	0.6016	0.1	125421
Mo 202.032	99.6149	ppb	0.7412	0.7	728.100
Na 330.237	5171.15	ppb	365.116	7.1	278.404
Ni 231.604	103.893	ppb	0.6966	0.7	262.387
Pb 220.353	52.9709	ppb	2.0332	3.8	118.071
Sb 206.834	49.2435	ppb	1.3744	2.8	45.7405
Se 196.026	97.8466	ppb	5.0467	5.2	55.7938
Sn 189.925	195.968	ppb	3.8707	2.0	137.393
Sr 216.596	100.507	ppb	0.8573	0.9	1010.08
Ti 334.941	98.5085	ppb	0.2338	0.2	25236.7
Tl 190.794	38.2738	ppb	1.8897	4.9	23.4078
V 292.401	100.737	ppb	0.5477	0.5	2657.25
Zn 206.200	102.599	ppb	0.8497	0.8	135.674

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-272923/3-a (Samp) 4/17/2013, 7:02:01 PM Rack 2, Tube 10
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	197.515	198.684	196.555
Al 308.215	2019.97	2048.39	2037.55
As 188.980	207.318	211.275	210.078
B 249.678	384.728	385.608	387.790
Ba 389.178	195.597	197.365	195.989
Be 313.042	205.100	205.548	205.342
Ca 370.602	19570	19672	19647
Cd 226.502	206.081	205.979	205.903
Co 228.615	207.538	206.563	206.502
Cr 267.716	204.076	206.028	206.654
Cu 324.754	208.255	206.381	207.867
Fe 271.441	20374.5	20403.9	20419.7
K 766.491	19660.1	19652.4	19695.6
Mg 279.078	19793.7	19821.8	19811.6
Mn 257.610	2132.11	2130.91	2130.02
Mo 202.032	195.455	197.910	197.071
Na 330.237	17670.4	17903.5	17721.2
Ni 231.604	202.527	204.415	204.681
Pb 220.353	198.705	198.205	201.681
Sb 206.834	186.250	185.040	190.859
Se 196.026	188.013	192.474	191.528
Sn 189.925	190.686	190.448	189.426
Sr 216.596	208.344	211.095	209.785
Ti 334.941	194.512	195.649	195.508
Tl 190.794	45.0990	42.3352	40.7874
V 292.401	200.395	200.196	200.267
Zn 206.200	193.912	192.679	192.288

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	197.584	ppb	1.0662	0.5	14910.7
Al 308.215	2035.30	ppb	14.3413	0.7	4464.95
As 188.980	209.557	ppb	2.0294	1.0	117.872
B 249.678	386.042	ppb	1.5768	0.4	4635.15
Ba 389.178	196.317	ppb	0.9283	0.5	4308.64
Be 313.042	205.330	ppb	0.2240	0.1	357648
Ca 370.602	19630	ppb	52.79	0.3	52442
Cd 226.502	205.988	ppb	0.0895	0.0	7072.80
Co 228.615	206.868	ppb	0.5818	0.3	2056.89
Cr 267.716	205.586	ppb	1.3450	0.7	6356.80
Cu 324.754	207.501	ppb	0.9890	0.5	11007.7
Fe 271.441	20399.4	ppb	22.9072	0.1	33478.1
K 766.491	19669.4	ppb	23.0264	0.1	624904
Mg 279.078	19809.0	ppb	14.2234	0.1	39522.6
Mn 257.610	2131.02	ppb	1.0478	0.0	494118
Mo 202.032	196.812	ppb	1.2478	0.6	1417.04
Na 330.237	17765.0	ppb	122.582	0.7	822.491
Ni 231.604	203.875	ppb	1.1742	0.6	519.494
Pb 220.353	199.530	ppb	1.8791	0.9	367.968
Sb 206.834	187.383	ppb	3.0709	1.6	182.931
Se 196.026	190.672	ppb	2.3507	1.2	99.1089
Sn 189.925	190.187	ppb	0.6698	0.4	133.198
Sr 216.596	209.741	ppb	1.3762	0.7	2059.98
Ti 334.941	195.223	ppb	0.6199	0.3	49967.2
Tl 190.794	42.7405	ppb	2.1842	5.1	24.7789
V 292.401	200.286	ppb	0.1006	0.1	5267.59
Zn 206.200	192.960	ppb	0.8475	0.4	251.630

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89208-a-1-c (Samp) **4/17/2013, 7:07:37 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7074u	-0.9138u	-0.4083u
Al 308.215	0.7339	1.5881	1.9030
As 188.980	0.9894	3.0351	-1.4381u
B 249.678	8.2094	7.7654	7.2220
Ba 389.178	20.8230	22.8960	22.6197
Be 313.042	-0.5219u	-0.4899u	-0.4346u
Ca 370.602	19634	19778	19730
Cd 226.502	-0.4797u	-0.5027u	-0.3995u
Co 228.615	-0.7666u	-0.4365u	-0.7255u
Cr 267.716	-0.9543u	-0.7297u	-0.7056u
Cu 324.754	-0.4540u	-1.1397u	0.1410
Fe 271.441	1773.23	1771.93	1773.88
K 766.491	995.524	998.042	1009.93
Mg 279.078	5264.49	5292.75	5275.64
Mn 257.610	455.290	456.982	455.746
Mo 202.032	-0.7879u	0.1010	-0.5360u
Na 330.237	10144.7	10300.7	10450.1
Ni 231.604	0.5924	-0.7843u	0.5024
Pb 220.353	-2.3259u	3.4207	4.2948
Sb 206.834	1.5213	-2.1720u	2.8916
Se 196.026	-9.0613u	-12.8348u	-7.8223u
Sn 189.925	-6.7271u	-5.3544u	-5.9345u
Sr 216.596	180.006	182.666	180.913
Ti 334.941	-0.4590u	-0.4932u	-0.4427u
Tl 190.794	-1.5090u	-0.9064u	0.4028u
V 292.401	-1.2448u	-1.4500u	-0.6813u
Zn 206.200	-1.5807u	-1.7365u	-1.0927u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6765	ppb	0.2542	37.6	-32.0444
Al 308.215	1.4083	ppb	0.6049	43.0	-21.0864
As 188.980	0.8621	ppb	2.2394	259.8	-8.9256
B 249.678	7.7322	ppb	0.4945	6.4	280.204
Ba 389.178	22.1129	ppb	1.1256	5.1	510.694
Be 313.042	-0.4821	ppb	0.0442	9.2	-222.128
Ca 370.602	19714	ppb	73.56	0.4	53907
Cd 226.502	-0.4606	ppb	0.0542	11.8	31.6243
Co 228.615	-0.6429	ppb	0.1799	28.0	-8.2913
Cr 267.716	-0.7965	ppb	0.1372	17.2	-13.5659
Cu 324.754	-0.4842	ppb	0.6409	132.3	186.214
Fe 271.441	1773.01	ppb	0.9891	0.1	3011.25
K 766.491	1001.16	ppb	7.6915	0.8	32253.2
Mg 279.078	5277.63	ppb	14.2347	0.3	10556.4
Mn 257.610	456.006	ppb	0.8754	0.2	106069
Mo 202.032	-0.4076	ppb	0.4581	112.4	18.5061
Na 330.237	10298.5	ppb	152.697	1.5	504.132
Ni 231.604	0.1035	ppb	0.7702	744.2	-4.2561
Pb 220.353	1.7965	ppb	3.5968	200.2	31.0842
Sb 206.834	0.7470	ppb	2.6191	350.6	-2.2051
Se 196.026	-9.9061	ppb	2.6109	26.4	5.9082
Sn 189.925	-6.0053	ppb	0.6891	11.5	-9.4679
Sr 216.596	181.195	ppb	1.3523	0.7	1788.89
Ti 334.941	-0.4650	ppb	0.0258	5.5	-8.2460
Tl 190.794	-0.6709	ppb	0.9774	145.7	-13.7748
V 292.401	-1.1254	ppb	0.3980	35.4	-13.3687
Zn 206.200	-1.4700	ppb	0.3359	22.8	-2.1031

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89208-a-1-d ms (Samp) **4/17/2013, 7:13:13 PM** **Rack 2, Tube 12****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	33.2237	32.5646	32.7716
Al 308.215	5081.39	5088.42	5129.89
As 188.980	106.172	103.096	97.3841
B 249.678	194.798	194.129	195.362
Ba 389.178	123.135	124.308	124.757
Be 313.042	51.7771	51.7164	51.7540
Ca 370.602	24322	24307	24357
Cd 226.502	52.5056	52.0820	52.1666
Co 228.615	52.5400	52.6401	52.4021
Cr 267.716	103.230	103.072	104.254
Cu 324.754	105.500	105.082	103.154
Fe 271.441	6693.96	6710.86	6716.12
K 766.491	6048.97	6022.74	6012.22
Mg 279.078	10240.5	10252.1	10255.7
Mn 257.610	992.193	992.831	992.024
Mo 202.032	98.5832	98.7170	98.5346
Na 330.237	15441.2	15562.5	15484.5
Ni 231.604	102.028	102.700	102.461
Pb 220.353	50.8040	51.9603	51.2736
Sb 206.834	49.4164	46.2629	47.4044
Se 196.026	95.4425	86.9331	100.424
Sn 189.925	193.457	188.978	194.218
Sr 216.596	280.811	280.594	281.952
Ti 334.941	97.6224	98.0219	97.6698
Tl 190.794	38.1465	38.8915	36.0885
V 292.401	99.9163	99.9306	100.311
Zn 206.200	101.838	99.1524	103.382

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.8533	ppb	0.3371	1.0	2492.35
Al 308.215	5099.90	ppb	26.2088	0.5	11207.1
As 188.980	102.217	ppb	4.4592	4.4	52.7348
B 249.678	194.763	ppb	0.6173	0.3	2438.16
Ba 389.178	124.067	ppb	0.8377	0.7	2716.98
Be 313.042	51.7491	ppb	0.0306	0.1	90591.4
Ca 370.602	24329	ppb	25.36	0.1	66232
Cd 226.502	52.2514	ppb	0.2242	0.4	1829.83
Co 228.615	52.5274	ppb	0.1195	0.2	520.597
Cr 267.716	103.519	ppb	0.6419	0.6	3205.12
Cu 324.754	104.579	ppb	1.2514	1.2	5651.27
Fe 271.441	6706.98	ppb	11.5784	0.2	11081.8
K 766.491	6027.98	ppb	18.9252	0.3	191837
Mg 279.078	10249.5	ppb	7.9446	0.1	20466.2
Mn 257.610	992.350	ppb	0.4257	0.0	230323
Mo 202.032	98.6116	ppb	0.0945	0.1	720.895
Na 330.237	15496.1	ppb	61.4752	0.4	728.247
Ni 231.604	102.396	ppb	0.3407	0.3	258.577
Pb 220.353	51.3459	ppb	0.5815	1.1	115.404
Sb 206.834	47.6945	ppb	1.5966	3.3	44.2553
Se 196.026	94.2667	ppb	6.8220	7.2	54.2403
Sn 189.925	192.218	ppb	2.8314	1.5	134.676
Sr 216.596	281.119	ppb	0.7298	0.3	2744.64
Ti 334.941	97.7714	ppb	0.2182	0.2	25069.8
Tl 190.794	37.7089	ppb	1.4518	3.9	22.1406
V 292.401	100.053	ppb	0.2240	0.2	2639.31
Zn 206.200	101.457	ppb	2.1493	2.1	134.209

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Cont Calib Verif (CCV) 4/17/2013, 7:18:48 PM Rack 2, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	488.175	489.952	496.264
Al 308.215	4910.28	4862.67	4930.92
As 188.980	483.577	474.962	485.095
B 249.678	506.851	512.465	516.867
Ba 389.178	5129.87	5132.29	5154.20
Be 313.042	517.531	519.482	520.694
Ca 370.602	4995	4990	5046
Cd 226.502	518.990	522.289	525.071
Co 228.615	523.375	526.896	527.753
Cr 267.716	5165.36	5135.31	5196.02
Cu 324.754	5229.26	5228.39	5244.04
Fe 271.441	4998.91	4994.24	5030.42
K 766.491	9990.47	9982.72	10011.1
Mg 279.078	4995.02	5015.74	5052.25
Mn 257.610	5242.59	5260.33	5290.86
Mo 202.032	492.384	494.110	497.248
Na 330.237	7306.74	7402.87	7285.18
Ni 231.604	2625.22	2630.29	2643.73
Pb 220.353	499.090	505.763	508.363
Sb 206.834	927.486	926.952	942.768
Se 196.026	5035.04	5036.65	5054.67
Sn 189.925	5078.13	4996.71	5052.64
Sr 216.596	2524.29	2526.64	2549.81
Ti 334.941	495.939	495.653	498.590
Tl 190.794	5067.56	5086.08	5100.54
V 292.401	4992.13	5006.47	5014.63
Zn 206.200	2597.88	2621.11	2631.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.464	ppb	4.2510	0.9	36987.8	98.29274
Al 308.215	4901.29	ppb	35.0014	0.7	10756.5	98.02583
As 188.980	481.211	ppb	5.4651	1.1	283.190	96.24226
B 249.678	512.061	ppb	5.0203	1.0	6110.69	20.48244Q
Ba 389.178	5138.79	ppb	13.4005	0.3	110290	102.77575
Be 313.042	519.235	ppb	1.5959	0.3	903323	103.84707
Ca 370.602	5010	ppb	30.62	0.6	13633	100.20551
Cd 226.502	522.117	ppb	3.0441	0.6	17757.3	104.42332
Co 228.615	526.008	ppb	2.3205	0.4	5244.88	105.20161
Cr 267.716	5165.56	ppb	30.3533	0.6	159302	103.31125
Cu 324.754	5233.90	ppb	8.7951	0.2	272261	104.67790
Fe 271.441	5007.86	ppb	19.6830	0.4	8419.76	100.15711
K 766.491	9994.76	ppb	14.6632	0.1	317769	99.94762
Mg 279.078	5021.00	ppb	28.9717	0.6	9970.71	100.42007
Mn 257.610	5264.60	ppb	24.4167	0.5	1219691	105.29192
Mo 202.032	494.581	ppb	2.4660	0.5	3522.43	98.91615
Na 330.237	7331.60	ppb	62.6590	0.9	354.138	97.75462
Ni 231.604	2633.08	ppb	9.5627	0.4	6758.42	105.32327
Pb 220.353	504.405	ppb	4.7830	0.9	887.521	100.88106
Sb 206.834	932.402	ppb	8.9811	1.0	963.786	93.24020
Se 196.026	5042.12	ppb	10.8974	0.2	2345.15	100.84240
Sn 189.925	5042.50	ppb	41.6443	0.8	3661.62	100.84990
Sr 216.596	2533.58	ppb	14.1061	0.6	24292.6	101.34324
Ti 334.941	496.727	ppb	1.6193	0.3	126811	99.34543
Tl 190.794	5084.73	ppb	16.5299	0.3	4868.66	101.69452
V 292.401	5004.41	ppb	11.3911	0.2	131986	100.08816
Zn 206.200	2616.69	ppb	17.0297	0.7	3356.06	104.66751

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 7:24:23 PM Rack 2, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8306u	-0.7230u	-0.6311u
Al 308.215	-7.3086u	-5.0767u	-3.1081u
As 188.980	1.8073	-1.2038u	0.5223
B 249.678	3.1537	2.8572	2.1094
Ba 389.178	-0.5275u	-0.8935u	-0.6808u
Be 313.042	-0.4797u	-0.4612u	-0.4437u
Ca 370.602	-7.199u	-2.337u	-6.931u
Cd 226.502	-0.4188u	-0.4714u	-0.4515u
Co 228.615	-0.8386u	-0.9352u	-0.1177u
Cr 267.716	-0.5343u	-0.3446u	-0.1983u
Cu 324.754	-0.4020u	-0.1785u	-0.4100u
Fe 271.441	-18.1953u	-18.1081u	-12.3815u
K 766.491	-4.6874u	-3.5053u	-4.0547u
Mg 279.078	0.6415	0.3971	1.5059
Mn 257.610	-0.9666u	-0.6768u	-0.4298u
Mo 202.032	-0.2320u	-0.4472u	-0.2838u
Na 330.237	-260.874u	-199.557u	-73.3251u
Ni 231.604	-0.6742u	-0.3045u	0.4644
Pb 220.353	0.0378	2.3364	0.3164
Sb 206.834	2.6408	5.2574	1.4255
Se 196.026	-7.2857u	5.5965	-6.2240u
Sn 189.925	-5.3008u	-4.8233u	-1.5676u
Sr 216.596	-2.3697u	-2.5053u	-2.2722u
Ti 334.941	-0.3974u	-0.4272u	-0.3943u
Tl 190.794	6.3656	1.1917	3.2938
V 292.401	-0.1939u	-0.0674u	0.1448
Zn 206.200	-2.2678u	-1.1272u	-1.5624u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7282	ppb	0.0998	13.7	-29.5516	-0.72822
Al 308.215	-5.1645	ppb	2.1016	40.7	-35.5695	-5.16446
As 188.980	0.3753	ppb	1.5109	402.6	-9.3710	0.37528
B 249.678	2.7067	ppb	0.5382	19.9	224.136	2.70674
Ba 389.178	-0.7006	ppb	0.1838	26.2	6.1921	-0.70063
Be 313.042	-0.4615	ppb	0.0180	3.9	-191.339	-0.46154
Ca 370.602	-5.489	ppb	2.733	49.8	3.282	-5.48902
Cd 226.502	-0.4472	ppb	0.0266	5.9	28.1019	-0.44722
Co 228.615	-0.6305	ppb	0.4467	70.9	-8.1111	-0.63050
Cr 267.716	-0.3591	ppb	0.1685	46.9	-1.7335	-0.35906
Cu 324.754	-0.3302	ppb	0.1314	39.8	193.656	-0.33016
Fe 271.441	-16.2283	ppb	3.3317	20.5	87.7848	-16.22831
K 766.491	-4.0825	ppb	0.5916	14.5	340.100	-4.08248
Mg 279.078	0.8482	ppb	0.5826	68.7	36.3183	0.84816
Mn 257.610	-0.6910	ppb	0.2687	38.9	267.562	-0.69104
Mo 202.032	-0.3210	ppb	0.1123	35.0	19.2074	-0.32098
Na 330.237	-177.919	ppb	95.6283	53.7	47.7096	-177.91869
Ni 231.604	-0.1714	ppb	0.5808	338.9	-4.9986	-0.17140
Pb 220.353	0.8969	ppb	1.2545	139.9	29.4499	0.89685
Sb 206.834	3.1079	ppb	1.9582	63.0	0.0878	3.10789
Se 196.026	-2.6377	ppb	7.1508	271.1	9.1680	-2.63772
Sn 189.925	-3.8972	ppb	2.0316	52.1	-7.9453	-3.89724
Sr 216.596	-2.3824	ppb	0.1171	4.9	25.8771	-2.38239
Ti 334.941	-0.4063	ppb	0.0182	4.5	-14.4173	-0.40628
Tl 190.794	3.6171	ppb	2.6021	71.9	-8.9212	3.61706
V 292.401	-0.0388	ppb	0.1711	440.5	15.3639	-0.03885
Zn 206.200	-1.6525	ppb	0.5756	34.8	515.8666	-1.65248

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680-89208-a-1-e msd (Samp) **4/17/2013, 7:29:58 PM** **Rack 2, Tube 15****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	16.2987	16.5297	16.2240
Al 308.215	5210.36	5189.10	5165.54
As 188.980	109.187	105.726	112.997
B 249.678	196.413	197.395	198.791
Ba 389.178	126.042	126.739	126.674
Be 313.042	52.6393	52.5327	52.5994
Ca 370.602	24622	24585	24561
Cd 226.502	52.5948	53.0561	52.6165
Co 228.615	52.9814	52.1472	52.8829
Cr 267.716	105.225	105.858	105.420
Cu 324.754	104.223	105.131	106.349
Fe 271.441	6835.04	6837.72	6821.31
K 766.491	6115.48	6124.50	6116.88
Mg 279.078	10352.8	10338.7	10350.8
Mn 257.610	1003.00	1001.14	1002.88
Mo 202.032	100.059	99.3637	100.088
Na 330.237	15861.5	15677.8	15404.8
Ni 231.604	101.710	101.858	101.819
Pb 220.353	56.1682	50.8086	51.3272
Sb 206.834	51.7344	52.4788	49.5526
Se 196.026	103.844	97.0376	89.7895
Sn 189.925	197.030	199.876	196.310
Sr 216.596	283.479	283.370	283.587
Ti 334.941	99.1107	99.2639	99.0510
Tl 190.794	38.8139	40.9612	39.7531
V 292.401	101.141	101.382	101.748
Zn 206.200	103.015	99.3399	102.324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.3508	ppb	0.1594	1.0	1249.21
Al 308.215	5188.33	ppb	22.4187	0.4	11401.8
As 188.980	109.304	ppb	3.6367	3.3	57.0489
B 249.678	197.533	ppb	1.1947	0.6	2470.07
Ba 389.178	126.485	ppb	0.3851	0.3	2769.25
Be 313.042	52.5905	ppb	0.0538	0.1	92054.3
Ca 370.602	24589	ppb	30.31	0.1	66938
Cd 226.502	52.7558	ppb	0.2603	0.5	1847.19
Co 228.615	52.6705	ppb	0.4559	0.9	522.030
Cr 267.716	105.501	ppb	0.3238	0.3	3266.29
Cu 324.754	105.235	ppb	1.0669	1.0	5685.40
Fe 271.441	6831.35	ppb	8.8024	0.1	11285.0
K 766.491	6118.96	ppb	4.8542	0.1	194726
Mg 279.078	10347.5	ppb	7.6267	0.1	20661.5
Mn 257.610	1002.34	ppb	1.0393	0.1	232637
Mo 202.032	99.8367	ppb	0.4099	0.4	729.582
Na 330.237	15648.0	ppb	229.817	1.5	734.836
Ni 231.604	101.795	ppb	0.0769	0.1	257.037
Pb 220.353	52.7680	ppb	2.9561	5.6	117.827
Sb 206.834	51.2553	ppb	1.5208	3.0	47.7706
Se 196.026	96.8904	ppb	7.0285	7.3	55.4568
Sn 189.925	197.739	ppb	1.8854	1.0	138.691
Sr 216.596	283.479	ppb	0.1084	0.0	2767.31
Ti 334.941	99.1419	ppb	0.1098	0.1	25419.8
Tl 190.794	39.8427	ppb	1.0764	2.7	24.1716
V 292.401	101.423	ppb	0.3055	0.3	2675.38
Zn 206.200	101.560	ppb	1.9531	1.9	134.337

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89208-a-2-c (Samp) 4/17/2013, 7:35:33 PM Rack 2, Tube 16

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0246u	-1.0081u	-0.9302u
Al 308.215	51.3422	53.7907	53.6251
As 188.980	-5.5352u	0.7280	-1.2815u
B 249.678	25.4727	24.7413	24.8910
Ba 389.178	23.1659	22.6534	22.0365
Be 313.042	-0.5297u	-0.5288u	-0.5192u
Ca 370.602	10389	10358	10309
Cd 226.502	-0.4353u	-0.4529u	-0.4492u
Co 228.615	-2.0111u	-0.7277u	-0.1556u
Cr 267.716	-1.1771u	-1.2085u	-0.7680u
Cu 324.754	0.1196	0.7067	0.0148
Fe 271.441	118.834	108.718	109.726
K 766.491	1770.96	1767.75	1768.01
Mg 279.078	2397.22	2395.72	2396.10
Mn 257.610	63.9046	63.7736	63.6331
Mo 202.032	0.1791	0.5849	0.1882
Na 330.237	26776.1	26664.5	26790.1
Ni 231.604	0.2856	-0.1321u	-0.8093u
Pb 220.353	-0.6173u	1.0899	2.2970
Sb 206.834	1.2403	4.9839	-3.6552u
Se 196.026	-14.8236u	-1.7881u	1.8813
Sn 189.925	-0.0915u	-6.9090u	-5.2382u
Sr 216.596	85.0411	85.0684	84.3395
Ti 334.941	0.3860	0.5619	0.3342
Tl 190.794	-2.1656u	-1.4190u	-0.4631u
V 292.401	-0.8729u	-0.3388u	-0.7827u
Zn 206.200	3.0750	2.7930	2.8890

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9877	ppb	0.0504	5.1	-52.7665
Al 308.215	52.9194	ppb	1.3684	2.6	92.3316
As 188.980	-2.0295	ppb	3.1979	157.6	-10.7490
B 249.678	25.0350	ppb	0.3864	1.5	482.295
Ba 389.178	22.6186	ppb	0.5655	2.5	512.391
Be 313.042	-0.5259	ppb	0.0058	1.1	-302.817
Ca 370.602	10352	ppb	40.33	0.4	28370
Cd 226.502	-0.4458	ppb	0.0092	2.1	28.3328
Co 228.615	-0.9648	ppb	0.9502	98.5	-11.4434
Cr 267.716	-1.0512	ppb	0.2458	23.4	-22.5901
Cu 324.754	0.2804	ppb	0.3729	133.0	225.457
Fe 271.441	112.426	ppb	5.5723	5.0	297.920
K 766.491	1768.90	ppb	1.7861	0.1	56626.3
Mg 279.078	2396.35	ppb	0.7774	0.0	4814.17
Mn 257.610	63.7704	ppb	0.1358	0.2	15210.4
Mo 202.032	0.3174	ppb	0.2317	73.0	23.7334
Na 330.237	26743.5	ppb	68.7905	0.3	1221.70
Ni 231.604	-0.2186	ppb	0.5526	252.8	-5.1172
Pb 220.353	0.9232	ppb	1.4643	158.6	29.5076
Sb 206.834	0.8563	ppb	4.3324	505.9	-2.1407
Se 196.026	-4.9101	ppb	8.7791	178.8	8.1311
Sn 189.925	-4.0796	ppb	3.5534	87.1	-8.0663
Sr 216.596	84.8163	ppb	0.4132	0.5	863.105
Ti 334.941	0.4273	ppb	0.1193	27.9	206.285
Tl 190.794	-1.3492	ppb	0.8534	63.3	-13.7917
V 292.401	-0.6648	ppb	0.2859	43.0	-1.4195
Zn 206.200	2.9190	ppb	0.1434	4.9	7.7474

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89187-a-1-a^5 (Samp) 4/17/2013, 7:41:07 PM Rack 2, Tube 17
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7800u	-0.9921u	-0.8507u
Al 308.215	42.8283	49.4962	46.4612
As 188.980	-5.0382u	-0.0479	3.7442
B 249.678	980.329	977.719	972.605
Ba 389.178	-1.2715	-3.2951	-3.6072
Be 313.042	-0.3855u	-0.3885u	-0.3878u
Ca 370.602	84473	83790	83061
Cd 226.502	0.2102u	0.0702u	0.2753u
Co 228.615	-1.0210u	-1.3601u	-0.7081u
Cr 267.716	-2.6826u	-2.5562u	-2.0664u
Cu 324.754	81.6506	80.2206	80.1996
Fe 271.441	133.230	129.981	129.962
K 766.491	157031x	156345x	154808x
Mg 279.078	277046	275169	272678
Mn 257.610	57.4945	57.2785	56.6995
Mo 202.032	-0.0806u	-0.3254u	-0.7933u
Na 330.237	3156344x	3139325x	3112461x
Ni 231.604	24.9476	26.5732	26.5659
Pb 220.353	5.4472	3.4252	5.4982
Sb 206.834	0.8465	8.2805	-3.7888u
Se 196.026	18.2958	0.1295	8.2053
Sn 189.925	-7.9571u	-15.0317u	-4.4495u
Sr 216.596	1594.46	1575.96	1564.54
Ti 334.941	-3.9669u	-3.9725u	-3.9587u
Tl 190.794	-7.4264u	-1.8422u	-4.8710u
V 292.401	0.4831u	0.4576u	-0.2012u
Zn 206.200	35.5957	37.8640	37.6527

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8743b	ppb	0.1080	12.4	-116.295
Al 308.215	46.2619b	ppb	3.3384	7.2	77.6509
As 188.980	-0.4473b	ppb	4.4048	984.8	-9.1737
B 249.678	976.884b	ppb	3.9290	0.4	11494.0
Ba 389.178	-2.7246b	ppb	1.2681	46.5	626.827
Be 313.042	-0.3873b	ppb	0.0015	0.4	-364.796
Ca 370.602	83775b	ppb	706.3	0.8	229500
Cd 226.502	0.1852b	ppb	0.1048	56.6	38.1206
Co 228.615	-1.0298b	ppb	0.3261	31.7	-12.0029
Cr 267.716	-2.4351b	ppb	0.3254	13.4	-32.0660
Cu 324.754	80.6903b	ppb	0.8317	1.0	4405.59
Fe 271.441	131.058b	ppb	1.8811	1.4	328.400
K 766.491	156061xb	ppb	1138.44	0.7	4954884
Mg 279.078	274964b	ppb	2191.49	0.8	548565
Mn 257.610	57.1575b	ppb	0.4111	0.7	15249.9
Mo 202.032	-0.3998b	ppb	0.3621	90.6	18.6419
Na 330.237	3136043xb	ppb	22124.4	0.7	136819
Ni 231.604	26.0289b	ppb	0.9365	3.6	62.2978
Pb 220.353	4.7902b	ppb	1.1824	24.7	36.0987
Sb 206.834	1.7794b	ppb	6.0885	342.2	-1.2318
Se 196.026	8.8768b	ppb	9.1017	102.5	14.5119
Sn 189.925	-9.1461b	ppb	5.3904	58.9	-10.8215
Sr 216.596	1578.32b	ppb	15.0996	1.0	15192.3
Ti 334.941	-3.9660b	ppb	0.0069	0.2	-2.5368
Tl 190.794	-4.7132b	ppb	2.7955	59.3	-17.0250
V 292.401	0.2465b	ppb	0.3879	157.4	3.7876
Zn 206.200	37.0375b	ppb	1.2531	3.4	5156271

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89187-a-2-a^5 (Samp) 4/17/2013, 7:46:42 PM Rack 2, Tube 18
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6748u	-1.0279u	-0.5063u
Al 308.215	41.6331	40.2935	37.9797
As 188.980	-3.0222u	-1.3608u	5.3370
B 249.678	1054.59	1053.10	1054.26
Ba 389.178	-3.0098	-2.4089	-2.9685
Be 313.042	-0.3927u	-0.3774u	-0.3966u
Ca 370.602	88738	88130	87786
Cd 226.502	0.1901u	0.2192u	0.2569u
Co 228.615	-1.1090u	-0.7774u	-1.3170u
Cr 267.716	-2.9483u	-2.8123u	-2.7144u
Cu 324.754	286.498	284.475	284.711
Fe 271.441	31.0200	39.1590	28.0463
K 766.491	169021x	165149x	159746x
Mg 279.078	294248	292093	291081
Mn 257.610	21.0551	21.3294	20.7592
Mo 202.032	0.3527	0.8855	0.9927
Na 330.237	3354380x	3329133x	3354090x
Ni 231.604	127.421	127.113	127.273
Pb 220.353	6.6637	9.4695	6.9144
Sb 206.834	-1.6623u	4.2763	-8.2557u
Se 196.026	7.9059	4.4759	8.3976
Sn 189.925	-3.7190u	-6.4064u	-5.7847u
Sr 216.596	1674.76	1658.08	1651.30
Ti 334.941	-4.3894u	-4.3397u	-4.3236u
Tl 190.794	-10.2598u	-1.5095u	-7.6266u
V 292.401	0.3605u	0.3734u	0.2202u
Zn 206.200	23.0759	21.3137	19.3430

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7363b	ppb	0.2662	36.2	-110.283
Al 308.215	39.9688b	ppb	1.8482	4.6	63.8521
As 188.980	0.3180b	ppb	4.4253	1391.6	-8.6702
B 249.678	1053.98b	ppb	0.7867	0.1	12386.0
Ba 389.178	-2.7957b	ppb	0.3357	12.0	667.552
Be 313.042	-0.3889b	ppb	0.0101	2.6	-388.454
Ca 370.602	88218b	ppb	482.2	0.5	241678
Cd 226.502	0.2221b	ppb	0.0335	15.1	38.3516
Co 228.615	-1.0678b	ppb	0.2722	25.5	-12.4074
Cr 267.716	-2.8250b	ppb	0.1174	4.2	-41.9396
Cu 324.754	285.228b	ppb	1.1061	0.4	15038.6
Fe 271.441	32.7418b	ppb	5.7529	17.6	167.745
K 766.491	164639xb	ppb	4658.20	2.8	5227182
Mg 279.078	292474b	ppb	1617.42	0.6	583496
Mn 257.610	21.0479b	ppb	0.2851	1.4	6988.13
Mo 202.032	0.7436b	ppb	0.3428	46.1	26.7621
Na 330.237	3345868xb	ppb	14493.7	0.4	145970
Ni 231.604	127.269b	ppb	0.1540	0.1	322.323
Pb 220.353	7.6825b	ppb	1.5527	20.2	41.0185
Sb 206.834	-1.8806b	ppb	6.2688	333.3	-4.8521
Se 196.026	6.9265b	ppb	2.1364	30.8	13.6011
Sn 189.925	-5.3033b	ppb	1.4069	26.5	-7.9640
Sr 216.596	1661.38b	ppb	12.0766	0.7	15987.6
Ti 334.941	-4.3509b	ppb	0.0343	0.8	-42.8070
Tl 190.794	-6.4653b	ppb	4.4893	69.4	-18.6541
V 292.401	0.3180b	ppb	0.0850	26.7	4.1687
Zn 206.200	21.2442b	ppb	1.8674	8.8	3153160

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89171-a-1-b (Samp) 4/17/2013, 7:52:17 PM Rack 2, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7019u	-0.9204u	-0.9169u
Al 308.215	8.2954	7.9853	6.6979
As 188.980	-3.1362u	3.2483	-0.6180u
B 249.678	15.4760	13.0957	12.5192
Ba 389.178	44.1664	44.2811	44.4190
Be 313.042	-0.5383u	-0.5365u	-0.5338u
Ca 370.602	17211	17182	17203
Cd 226.502	-0.4571u	-0.4634u	-0.4794u
Co 228.615	-0.8126u	-0.1049u	-0.4709u
Cr 267.716	-1.3313u	-0.9569u	-0.8503u
Cu 324.754	-1.1867u	-0.8206u	-0.8489u
Fe 271.441	193.407	194.403	198.240
K 766.491	723.277	721.618	724.167
Mg 279.078	2409.36	2404.10	2410.53
Mn 257.610	444.681	443.569	444.438
Mo 202.032	-0.1547u	-0.2221u	0.0384
Na 330.237	7890.09	7756.97	7855.87
Ni 231.604	0.6520	-1.2006u	0.0355
Pb 220.353	4.2301	1.5353	-0.4181u
Sb 206.834	2.9963	-0.5348u	1.2695
Se 196.026	-4.6977u	5.7423	-1.8914u
Sn 189.925	-6.2762u	-7.0862u	-8.8201u
Sr 216.596	574.785	573.640	572.264
Ti 334.941	-0.5110u	-0.4345u	-0.3880u
Tl 190.794	-1.6101u	-1.2404u	-2.1676u
V 292.401	-1.5052u	-1.1557u	-1.1569u
Zn 206.200	-2.4311u	-1.7433u	0.0701

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8464	ppb	0.1252	14.8	-62.6310
Al 308.215	7.6595	ppb	0.8471	11.1	-7.3099
As 188.980	-0.1686	ppb	3.2159	1906.8	-9.5590
B 249.678	13.6970	ppb	1.5674	11.4	351.035
Ba 389.178	44.2888	ppb	0.1265	0.3	977.391
Be 313.042	-0.5362	ppb	0.0022	0.4	-316.625
Ca 370.602	17199	ppb	14.69	0.1	47128
Cd 226.502	-0.4667	ppb	0.0115	2.5	27.8968
Co 228.615	-0.4628	ppb	0.3539	76.5	-6.4599
Cr 267.716	-1.0462	ppb	0.2526	24.1	-21.5650
Cu 324.754	-0.9521	ppb	0.2037	21.4	161.413
Fe 271.441	195.350	ppb	2.5520	1.3	433.425
K 766.491	723.021	ppb	1.2936	0.2	23423.1
Mg 279.078	2408.00	ppb	3.4279	0.1	4831.66
Mn 257.610	444.229	ppb	0.5845	0.1	103321
Mo 202.032	-0.1128	ppb	0.1352	119.9	20.6769
Na 330.237	7834.31	ppb	69.1313	0.9	397.071
Ni 231.604	-0.1710	ppb	0.9434	551.6	-4.9934
Pb 220.353	1.7824	ppb	2.3340	130.9	31.0572
Sb 206.834	1.2436	ppb	1.7657	142.0	-1.7565
Se 196.026	-0.2823	ppb	5.4028	1914.0	10.3610
Sn 189.925	-7.3942	ppb	1.2996	17.6	-10.4795
Sr 216.596	573.563	ppb	1.2619	0.2	5550.93
Ti 334.941	-0.4445	ppb	0.0621	14.0	-14.8035
Tl 190.794	-1.6727	ppb	0.4668	27.9	-14.6431
V 292.401	-1.2726	ppb	0.2014	15.8	-17.3277
Zn 206.200	-1.3681	ppb	1.2921	94.4	-2.2343

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89265-a-1-a (Samp) 4/17/2013, 7:57:52 PM Rack 2, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2900u	-1.0295u	-0.5621u
Al 308.215	1.7103	-3.2516u	-2.9883u
As 188.980	8.6710	-2.9908u	-5.3460u
B 249.678	13.3097	13.4177	13.0206
Ba 389.178	23.2488	24.0024	23.4511
Be 313.042	-0.5465u	-0.5428u	-0.5429u
Ca 370.602	12349	12400	12315
Cd 226.502	-0.4541u	-0.6668u	-0.5021u
Co 228.615	-0.6184u	-0.1659u	-0.9192u
Cr 267.716	-1.2025u	-0.9354u	-1.1163u
Cu 324.754	-1.0350u	-0.8979u	-0.6217u
Fe 271.441	2.0175	-4.8200u	-1.1071u
K 766.491	731.589	737.815	731.441
Mg 279.078	2269.02	2276.37	2255.80
Mn 257.610	82.7318	83.1538	82.5992
Mo 202.032	0.7427	0.5648	0.0225
Na 330.237	15378.1	15468.7	15379.7
Ni 231.604	-2.2046u	0.6949	0.3579
Pb 220.353	2.0220	4.4283	0.8299
Sb 206.834	1.2128	-1.7754u	-1.9523u
Se 196.026	-7.8717u	-0.8108u	-6.5212u
Sn 189.925	-3.4763u	-4.8658u	-5.9704u
Sr 216.596	789.281	795.115	789.540
Ti 334.941	-0.5774u	-0.5134u	-0.4707u
Tl 190.794	-0.1384u	-1.9904u	-2.3374u
V 292.401	-0.8676u	-1.1814u	-1.1253u
Zn 206.200	-1.6171u	-1.5220u	-0.9866u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9605	ppb	0.3688	38.4	-82.5512
Al 308.215	-1.5099	ppb	2.7919	184.9	-27.4743
As 188.980	0.1114	ppb	7.5058	6736.9	-9.4276
B 249.678	13.2493	ppb	0.2053	1.5	346.080
Ba 389.178	23.5674	ppb	0.3900	1.7	532.287
Be 313.042	-0.5441	ppb	0.0021	0.4	-332.646
Ca 370.602	12355	ppb	42.43	0.3	33863
Cd 226.502	-0.5410	ppb	0.1116	20.6	24.9088
Co 228.615	-0.5679	ppb	0.3792	66.8	-7.5151
Cr 267.716	-1.0847	ppb	0.1363	12.6	-23.7058
Cu 324.754	-0.8515	ppb	0.2105	24.7	166.593
Fe 271.441	-1.3032	ppb	3.4230	262.7	112.124
K 766.491	733.615	ppb	3.6383	0.5	23759.5
Mg 279.078	2267.06	ppb	10.4255	0.5	4555.96
Mn 257.610	82.8282	ppb	0.2896	0.3	19623.0
Mo 202.032	0.4434	ppb	0.3752	84.6	24.6335
Na 330.237	15408.8	ppb	51.8614	0.3	727.449
Ni 231.604	-0.3839	ppb	1.5857	413.0	-5.5441
Pb 220.353	2.4267	ppb	1.8330	75.5	32.0745
Sb 206.834	-0.8383	ppb	1.7785	212.2	-3.8162
Se 196.026	-5.0679	ppb	3.7481	74.0	8.0626
Sn 189.925	-4.7709	ppb	1.2498	26.2	-8.5715
Sr 216.596	791.312	ppb	3.2960	0.4	7638.64
Ti 334.941	-0.5205	ppb	0.0537	10.3	-35.2813
Tl 190.794	-1.4887	ppb	1.1823	79.4	-13.9473
V 292.401	-1.0581	ppb	0.1673	15.8	-11.7945
Zn 206.200	-1.3752	ppb	0.3399	24.7	-2.2251

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680-89265-a-1-b ms (Samp) 4/17/2013, 8:03:38 PM Rack 2, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	13.1497	13.3103	13.6070
Al 308.215	5166.67	5190.20	5174.35
As 188.980	98.1370	106.877	110.376
B 249.678	205.733	206.780	207.483
Ba 389.178	126.938	128.001	128.258
Be 313.042	52.4350	52.3707	52.4521
Ca 370.602	17801	17814	17824
Cd 226.502	53.1851	53.2652	53.1665
Co 228.615	53.0683	53.0732	52.9457
Cr 267.716	104.668	104.717	104.992
Cu 324.754	107.046	106.425	104.944
Fe 271.441	5026.24	5017.02	5020.33
K 766.491	5845.49	5843.20	5846.55
Mg 279.078	7369.88	7365.87	7371.95
Mn 257.610	630.214	629.466	629.472
Mo 202.032	102.966	101.774	101.933
Na 330.237	21444.8	21327.8	21170.2
Ni 231.604	102.119	104.111	104.116
Pb 220.353	55.2791	51.9677	52.4094
Sb 206.834	52.1119	49.0740	46.0925
Se 196.026	95.6691	99.3032	93.5893
Sn 189.925	194.070	195.817	195.517
Sr 216.596	919.967	921.030	923.496
Ti 334.941	98.8202	98.9219	99.1409
Tl 190.794	37.8326	39.1165	35.5941
V 292.401	101.620	101.369	101.207
Zn 206.200	102.976	99.8618	103.107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.3557	ppb	0.2320	1.7	993.009
Al 308.215	5177.08	ppb	11.9990	0.2	11377.1
As 188.980	105.130	ppb	6.3036	6.0	54.4688
B 249.678	206.665	ppb	0.8808	0.4	2577.80
Ba 389.178	127.732	ppb	0.6997	0.5	2786.45
Be 313.042	52.4193	ppb	0.0429	0.1	91753.8
Ca 370.602	17813	ppb	11.38	0.1	48493
Cd 226.502	53.2056	ppb	0.0524	0.1	1858.39
Co 228.615	53.0291	ppb	0.0722	0.1	525.585
Cr 267.716	104.792	ppb	0.1747	0.2	3243.17
Cu 324.754	106.138	ppb	1.0801	1.0	5731.91
Fe 271.441	5021.20	ppb	4.6687	0.1	8327.39
K 766.491	5845.08	ppb	1.7161	0.0	186031
Mg 279.078	7369.23	ppb	3.0916	0.0	14725.6
Mn 257.610	629.717	ppb	0.4302	0.1	146320
Mo 202.032	102.224	ppb	0.6472	0.6	746.618
Na 330.237	21314.3	ppb	137.821	0.6	982.399
Ni 231.604	103.449	ppb	1.1514	1.1	261.246
Pb 220.353	53.2188	ppb	1.7980	3.4	118.510
Sb 206.834	49.0928	ppb	3.0097	6.1	45.5686
Se 196.026	96.1872	ppb	2.8920	3.0	55.0467
Sn 189.925	195.135	ppb	0.9338	0.5	136.797
Sr 216.596	921.497	ppb	1.8105	0.2	8884.62
Ti 334.941	98.9610	ppb	0.1639	0.2	25360.9
Tl 190.794	37.5144	ppb	1.7826	4.8	22.5477
V 292.401	101.399	ppb	0.2079	0.2	2674.22
Zn 206.200	101.982	ppb	1.8370	1.8	134.880

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89265-a-1-c msd (Samp) 4/17/2013, 8:09:25 PM Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	16.4940	16.5782	16.5836
Al 308.215	5191.90	5205.23	5210.79
As 188.980	104.133	105.406	106.297
B 249.678	207.336	207.676	206.881
Ba 389.178	128.016	126.676	127.728
Be 313.042	52.4294	52.3450	52.4639
Ca 370.602	17448	17429	17475
Cd 226.502	53.1745	53.0719	53.0200
Co 228.615	52.4941	52.5675	53.2382
Cr 267.716	105.107	105.467	105.594
Cu 324.754	103.123	103.718	104.604
Fe 271.441	5016.78	5003.12	5023.30
K 766.491	5791.60	5779.63	5804.53
Mg 279.078	7305.77	7286.04	7309.06
Mn 257.610	627.528	626.524	627.415
Mo 202.032	102.637	101.233	100.431
Na 330.237	20732.6	20953.0	21121.8
Ni 231.604	102.038	101.359	102.143
Pb 220.353	52.1941	50.3192	49.9853
Sb 206.834	50.0337	46.3877	48.1997
Se 196.026	98.6402	95.1628	94.5132
Sn 189.925	192.825	193.322	195.068
Sr 216.596	899.254	899.125	900.001
Ti 334.941	99.0205	99.1211	99.2893
Tl 190.794	37.4949	41.5622	40.3073
V 292.401	100.940	101.164	101.848
Zn 206.200	103.696	103.509	106.050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.5519	ppb	0.0502	0.3	1234.90
Al 308.215	5202.64	ppb	9.7068	0.2	11433.4
As 188.980	105.279	ppb	1.0872	1.0	54.5567
B 249.678	207.298	ppb	0.3992	0.2	2585.13
Ba 389.178	127.473	ppb	0.7055	0.6	2780.70
Be 313.042	52.4128	ppb	0.0611	0.1	91742.4
Ca 370.602	17451	ppb	23.17	0.1	47502
Cd 226.502	53.0888	ppb	0.0786	0.1	1854.40
Co 228.615	52.7666	ppb	0.4101	0.8	522.979
Cr 267.716	105.389	ppb	0.2526	0.2	3261.58
Cu 324.754	103.815	ppb	0.7449	0.7	5611.11
Fe 271.441	5014.40	ppb	10.2969	0.2	8316.39
K 766.491	5791.92	ppb	12.4506	0.2	184343
Mg 279.078	7300.29	ppb	12.4514	0.2	14588.1
Mn 257.610	627.156	ppb	0.5503	0.1	145726
Mo 202.032	101.433	ppb	1.1167	1.1	741.005
Na 330.237	20935.8	ppb	195.188	0.9	965.884
Ni 231.604	101.847	ppb	0.4255	0.4	257.132
Pb 220.353	50.8329	ppb	1.1906	2.3	114.443
Sb 206.834	48.2070	ppb	1.8230	3.8	44.7014
Se 196.026	96.1054	ppb	2.2191	2.3	55.0083
Sn 189.925	193.738	ppb	1.1780	0.6	135.781
Sr 216.596	899.460	ppb	0.4729	0.1	8673.28
Ti 334.941	99.1436	ppb	0.1358	0.1	25407.2
Tl 190.794	39.7881	ppb	2.0828	5.2	24.7373
V 292.401	101.317	ppb	0.4731	0.5	2672.11
Zn 206.200	104.419	ppb	1.4160	1.4	138.014

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-273192/1-a (Samp) 4/17/2013, 8:15:02 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8973u	-0.7205u	-0.6845u
Al 308.215	3.9786	-6.2404u	-2.3219u
As 188.980	-3.7340u	-0.9249u	-2.2307u
B 249.678	-0.2309u	-1.5815u	-0.5573u
Ba 389.178	-2.4981u	-1.1570u	-1.9518u
Be 313.042	-0.5074u	-0.5083u	-0.4920u
Ca 370.602	7.386	12.29	23.10
Cd 226.502	-0.4360u	-0.3248u	-0.4062u
Co 228.615	-0.7460u	-0.6692u	-0.7810u
Cr 267.716	-0.9905u	-0.5965u	-1.1631u
Cu 324.754	-1.2854u	-0.9250u	-0.6045u
Fe 271.441	-2.8894u	-10.9497u	-8.7815u
K 766.491	1.0669	1.0566	2.0835
Mg 279.078	10.9625	14.2140	11.9426
Mn 257.610	-1.1132u	-1.0790u	-0.9423u
Mo 202.032	-0.5335u	-1.2989u	-1.3905u
Na 330.237	145.492	53.5922	-13.9663u
Ni 231.604	-2.2179u	1.4187	-1.6713u
Pb 220.353	1.7566	1.9558	-0.5242u
Sb 206.834	2.4190	-0.2259u	-1.0974u
Se 196.026	-4.1678u	-3.3920u	-9.7207u
Sn 189.925	-4.8057u	-6.6294u	-3.5769u
Sr 216.596	-1.0628u	-1.7910u	-1.8217u
Ti 334.941	-0.4174u	-0.5310u	-0.4660u
Tl 190.794	-1.2506u	1.6027	-4.3638u
V 292.401	-0.8114u	-0.8083u	-0.8419u
Zn 206.200	1.6803	0.4653	1.6527

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7674	ppb	0.1139	14.8	-32.5438
Al 308.215	-1.5279	ppb	5.1555	337.4	-27.5980
As 188.980	-2.2966	ppb	1.4057	61.2	-10.9971
B 249.678	-0.7899	ppb	0.7047	89.2	183.675
Ba 389.178	-1.8690	ppb	0.6744	36.1	-18.8363
Be 313.042	-0.5026	ppb	0.0092	1.8	-262.577
Ca 370.602	14.26	ppb	8.039	56.4	56.76
Cd 226.502	-0.3890	ppb	0.0576	14.8	30.0933
Co 228.615	-0.7321	ppb	0.0572	7.8	-9.1023
Cr 267.716	-0.9167	ppb	0.2904	31.7	-18.9245
Cu 324.754	-0.9383	ppb	0.3407	36.3	162.029
Fe 271.441	-7.5402	ppb	4.1711	55.3	101.937
K 766.491	1.4023	ppb	0.5900	42.1	514.224
Mg 279.078	12.3730	ppb	1.6679	13.5	59.3145
Mn 257.610	-1.0448	ppb	0.0904	8.7	185.718
Mo 202.032	-1.0743	ppb	0.4706	43.8	13.8617
Na 330.237	61.7059	ppb	80.0382	129.7	58.1396
Ni 231.604	-0.8235	ppb	1.9609	238.1	-6.6733
Pb 220.353	1.0627	ppb	1.3780	129.7	29.7336
Sb 206.834	0.3652	ppb	1.8312	501.4	-2.6081
Se 196.026	-5.7602	ppb	3.4518	59.9	7.7228
Sn 189.925	-5.0040	ppb	1.5359	30.7	-8.7500
Sr 216.596	-1.5585	ppb	0.4296	27.6	33.8172
Ti 334.941	-0.4715	ppb	0.0570	12.1	-31.0031
Tl 190.794	-1.3372	ppb	2.9842	223.2	-13.6823
V 292.401	-0.8205	ppb	0.0185	2.3	-5.1321
Zn 206.200	1.2661	ppb	0.6937	54.8	5.6215

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ics 680-273192/2-a (Samp) 4/17/2013, 8:20:38 PM Rack 2, Tube 24
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	31.3446	31.6745	31.3325
Al 308.215	5189.74	5243.06	5231.11
As 188.980	104.217	110.969	109.178
B 249.678	190.279	192.854	195.467
Ba 389.178	102.061	103.849	103.319
Be 313.042	52.3956	52.8637	52.9265
Ca 370.602	4963	5010	5049
Cd 226.502	53.4074	54.0982	54.3109
Co 228.615	52.9888	53.1149	52.9941
Cr 267.716	105.648	106.815	107.521
Cu 324.754	105.060	104.878	107.429
Fe 271.441	5019.33	5059.47	5077.75
K 766.491	4973.24	5014.11	5052.76
Mg 279.078	5054.35	5109.15	5151.76
Mn 257.610	543.937	548.266	549.733
Mo 202.032	100.539	101.744	101.363
Na 330.237	5016.74	5250.86	5633.93
Ni 231.604	105.610	105.570	105.244
Pb 220.353	49.8099	52.2483	56.5790
Sb 206.834	46.6034	46.4495	48.7888
Se 196.026	100.975	105.488	95.3453
Sn 189.925	200.345	203.780	201.185
Sr 216.596	101.526	102.389	103.133
Ti 334.941	99.2544	100.105	100.388
Tl 190.794	41.4552	37.7682	41.0417
V 292.401	101.399	101.930	103.315
Zn 206.200	104.099	105.642	104.631

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	31.4505	ppb	0.1940	0.6	2392.86
Al 308.215	5221.30	ppb	27.9760	0.5	11474.4
As 188.980	108.121	ppb	3.4982	3.2	56.1817
B 249.678	192.866	ppb	2.5939	1.3	2418.14
Ba 389.178	103.076	ppb	0.9184	0.9	2252.09
Be 313.042	52.7286	ppb	0.2901	0.6	92289.4
Ca 370.602	5007	ppb	42.89	0.9	13410
Cd 226.502	53.9388	ppb	0.4724	0.9	1883.36
Co 228.615	53.0326	ppb	0.0713	0.1	525.661
Cr 267.716	106.661	ppb	0.9459	0.9	3300.43
Cu 324.754	105.789	ppb	1.4232	1.3	5713.71
Fe 271.441	5052.18	ppb	29.8832	0.6	8378.16
K 766.491	5013.37	ppb	39.7693	0.8	159627
Mg 279.078	5105.09	ppb	48.8327	1.0	10210.0
Mn 257.610	547.312	ppb	3.0132	0.6	127222
Mo 202.032	101.215	ppb	0.6159	0.6	739.452
Na 330.237	5300.51	ppb	311.578	5.9	284.004
Ni 231.604	105.475	ppb	0.2012	0.2	266.451
Pb 220.353	52.8790	ppb	3.4284	6.5	117.913
Sb 206.834	47.2805	ppb	1.3084	2.8	43.8139
Se 196.026	100.603	ppb	5.0814	5.1	57.0710
Sn 189.925	201.770	ppb	1.7907	0.9	141.612
Sr 216.596	102.349	ppb	0.8043	0.8	1027.71
Ti 334.941	99.9160	ppb	0.5902	0.6	25596.2
Tl 190.794	40.0884	ppb	2.0199	5.0	25.1373
V 292.401	102.215	ppb	0.9890	1.0	2695.99
Zn 206.200	104.791	ppb	0.7836	0.7	138.489

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Cont Calib Verif (CCV) 4/17/2013, 8:26:14 PM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	484.902	487.483	492.005
Al 308.215	4845.25	4935.63	4922.63
As 188.980	480.800	486.386	484.165
B 249.678	501.821	509.425	510.295
Ba 389.178	5085.90	5137.58	5121.73
Be 313.042	513.835	518.403	515.999
Ca 370.602	4936	5002	5004
Cd 226.502	515.680	521.510	519.978
Co 228.615	520.577	527.896	523.559
Cr 267.716	5118.13	5193.87	5192.10
Cu 324.754	5228.02	5097.80	5162.68
Fe 271.441	4958.26	4995.17	4994.23
K 766.491	9831.44	9926.84	9914.40
Mg 279.078	4966.31	5029.05	5031.08
Mn 257.610	5209.23	5265.25	5250.13
Mo 202.032	491.329	495.584	496.111
Na 330.237	7460.37	7335.06	7372.52
Ni 231.604	2613.06	2641.88	2628.28
Pb 220.353	501.649	505.651	502.544
Sb 206.834	912.965	933.646	935.559
Se 196.026	4970.97	5056.56	5022.58
Sn 189.925	4959.85	5020.21	5041.04
Sr 216.596	2508.78	2542.04	2534.17
Ti 334.941	490.684	496.150	495.629
Tl 190.794	5024.84	5082.96	5074.47
V 292.401	4940.47	4999.97	4979.14
Zn 206.200	2598.09	2619.79	2602.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.130	ppb	3.5952	0.7	36737.2	97.62602
Al 308.215	4901.17	ppb	48.8629	1.0	10756.4	98.02346
As 188.980	483.784	ppb	2.8124	0.6	284.756	96.75677
B 249.678	507.180	ppb	4.6620	0.9	6054.27	20.28722Q
Ba 389.178	5115.07	ppb	26.4762	0.5	109781	102.30135
Be 313.042	516.079	ppb	2.2852	0.4	897835	103.21577
Ca 370.602	4981	ppb	38.91	0.8	13553	99.61552
Cd 226.502	519.056	ppb	3.0224	0.6	17653.5	103.81120
Co 228.615	524.011	ppb	3.6802	0.7	5224.90	104.80212
Cr 267.716	5168.03	ppb	43.2282	0.8	159379	103.36063
Cu 324.754	5162.83	ppb	65.1059	1.3	268567	103.25664
Fe 271.441	4982.55	ppb	21.0459	0.4	8377.99	99.65102
K 766.491	9890.90	ppb	51.8603	0.5	314472	98.90896
Mg 279.078	5008.81	ppb	36.8238	0.7	9946.74	100.17628
Mn 257.610	5241.54	ppb	28.9826	0.6	1214350	104.83071
Mo 202.032	494.342	ppb	2.6220	0.5	3520.80	98.86833
Na 330.237	7389.32	ppb	64.3214	0.9	356.751	98.52424
Ni 231.604	2627.74	ppb	14.4179	0.5	6744.70	105.10955
Pb 220.353	503.281	ppb	2.1002	0.4	885.605	100.65626
Sb 206.834	927.390	ppb	12.5291	1.4	958.621	92.73899
Se 196.026	5016.70	ppb	43.0945	0.9	2333.39	100.33408
Sn 189.925	5007.03	ppb	42.1668	0.8	3635.83	100.14069
Sr 216.596	2528.33	ppb	17.3830	0.7	24242.4	101.13309
Ti 334.941	494.154	ppb	3.0167	0.6	126154	98.83086
Tl 190.794	5060.76	ppb	31.3926	0.6	4845.64	101.21516
V 292.401	4973.19	ppb	30.1901	0.6	131162	99.46389
Zn 206.200	2606.70	ppb	11.5195	0.4	3343.27	104.26803

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Cont Calib Blank (CCB) 4/17/2013, 8:31:49 PM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7933u	-0.6827u	-0.5308u
Al 308.215	-5.3420u	-5.1333u	-5.7555u
As 188.980	9.3727	-3.7854u	-3.8639u
B 249.678	2.8234	2.6161	1.7853
Ba 389.178	-0.4894u	-0.1150u	-0.2710u
Be 313.042	-0.4555u	-0.4257u	-0.3764u
Ca 370.602	-1.923u	2.554	3.826
Cd 226.502	-0.4104u	-0.1122u	-0.0099u
Co 228.615	0.0216	0.6230	0.2207
Cr 267.716	-0.3111u	-0.1006u	0.1945
Cu 324.754	-0.4420u	0.2281	0.6158
Fe 271.441	-19.2480u	-11.4893u	-7.7385u
K 766.491	-1.8258u	-0.8789u	0.4709
Mg 279.078	-1.5463u	5.3925	6.3772
Mn 257.610	-0.6564u	-0.1513u	0.3255
Mo 202.032	-0.4203u	-0.5945u	-0.4888u
Na 330.237	3.1950	199.480	141.122
Ni 231.604	0.1846	-1.5921u	-0.1526u
Pb 220.353	3.2675	-0.1911u	2.7572
Sb 206.834	-1.7427u	-1.0805u	3.5499
Se 196.026	-0.6329u	-2.9238u	2.3266
Sn 189.925	-0.9621u	-4.2022u	-0.6086u
Sr 216.596	-2.0179u	-1.7727u	-1.5054u
Ti 334.941	-0.3710u	-0.3251u	-0.2911u
Tl 190.794	-0.4128u	0.5633	2.6459
V 292.401	-0.0718u	0.4117	1.1144
Zn 206.200	-3.1331u	-1.3042u	-1.3213u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6689	ppb	0.1318	19.7	-25.1126	-0.66893
Al 308.215	-5.4103	ppb	0.3167	5.9	-36.1102	-5.41027
As 188.980	0.5745	ppb	7.6196	1326.4	-9.2498	0.57446
B 249.678	2.4083	ppb	0.5494	22.8	220.679	2.40828
Ba 389.178	-0.2918	ppb	0.1881	64.5	14.9748	-0.29178
Be 313.042	-0.4192	ppb	0.0399	9.5	-117.765	-0.41919
Ca 370.602	1.485	ppb	3.020	203.3	22.15	1.48545
Cd 226.502	-0.1775	ppb	0.2081	117.3	37.2551	-0.17747
Co 228.615	0.2884	ppb	0.3064	106.2	1.0393	0.28845
Cr 267.716	-0.0724	ppb	0.2539	350.8	7.1080	-0.07239
Cu 324.754	0.1340	ppb	0.5352	399.5	217.781	0.13397
Fe 271.441	-12.8253	ppb	5.8699	45.8	93.3195	-12.82525
K 766.491	-0.7446	ppb	1.1542	155.0	446.066	-0.74461
Mg 279.078	3.4078	ppb	4.3185	126.7	41.4166	3.40779
Mn 257.610	-0.1607	ppb	0.4910	305.5	390.394	-0.16075
Mo 202.032	-0.5012	ppb	0.0878	17.5	17.9270	-0.50121
Na 330.237	114.599	ppb	100.795	88.0	60.4668	114.59918
Ni 231.604	-0.5201	ppb	0.9436	181.5	-5.8940	-0.52006
Pb 220.353	1.9445	ppb	1.8670	96.0	31.2353	1.94451
Sb 206.834	0.2422	ppb	2.8836	1190.5	-2.7296	0.24223
Se 196.026	-0.4100	ppb	2.6323	642.0	10.1991	-0.41003
Sn 189.925	-1.9243	ppb	1.9806	102.9	-6.5106	-1.92428
Sr 216.596	-1.7653	ppb	0.2563	14.5	31.8008	-1.76533
Ti 334.941	-0.3291	ppb	0.0401	12.2	5.2620	-0.32909
Tl 190.794	0.9322	ppb	1.5623	167.6	-11.5021	0.93217
V 292.401	0.4848	ppb	0.5964	123.0	29.1732	0.48477
Zn 206.200	-1.9195	ppb	1.0510	54.8	515.5221	-1.91952

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ics 680-273192/3-a (Samp) 4/17/2013, 8:37:24 PM Rack 2, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	198.779	203.053	202.314
Al 308.215	2066.65	2076.75	2087.87
As 188.980	204.346	211.571	230.692
B 249.678	389.993	395.372	394.300
Ba 389.178	202.662	202.850	202.690
Be 313.042	210.429	211.169	210.919
Ca 370.602	20050	20113	20118
Cd 226.502	211.936	213.241	211.770
Co 228.615	212.372	214.459	212.972
Cr 267.716	206.530	208.352	208.949
Cu 324.754	208.541	212.645	214.238
Fe 271.441	20916.0	20966.5	20939.4
K 766.491	20478.5	20446.0	20436.3
Mg 279.078	20355.3	20450.6	20425.9
Mn 257.610	2181.78	2189.38	2184.36
Mo 202.032	199.298	201.428	200.981
Na 330.237	18425.5	18408.4	17850.6
Ni 231.604	208.191	208.839	209.462
Pb 220.353	205.105	204.167	204.821
Sb 206.834	190.674	195.584	191.897
Se 196.026	199.828	200.922	203.048
Sn 189.925	198.078	196.824	194.486
Sr 216.596	213.063	215.096	216.878
Ti 334.941	198.925	199.599	199.577
Tl 190.794	42.1832	43.0186	40.9848
V 292.401	205.154	205.894	205.589
Zn 206.200	196.701	198.957	198.161

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	201.382	ppb	2.2841	1.1	15196.8
Al 308.215	2077.09	ppb	10.6099	0.5	4557.12
As 188.980	215.536	ppb	13.6129	6.3	121.509
B 249.678	393.222	ppb	2.8474	0.7	4717.56
Ba 389.178	202.734	ppb	0.1011	0.0	4448.59
Be 313.042	210.839	ppb	0.3761	0.2	367227
Ca 370.602	20094	ppb	38.18	0.2	53675
Cd 226.502	212.316	ppb	0.8056	0.4	7288.62
Co 228.615	213.268	ppb	1.0743	0.5	2120.62
Cr 267.716	207.944	ppb	1.2599	0.6	6429.69
Cu 324.754	211.808	ppb	2.9395	1.4	11231.9
Fe 271.441	20940.6	ppb	25.2839	0.1	34363.3
K 766.491	20453.6	ppb	22.1107	0.1	649801
Mg 279.078	20410.6	ppb	49.4492	0.2	40722.0
Mn 257.610	2185.17	ppb	3.8656	0.2	506665
Mo 202.032	200.569	ppb	1.1233	0.6	1443.67
Na 330.237	18228.2	ppb	327.064	1.8	842.478
Ni 231.604	208.831	ppb	0.6352	0.3	532.235
Pb 220.353	204.698	ppb	0.4812	0.2	376.776
Sb 206.834	192.718	ppb	2.5559	1.3	188.237
Se 196.026	201.266	ppb	1.6375	0.8	104.024
Sn 189.925	196.462	ppb	1.8230	0.9	137.762
Sr 216.596	215.012	ppb	1.9086	0.9	2110.59
Ti 334.941	199.367	ppb	0.3833	0.2	51026.8
Tl 190.794	42.0622	ppb	1.0223	2.4	24.0265
V 292.401	205.546	ppb	0.3718	0.2	5405.68
Zn 206.200	197.939	ppb	1.1442	0.6	258.021

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9600u	-1.0641u	-0.7705u
Al 308.215	75.9468	71.4612	74.7212
As 188.980	-2.3191	-1.6611	5.4490
B 249.678	295.899	295.632	297.645
Ba 389.178	852.492	851.832	850.368
Be 313.042	-0.5635u	-0.5566u	-0.5209u
Ca 370.602	235950	235696	235041
Cd 226.502	-0.0877	-0.0820	0.0018
Co 228.615	0.9121	-0.3366u	-0.4197u
Cr 267.716	-0.9333u	-0.7538u	-0.6816u
Cu 324.754	-0.9029u	-1.5413u	-1.2154u
Fe 271.441	27202.2	27196.4	27133.0
K 766.491	19475.3	19404.8	19279.3
Mg 279.078	93205.0	93275.6	93185.4
Mn 257.610	1108.88	1110.32	1108.97
Mo 202.032	-0.9476u	-1.2953u	-0.2313u
Na 330.237	550235x	550206x	543394x
Ni 231.604	0.0429	0.4616	-0.4938u
Pb 220.353	3.1681	4.2784	3.4683
Sb 206.834	-0.8301u	1.0868	-2.4725u
Se 196.026	-3.3170u	5.4964	7.1042
Sn 189.925	-5.5835u	-2.5910u	-4.5480u
Sr 216.596	1420.59	1422.37	1422.10
Ti 334.941	0.3225	0.3452	0.3515
Tl 190.794	0.3843u	-3.3690u	-2.7763u
V 292.401	-0.1232u	0.0482u	-0.2200u
Zn 206.200	4.2650	2.8165	2.3636

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9315b	ppb	0.1489	16.0	-106.959
Al 308.215	74.0431b	ppb	2.3184	3.1	138.759
As 188.980	0.4896b	ppb	4.3076	879.8	-7.5857
B 249.678	296.392b	ppb	1.0934	0.4	3590.17
Ba 389.178	851.564b	ppb	1.0870	0.1	18550.3
Be 313.042	-0.5470b	ppb	0.0229	4.2	-322.906
Ca 370.602	235562b	ppb	468.5	0.2	643428
Cd 226.502	-0.0560b	ppb	0.0501	89.5	100.140
Co 228.615	0.0519b	ppb	0.7461	1436.8	-2.0411
Cr 267.716	-0.7896b	ppb	0.1296	16.4	-1.9534
Cu 324.754	-1.2199b	ppb	0.3192	26.2	155.785
Fe 271.441	27177.2b	ppb	38.3977	0.1	44519.9
K 766.491	19386.5b	ppb	99.2636	0.5	615923
Mg 279.078	93222.0b	ppb	47.4376	0.1	185993
Mn 257.610	1109.39b	ppb	0.8061	0.1	257968
Mo 202.032	-0.8247b	ppb	0.5425	65.8	14.2932
Na 330.237	547945xb	ppb	3941.20	0.7	23944.6
Ni 231.604	0.0035b	ppb	0.4789	13556.4	-3.9956
Pb 220.353	3.6383b	ppb	0.5744	15.8	34.3678
Sb 206.834	-0.7386b	ppb	1.7814	241.2	-3.0810
Se 196.026	3.0946b	ppb	5.6104	181.3	12.0535
Sn 189.925	-4.2408b	ppb	1.5197	35.8	-7.9497
Sr 216.596	1421.69b	ppb	0.9587	0.1	13714.6
Ti 334.941	0.3398b	ppb	0.0152	4.5	525.528
Tl 190.794	-1.9203b	ppb	2.0177	105.1	-17.1567
V 292.401	-0.0983b	ppb	0.1358	138.1	11.1729
Zn 206.200	3.1484b	ppb	0.9932	31.5	8.0411

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-c-1-b ms (Samp) 4/17/2013, 8:48:34 PM Rack 2, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	23.9748	23.8159	23.8067
Al 308.215	5699.73	5674.20	5681.97
As 188.980	120.159	115.010	118.563
B 249.678	493.211	497.778	499.039
Ba 389.178	958.537	956.674	954.363
Be 313.042	53.4002	53.3402	53.1195
Ca 370.602	239292	238857	238215
Cd 226.502	53.3942	53.3850	53.7878
Co 228.615	52.2295	52.1444	53.3514
Cr 267.716	105.096	104.439	105.015
Cu 324.754	110.120	110.273	109.043
Fe 271.441	31319.2	31267.9	31186.6
K 766.491	26190.4	26171.8	26085.5
Mg 279.078	96944.4	96934.4	96801.9
Mn 257.610	1665.03	1665.44	1661.20
Mo 202.032	101.084	100.788	100.244
Na 330.237	539684x	536333x	537703x
Ni 231.604	104.600	103.164	103.352
Pb 220.353	49.9175	56.2996	53.8090
Sb 206.834	45.1028	49.6773	47.6551
Se 196.026	108.625	113.952	105.587
Sn 189.925	199.054	195.959	197.053
Sr 216.596	1509.04	1511.18	1508.20
Ti 334.941	100.803	99.9343	100.466
Tl 190.794	38.6550	39.0544	35.2218
V 292.401	103.611	103.638	102.543
Zn 206.200	107.475	103.728	105.238

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.8658b	ppb	0.0945	0.4	1760.42
Al 308.215	5685.30b	ppb	13.0852	0.2	12495.9
As 188.980	117.911b	ppb	2.6355	2.2	63.8438
B 249.678	496.676b	ppb	3.0661	0.6	5902.42
Ba 389.178	956.525b	ppb	2.0906	0.2	20816.9
Be 313.042	53.2866b	ppb	0.1478	0.3	93277.4
Ca 370.602	238788b	ppb	542.1	0.2	652007
Cd 226.502	53.5223b	ppb	0.2299	0.4	1925.92
Co 228.615	52.5751b	ppb	0.6736	1.3	520.392
Cr 267.716	104.850b	ppb	0.3587	0.3	3257.33
Cu 324.754	109.812b	ppb	0.6706	0.6	5930.96
Fe 271.441	31257.9b	ppb	66.8402	0.2	51196.3
K 766.491	26149.2b	ppb	55.9985	0.2	830618
Mg 279.078	96893.5b	ppb	79.5450	0.1	193308
Mn 257.610	1663.89b	ppb	2.3410	0.1	386417
Mo 202.032	100.705b	ppb	0.4263	0.4	734.541
Na 330.237	537907xb	ppb	1684.84	0.3	23504.5
Ni 231.604	103.705b	ppb	0.7808	0.8	262.440
Pb 220.353	53.3420b	ppb	3.2166	6.0	118.946
Sb 206.834	47.4784b	ppb	2.2923	4.8	44.5939
Se 196.026	109.388b	ppb	4.2344	3.9	61.3718
Sn 189.925	197.355b	ppb	1.5694	0.8	138.642
Sr 216.596	1509.47b	ppb	1.5319	0.1	14553.3
Ti 334.941	100.401b	ppb	0.4380	0.4	26064.7
Tl 190.794	37.6437b	ppb	2.1070	5.6	19.9126
V 292.401	103.264b	ppb	0.6243	0.6	2721.11
Zn 206.200	105.480b	ppb	1.8854	1.8	139.378

640-43129-c-1-c msd (Samp) 4/17/2013, 8:54:09 PM Rack 2, Tube 30

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	108.152	107.887	108.277
Al 308.215	5981.06	5941.41	5915.02
As 188.980	118.374	120.416	112.710
B 249.678	514.336	517.915	519.207
Ba 389.178	994.373	994.770	994.881
Be 313.042	55.2501	55.2008	55.1995
Ca 370.602	248140	247238	247400
Cd 226.502	55.3611	55.4467	55.4676
Co 228.615	54.0636	55.3594	55.7750
Cr 267.716	109.443	108.158	108.360
Cu 324.754	113.944	114.214	113.601
Fe 271.441	32261.3	32221.2	32273.7
K 766.491	27186.9	27146.9	27113.9
Mg 279.078	100125	100106	100348
Mn 257.610	1729.18	1730.01	1733.08
Mo 202.032	103.941	103.172	104.736
Na 330.237	554813x	555308x	556844x
Ni 231.604	109.400	105.528	108.102
Pb 220.353	53.9136	58.1783	53.3677
Sb 206.834	54.0565	49.7942	59.9275
Se 196.026	116.498	115.921	110.076
Sn 189.925	206.370	206.678	200.272
Sr 216.596	1564.13	1560.91	1562.87
Ti 334.941	103.824	103.715	103.545
Tl 190.794	40.6033	34.3775	35.1400
V 292.401	107.418	107.286	107.220
Zn 206.200	110.772	109.352	111.580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	108.105b	ppb	0.1989	0.2	8104.35
Al 308.215	5945.83b	ppb	33.2384	0.6	13069.5
As 188.980	117.167b	ppb	3.9922	3.4	63.4532
B 249.678	517.152b	ppb	2.5235	0.5	6138.19
Ba 389.178	994.674b	ppb	0.2672	0.0	21644.5
Be 313.042	55.2168b	ppb	0.0288	0.1	96634.1
Ca 370.602	247593b	ppb	480.7	0.2	676060
Cd 226.502	55.4252b	ppb	0.0564	0.1	1992.53
Co 228.615	55.0660b	ppb	0.8926	1.6	545.162
Cr 267.716	108.654b	ppb	0.6913	0.6	3375.14
Cu 324.754	113.920b	ppb	0.3072	0.3	6144.82
Fe 271.441	32252.1b	ppb	27.4408	0.1	52821.0
K 766.491	27149.2b	ppb	36.5250	0.1	862365
Mg 279.078	100193b	ppb	134.548	0.1	199889
Mn 257.610	1730.75b	ppb	2.0545	0.1	401923
Mo 202.032	103.950b	ppb	0.7823	0.8	757.512
Na 330.237	555655xb	ppb	1059.07	0.2	24278.2
Ni 231.604	107.677b	ppb	1.9705	1.8	272.660
Pb 220.353	55.1532b	ppb	2.6340	4.8	122.039
Sb 206.834	54.5928b	ppb	5.0879	9.3	51.6311
Se 196.026	114.165b	ppb	3.5528	3.1	63.5975
Sn 189.925	204.440b	ppb	3.6131	1.8	143.802
Sr 216.596	1562.64b	ppb	1.6244	0.1	15064.2
Ti 334.941	103.695b	ppb	0.1408	0.1	26917.0
Tl 190.794	36.7069b	ppb	3.3958	9.3	18.8718
V 292.401	107.308b	ppb	0.1008	0.1	2827.24
Zn 206.200	110.568b	ppb	1.1280	1.0	145.912

640-43129-c-1-a^10 (Samp) 4/17/2013, 8:59:44 PM Rack 2, Tube 31

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8943u	-0.8058u	-0.9202u
Al 308.215	8.8214	9.0699	7.0818
As 188.980	-1.2598u	2.5934	-4.9711u
B 249.678	33.2377	32.0845	31.3758
Ba 389.178	83.6634	83.6323	83.2839
Be 313.042	-0.5054u	-0.4926u	-0.4794u
Ca 370.602	23823	23980	23741
Cd 226.502	-0.4028u	-0.4215u	-0.6888u
Co 228.615	-0.8823u	-0.2850u	-1.6909u
Cr 267.716	-0.6438u	-0.7459u	-0.3652u
Cu 324.754	-0.7666u	-0.7804u	-0.9948u
Fe 271.441	2802.63	2825.42	2806.50
K 766.491	1408.74	1425.20	1416.72
Mg 279.078	9265.39	9319.50	9258.81
Mn 257.610	112.852	113.843	113.392
Mo 202.032	-0.9218u	-0.4298u	-0.6748u
Na 330.237	45650.2	45992.7	45924.5
Ni 231.604	-0.7137u	-0.5967u	-2.3187u
Pb 220.353	3.7088	2.1269	2.9674
Sb 206.834	1.3074	-2.2918u	-1.7769u
Se 196.026	-1.3341u	-5.8202u	-5.7603u
Sn 189.925	-6.6050u	-1.3084u	-3.1362u
Sr 216.596	144.860	146.057	143.562
Ti 334.941	-0.3589u	-0.3587u	-0.3937u
Tl 190.794	-1.2284u	0.6591	-2.4382u
V 292.401	-0.8798u	-0.8699u	-0.8559u
Zn 206.200	-1.1430u	-0.4563u	-1.7512u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8734	ppb	0.0600	6.9	-46.8684
Al 308.215	8.3244	ppb	1.0832	13.0	-5.8818
As 188.980	-1.2125	ppb	3.7825	312.0	-10.1640
B 249.678	32.2327	ppb	0.9398	2.9	562.437
Ba 389.178	83.5266	ppb	0.2107	0.3	1839.21
Be 313.042	-0.4925	ppb	0.0130	2.6	-242.343
Ca 370.602	23848	ppb	121.2	0.5	65151
Cd 226.502	-0.5044	ppb	0.1600	31.7	32.3169
Co 228.615	-0.9527	ppb	0.7056	74.1	-11.3943
Cr 267.716	-0.5850	ppb	0.1970	33.7	-7.4592
Cu 324.754	-0.8473	ppb	0.1279	15.1	167.647
Fe 271.441	2811.52	ppb	12.1946	0.4	4708.06
K 766.491	1416.89	ppb	8.2314	0.6	45451.1
Mg 279.078	9281.23	ppb	33.3037	0.4	18548.7
Mn 257.610	113.362	ppb	0.4963	0.4	26742.9
Mo 202.032	-0.6755	ppb	0.2460	36.4	16.5537
Na 330.237	45855.8	ppb	181.283	0.4	2054.53
Ni 231.604	-1.2097	ppb	0.9622	79.5	-7.6078
Pb 220.353	2.9344	ppb	0.7914	27.0	32.9478
Sb 206.834	-0.9204	ppb	1.9465	211.5	-3.8145
Se 196.026	-4.3049	ppb	2.5730	59.8	8.4203
Sn 189.925	-3.6832	ppb	2.6903	73.0	-7.7675
Sr 216.596	144.826	ppb	1.2474	0.9	1440.88
Ti 334.941	-0.3704	ppb	0.0201	5.4	30.1204
Tl 190.794	-1.0025	ppb	1.5609	155.7	-13.6619
V 292.401	-0.8685	ppb	0.0120	1.4	-6.7287
Zn 206.200	-1.1169	ppb	0.6478	58.0	-2.5564

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-c-1-b ms (Samp) 4/17/2013, 9:05:19 PM Rack 2, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.0583	1.1245	1.6602
Al 308.215	544.519	542.610	534.542
As 188.980	10.5439	12.7496	11.6905
B 249.678	43.6350	46.2421	44.8680
Ba 389.178	94.2459	93.4549	94.0049
Be 313.042	4.9860	5.0114	4.9779
Ca 370.602	24125	24227	24043
Cd 226.502	5.2105	4.9020	5.1241
Co 228.615	4.9037	4.5578	4.7018
Cr 267.716	9.6450	9.6378	9.7374
Cu 324.754	9.6972	9.4238	9.8944
Fe 271.441	3228.93	3244.51	3228.74
K 766.491	1897.52	1914.48	1905.06
Mg 279.078	9658.72	9696.62	9657.87
Mn 257.610	169.033	169.708	169.217
Mo 202.032	9.1532	9.5430	9.1360
Na 330.237	44885.3	45120.5	45113.7
Ni 231.604	9.9765	10.0444	10.9266
Pb 220.353	9.9035	7.9650	6.0678
Sb 206.834	4.9833	1.6258	2.4507
Se 196.026	3.7300	-1.0394u	2.5896
Sn 189.925	17.3051	15.9206	13.6906
Sr 216.596	153.981	153.693	152.735
Ti 334.941	9.6441	9.7587	9.6020
Tl 190.794	3.4406	2.7194	-3.6542u
V 292.401	9.0791	9.4695	8.9926
Zn 206.200	12.7175	12.9386	11.3526

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2810	ppb	0.3300	25.8	115.365
Al 308.215	540.557	ppb	5.2962	1.0	1166.22
As 188.980	11.6613	ppb	1.1031	9.5	-2.3321
B 249.678	44.9150	ppb	1.3042	2.9	708.665
Ba 389.178	93.9019	ppb	0.4054	0.4	2063.34
Be 313.042	4.9918	ppb	0.0175	0.4	9293.09
Ca 370.602	24132	ppb	92.34	0.4	65901
Cd 226.502	5.0789	ppb	0.1591	3.1	222.563
Co 228.615	4.7211	ppb	0.1737	3.7	45.0538
Cr 267.716	9.6734	ppb	0.0555	0.6	309.051
Cu 324.754	9.6718	ppb	0.2363	2.4	714.800
Fe 271.441	3234.06	ppb	9.0473	0.3	5399.32
K 766.491	1905.68	ppb	8.4963	0.4	60968.6
Mg 279.078	9671.07	ppb	22.1320	0.2	19325.4
Mn 257.610	169.319	ppb	0.3487	0.2	39705.4
Mo 202.032	9.2774	ppb	0.2301	2.5	87.1579
Na 330.237	45039.8	ppb	133.861	0.3	2018.69
Ni 231.604	10.3158	ppb	0.5300	5.1	22.0034
Pb 220.353	7.9788	ppb	1.9179	24.0	41.5323
Sb 206.834	3.0199	ppb	1.7497	57.9	0.0870
Se 196.026	1.7601	ppb	2.4905	141.5	11.2398
Sn 189.925	15.6388	ppb	1.8236	11.7	6.2826
Sr 216.596	153.470	ppb	0.6520	0.4	1523.45
Ti 334.941	9.6682	ppb	0.0811	0.8	2592.41
Tl 190.794	0.8352	ppb	3.9047	467.5	-11.9924
V 292.401	9.1804	ppb	0.2541	2.8	256.715
Zn 206.200	12.3362	ppb	0.8590	7.0	10.8315

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-c-1-c msd (Samp) 4/17/2013, 9:10:55 PM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.3821	9.7703	9.9976
Al 308.215	555.919	562.334	554.987
As 188.980	10.2081	6.9476	5.9572
B 249.678	44.7379	44.0143	45.0077
Ba 389.178	98.5507	96.7978	97.1144
Be 313.042	5.1631	5.1562	5.1655
Ca 370.602	24694	24710	24715
Cd 226.502	5.4635	5.2240	5.0742
Co 228.615	5.5416	5.6580	4.5760
Cr 267.716	10.0120	10.1752	10.2691
Cu 324.754	10.0958	10.9697	9.8820
Fe 271.441	3335.71	3330.87	3336.72
K 766.491	1956.66	1963.04	1965.16
Mg 279.078	9972.63	9966.44	9991.98
Mn 257.610	175.655	175.725	175.825
Mo 202.032	9.3419	9.5378	9.8505
Na 330.237	46389.5	46065.7	46084.5
Ni 231.604	10.9762	12.5254	10.4775
Pb 220.353	6.0357	7.5919	8.5300
Sb 206.834	6.4752	9.3331	5.2864
Se 196.026	14.8539	3.2304	13.8150
Sn 189.925	17.5444	15.7510	17.8976
Sr 216.596	159.336	158.701	158.524
Ti 334.941	9.9832	10.0364	10.0894
Tl 190.794	2.6485	-2.3178u	4.1005
V 292.401	9.7896	10.0057	9.5963
Zn 206.200	8.2402	8.9693	11.2753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7167	ppb	0.3113	3.2	750.642
Al 308.215	557.747	ppb	4.0003	0.7	1204.06
As 188.980	7.7043	ppb	2.2242	28.9	-4.7373
B 249.678	44.5866	ppb	0.5137	1.2	704.754
Ba 389.178	97.4877	ppb	0.9342	1.0	2141.13
Be 313.042	5.1616	ppb	0.0049	0.1	9588.48
Ca 370.602	24706	ppb	11.33	0.0	67469
Cd 226.502	5.2539	ppb	0.1964	3.7	228.712
Co 228.615	5.2585	ppb	0.5939	11.3	50.4068
Cr 267.716	10.1521	ppb	0.1301	1.3	323.853
Cu 324.754	10.3158	ppb	0.5762	5.6	748.308
Fe 271.441	3334.43	ppb	3.1251	0.1	5563.44
K 766.491	1961.62	ppb	4.4230	0.2	62744.3
Mg 279.078	9977.02	ppb	13.3209	0.1	19935.7
Mn 257.610	175.735	ppb	0.0856	0.0	41193.2
Mo 202.032	9.5767	ppb	0.2565	2.7	89.2766
Na 330.237	46179.9	ppb	181.807	0.4	2068.40
Ni 231.604	11.3263	ppb	1.0679	9.4	24.6008
Pb 220.353	7.3858	ppb	1.2599	17.1	40.5225
Sb 206.834	7.0316	ppb	2.0799	29.6	4.0399
Se 196.026	10.6331	ppb	6.4320	60.5	15.3477
Sn 189.925	17.0643	ppb	1.1510	6.7	7.3197
Sr 216.596	158.854	ppb	0.4272	0.3	1575.16
Ti 334.941	10.0363	ppb	0.0531	0.5	2687.49
Tl 190.794	1.4771	ppb	3.3657	227.9	-11.3889
V 292.401	9.7972	ppb	0.2048	2.1	272.970
Zn 206.200	9.4949	ppb	1.5843	16.7	161765

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-c-2-a (Samp) 4/17/2013, 9:16:31 PM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9095u	-0.8056u	-0.9310u
Al 308.215	6.0464	-0.8492u	0.9451
As 188.980	-4.6106u	1.5028	0.6065
B 249.678	316.957	317.428	318.397
Ba 389.178	736.413	737.225	735.381
Be 313.042	-0.5744u	-0.5874u	-0.5838u
Ca 370.602	194110	193764	192764
Cd 226.502	-0.2307	-0.2893	-0.3082
Co 228.615	-1.5835u	-0.9716u	-0.2282u
Cr 267.716	-1.2220u	-0.9797u	-1.3713u
Cu 324.754	-1.3181u	-1.0938u	-1.0374u
Fe 271.441	15572.4	15546.6	15516.0
K 766.491	17437.1	17442.6	17453.9
Mg 279.078	114727	114586	114473
Mn 257.610	450.956	450.439	449.425
Mo 202.032	-0.6310u	-0.7180u	-0.4225u
Na 330.237	337714x	334918x	335380x
Ni 231.604	0.4984	1.8527	0.9837
Pb 220.353	3.1025	4.4438	5.5709
Sb 206.834	-1.7355u	1.5554	-0.8435u
Se 196.026	-1.0904u	-1.4353u	-3.7528u
Sn 189.925	-4.7098u	-0.8240u	-5.0050u
Sr 216.596	1479.87	1476.03	1476.17
Ti 334.941	-1.9894u	-2.0186u	-2.0648u
Tl 190.794	-3.4683u	-5.9689u	-1.1827u
V 292.401	-1.0388u	-1.2351u	-0.8815u
Zn 206.200	0.9794	-0.5614u	0.4765

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8820b	ppb	0.0671	7.6	-108.734
Al 308.215	2.0474b	ppb	3.5776	174.7	-19.6975
As 188.980	-0.8338b	ppb	3.3014	395.9	-8.6317
B 249.678	317.594b	ppb	0.7346	0.2	3848.93
Ba 389.178	736.340b	ppb	0.9246	0.1	16114.9
Be 313.042	-0.5819b	ppb	0.0067	1.2	-376.666
Ca 370.602	193546b	ppb	698.9	0.4	529133
Cd 226.502	-0.2761b	ppb	0.0404	14.6	68.0860
Co 228.615	-0.9278b	ppb	0.6787	73.2	-11.5157
Cr 267.716	-1.1910b	ppb	0.1976	16.6	-20.1807
Cu 324.754	-1.1498b	ppb	0.1485	12.9	155.856
Fe 271.441	15545.0b	ppb	28.2157	0.2	25513.5
K 766.491	17444.5b	ppb	8.5574	0.0	554273
Mg 279.078	114595b	ppb	127.516	0.1	228638
Mn 257.610	450.273b	ppb	0.7785	0.2	105417
Mo 202.032	-0.5905b	ppb	0.1519	25.7	16.5311
Na 330.237	336004xb	ppb	1498.88	0.4	14704.8
Ni 231.604	1.1116b	ppb	0.6861	61.7	-1.3869
Pb 220.353	4.3724b	ppb	1.2357	28.3	35.4739
Sb 206.834	-0.3412b	ppb	1.7020	498.8	-2.9651
Se 196.026	-2.0928b	ppb	1.4479	69.2	9.5109
Sn 189.925	-3.5129b	ppb	2.3334	66.4	-7.4970
Sr 216.596	1477.35b	ppb	2.1799	0.1	14240.2
Ti 334.941	-2.0242b	ppb	0.0380	1.9	23.0882
Tl 190.794	-3.5400b	ppb	2.3939	67.6	-17.2091
V 292.401	-1.0518b	ppb	0.1771	16.8	-12.3951
Zn 206.200	0.2982b	ppb	0.7857	263.5	-4.3772

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-c-2-a^10 (Samp) 4/17/2013, 9:22:07 PM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4863u	-0.9062u	-0.8252u
Al 308.215	-1.1575u	0.9388	1.0144
As 188.980	-4.8229u	-3.7608u	0.3086
B 249.678	28.7546	28.4701	29.1848
Ba 389.178	71.0541	70.0794	71.0755
Be 313.042	-0.5489u	-0.5528u	-0.5332u
Ca 370.602	19415	19351	19454
Cd 226.502	-0.4355u	-0.2470u	-0.4590u
Co 228.615	-0.4446u	-0.9478u	-0.5957u
Cr 267.716	-1.2006u	-1.0722u	-0.8880u
Cu 324.754	-1.6465u	-0.6374u	-0.8781u
Fe 271.441	1561.25	1568.49	1568.36
K 766.491	1320.95	1322.46	1331.19
Mg 279.078	11210.9	11181.3	11232.6
Mn 257.610	44.3281	44.3457	44.5696
Mo 202.032	-0.3638u	-1.2024u	-1.1401u
Na 330.237	28352.5	28429.9	28382.5
Ni 231.604	-0.0916u	-1.5005u	-0.9487u
Pb 220.353	-0.3266u	2.2330	3.7389
Sb 206.834	-1.7078u	0.7896	-0.0756u
Se 196.026	-10.6284u	4.0359	-0.5071u
Sn 189.925	-3.1667u	-6.9631u	-7.8489u
Sr 216.596	148.280	147.758	148.409
Ti 334.941	-0.7205u	-0.6789u	-0.7097u
Tl 190.794	-2.0732u	-0.0073u	-7.2038u
V 292.401	-1.2878u	-1.1187u	-1.0431u
Zn 206.200	-1.8061u	-1.9042u	-0.7846u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7392	ppb	0.2228	30.1	-37.2341
Al 308.215	0.2652	ppb	1.2327	464.8	-23.6499
As 188.980	-2.7584	ppb	2.7086	98.2	-11.1303
B 249.678	28.8032	ppb	0.3599	1.2	524.203
Ba 389.178	70.7363	ppb	0.5690	0.8	1567.84
Be 313.042	-0.5450	ppb	0.0104	1.9	-333.340
Ca 370.602	19406	ppb	52.17	0.3	53070
Cd 226.502	-0.3805	ppb	0.1162	30.5	33.8621
Co 228.615	-0.6627	ppb	0.2582	39.0	-8.4590
Cr 267.716	-1.0536	ppb	0.1571	14.9	-22.4780
Cu 324.754	-1.0540	ppb	0.5270	50.0	156.503
Fe 271.441	1566.03	ppb	4.1430	0.3	2673.03
K 766.491	1324.87	ppb	5.5289	0.4	42529.7
Mg 279.078	11208.3	ppb	25.7542	0.2	22393.8
Mn 257.610	44.4145	ppb	0.1346	0.3	10783.3
Mo 202.032	-0.9021	ppb	0.4672	51.8	15.0071
Na 330.237	28388.3	ppb	39.0436	0.1	1293.09
Ni 231.604	-0.8469	ppb	0.7100	83.8	-6.7014
Pb 220.353	1.8818	ppb	2.0554	109.2	31.1397
Sb 206.834	-0.3313	ppb	1.2682	382.8	-3.2591
Se 196.026	-2.3666	ppb	7.5069	317.2	9.3026
Sn 189.925	-5.9929	ppb	2.4873	41.5	-9.4537
Sr 216.596	148.149	ppb	0.3448	0.2	1471.88
Ti 334.941	-0.7030	ppb	0.0215	3.1	-45.7928
Tl 190.794	-3.0948	ppb	3.7054	119.7	-15.5137
V 292.401	-1.1499	ppb	0.1253	10.9	-13.9009
Zn 206.200	-1.4983	ppb	0.6200	41.4	-2.0667

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X (Samp) 4/17/2013, 9:27:43 PM Rack 2, Tube 36

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9550u	-0.7068u	-1.4248u
Al 308.215	-5.0383u	3.2957	-2.0701u
As 188.980	0.3553	-6.6470u	-4.5453u
B 249.678	-6.0810u	-5.7389u	-5.2118u
Ba 389.178	-2.3424u	-2.0066u	-1.5908u
Be 313.042	-0.5490u	-0.5408u	-0.5427u
Ca 370.602	-2.224u	0.7617	-0.8148u
Cd 226.502	-0.6703u	-0.2143u	-0.6614u
Co 228.615	-0.5501u	-0.2197u	-0.8010u
Cr 267.716	-1.0975u	-0.9709u	-1.5485u
Cu 324.754	-1.3629u	-1.3061u	-1.3309u
Fe 271.441	-13.9319u	-10.2480u	-16.0664u
K 766.491	-8.3967u	-7.4879u	-7.3390u
Mg 279.078	2.2640	1.5949	4.7096
Mn 257.610	-1.7280u	-1.6795u	-1.6404u
Mo 202.032	-0.8904u	-1.3244u	-1.1664u
Na 330.237	20.7490	207.591	-50.8265u
Ni 231.604	-0.1090u	-0.5915u	0.4420
Pb 220.353	0.2107	1.9721	0.4229
Sb 206.834	-3.9686u	1.9716	0.2451
Se 196.026	-9.1938u	-9.1542u	-3.9944u
Sn 189.925	-3.2200u	-2.5075u	-3.1663u
Sr 216.596	-2.5245u	-3.0689u	-3.1502u
Ti 334.941	-0.5950u	-0.5984u	-0.6256u
Tl 190.794	-3.1140u	-1.6963u	-4.7103u
V 292.401	-1.3161u	-1.1667u	-1.0276u
Zn 206.200	-3.4162u	-2.3035u	-3.7012u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0288	ppb	0.3647	35.4	-52.1754
Al 308.215	-1.2709	ppb	4.2241	332.4	-27.0229
As 188.980	-3.6124	ppb	3.5932	99.5	-11.7982
B 249.678	-5.6772	ppb	0.4379	7.7	127.142
Ba 389.178	-1.9799	ppb	0.3765	19.0	-21.2469
Be 313.042	-0.5442	ppb	0.0043	0.8	-334.925
Ca 370.602	-0.7590	ppb	1.494	196.8	15.91
Cd 226.502	-0.5153	ppb	0.2607	50.6	25.7998
Co 228.615	-0.5236	ppb	0.2915	55.7	-7.0350
Cr 267.716	-1.2056	ppb	0.3036	25.2	-27.8356
Cu 324.754	-1.3333	ppb	0.0285	2.1	141.502
Fe 271.441	-13.4154	ppb	2.9434	21.9	92.3043
K 766.491	-7.7412	ppb	0.5726	7.4	223.947
Mg 279.078	2.8562	ppb	1.6396	57.4	40.3395
Mn 257.610	-1.6826	ppb	0.0439	2.6	37.9384
Mo 202.032	-1.1271	ppb	0.2197	19.5	13.4879
Na 330.237	59.1710	ppb	133.424	225.5	58.0592
Ni 231.604	-0.0862	ppb	0.5171	600.1	-4.7796
Pb 220.353	0.8686	ppb	0.9616	110.7	29.4026
Sb 206.834	-0.5840	ppb	3.0557	523.2	-3.5463
Se 196.026	-7.4475	ppb	2.9905	40.2	6.9418
Sn 189.925	-2.9646	ppb	0.3967	13.4	-7.2671
Sr 216.596	-2.9145	ppb	0.3402	11.7	20.7941
Ti 334.941	-0.6064	ppb	0.0168	2.8	-65.4535
Tl 190.794	-3.1735	ppb	1.5079	47.5	-15.4461
V 292.401	-1.1701	ppb	0.1442	12.3	-14.3944
Zn 206.200	-3.1403	ppb	0.7386	23.5	-0.0448

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Cont Calib Verif (CCV) 4/17/2013, 9:33:19 PM Rack 2, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	481.382	478.693	484.077
Al 308.215	4813.08	4804.35	4842.75
As 188.980	475.762	470.030	481.518
B 249.678	495.922	497.522	504.600
Ba 389.178	5060.31	5036.12	5084.86
Be 313.042	510.676	510.562	515.306
Ca 370.602	4910	4878	4947
Cd 226.502	512.479	510.998	516.674
Co 228.615	518.580	516.707	521.613
Cr 267.716	5093.10	5065.93	5109.90
Cu 324.754	5099.94	5156.10	5129.75
Fe 271.441	4937.90	4895.71	4951.80
K 766.491	9801.34	9768.37	9885.99
Mg 279.078	4950.74	4926.83	4970.90
Mn 257.610	5196.55	5157.83	5199.18
Mo 202.032	487.193	485.259	493.295
Na 330.237	7197.60	7376.84	7261.94
Ni 231.604	2596.74	2585.79	2614.11
Pb 220.353	494.147	485.770	501.523
Sb 206.834	917.872	911.773	914.629
Se 196.026	4960.94	4937.98	4993.12
Sn 189.925	4933.98	4882.93	4965.35
Sr 216.596	2493.60	2482.27	2505.10
Ti 334.941	489.117	487.267	492.722
Tl 190.794	4993.43	4989.39	5046.57
V 292.401	4934.05	4907.60	4959.88
Zn 206.200	2594.63	2559.81	2593.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.384	ppb	2.6920	0.6	36229.3	96.27675
Al 308.215	4820.06	ppb	20.1275	0.4	10577.8	96.40115
As 188.980	475.770	ppb	5.7441	1.2	279.879	95.15402
B 249.678	499.348	ppb	4.6184	0.9	5963.72	19.97391Q
Ba 389.178	5060.43	ppb	24.3699	0.5	108609	101.20861
Be 313.042	512.181	ppb	2.7068	0.5	891059	102.43626
Ca 370.602	4912	ppb	34.34	0.7	13365	98.23215
Cd 226.502	513.384	ppb	2.9444	0.6	17461.1	102.67674
Co 228.615	518.967	ppb	2.4757	0.5	5174.61	103.79333
Cr 267.716	5089.64	ppb	22.1896	0.4	156961	101.79282
Cu 324.754	5128.60	ppb	28.1011	0.5	266788	102.57196
Fe 271.441	4928.47	ppb	29.2092	0.6	8288.32	98.56944
K 766.491	9818.57	ppb	60.6689	0.6	312175	98.18565
Mg 279.078	4949.49	ppb	22.0592	0.4	9829.28	98.98981
Mn 257.610	5184.52	ppb	23.1506	0.4	1201146	103.69044
Mo 202.032	488.582	ppb	4.1939	0.9	3479.99	97.71645
Na 330.237	7278.79	ppb	90.7989	1.2	352.119	97.05054
Ni 231.604	2598.88	ppb	14.2809	0.5	6670.58	103.95522
Pb 220.353	493.813	ppb	7.8819	1.6	869.467	98.76266
Sb 206.834	914.758	ppb	3.0516	0.3	945.720	91.47583
Se 196.026	4964.01	ppb	27.6976	0.6	2308.99	99.28027
Sn 189.925	4927.42	ppb	41.6006	0.8	3577.94	98.54838
Sr 216.596	2493.66	ppb	11.4117	0.5	23910.4	99.74629
Ti 334.941	489.702	ppb	2.7743	0.6	125019	97.94040
Tl 190.794	5009.80	ppb	31.9090	0.6	4796.74	100.19595
V 292.401	4933.84	ppb	26.1390	0.5	130125	98.67686
Zn 206.200	2582.79	ppb	19.9950	0.8	3312.65	103.31176

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/17/2013, 9:38:55 PM Rack 2, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7449u	-0.9118u	-0.9541u
Al 308.215	-4.8716u	-5.7645u	-1.1297u
As 188.980	0.3812	-2.4164u	-2.4759u
B 249.678	1.3082	0.6957	-0.2025u
Ba 389.178	-0.9554u	-0.8548u	-0.3518u
Be 313.042	-0.4866u	-0.4504u	-0.4215u
Ca 370.602	0.4634	-4.683u	-0.9740u
Cd 226.502	-0.4443u	-0.5564u	-0.3745u
Co 228.615	-0.9666u	-0.4898u	0.2119
Cr 267.716	-0.5457u	-0.0976u	-0.0617u
Cu 324.754	-0.1681u	0.0365	0.0704
Fe 271.441	-14.0315u	-10.8051u	-11.3859u
K 766.491	-4.8278u	-3.5139u	-2.7494u
Mg 279.078	3.5602	1.7943	2.4557
Mn 257.610	-0.8933u	-0.4446u	-0.2014u
Mo 202.032	-0.7888u	-0.3792u	-0.2820u
Na 330.237	-36.9820u	-86.4739u	275.478
Ni 231.604	-0.5763u	-0.4215u	-0.6485u
Pb 220.353	4.2394	1.1538	3.5883
Sb 206.834	1.3045	1.6601	-0.1906u
Se 196.026	2.8340	1.8184	-3.6216u
Sn 189.925	-5.6715u	-6.1522u	-0.4063u
Sr 216.596	-2.3586u	-1.7553u	-1.8337u
Ti 334.941	-0.3870u	-0.4187u	-0.3510u
Tl 190.794	2.3376	0.0416	2.8356
V 292.401	-0.3231u	-0.1068u	0.5451
Zn 206.200	1.8159	-0.7203u	0.0243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8703	ppb	0.1106	12.7	-40.2363	-0.87027
Al 308.215	-3.9219	ppb	2.4590	62.7	-32.8330	-3.92192
As 188.980	-1.5037	ppb	1.6326	108.6	-10.5148	-1.50370
B 249.678	0.6004	ppb	0.7598	126.5	199.765	0.60044
Ba 389.178	-0.7207	ppb	0.3234	44.9	5.7725	-0.72068
Be 313.042	-0.4528	ppb	0.0326	7.2	-176.206	-0.45282
Ca 370.602	-1.731	ppb	2.655	153.4	13.32	-1.73113
Cd 226.502	-0.4584	ppb	0.0918	20.0	27.7310	-0.45838
Co 228.615	-0.4148	ppb	0.5928	142.9	-5.9630	-0.41484
Cr 267.716	-0.2350	ppb	0.2697	114.7	2.0942	-0.23504
Cu 324.754	-0.0204	ppb	0.1291	633.1	209.761	-0.02039
Fe 271.441	-12.0742	ppb	1.7198	14.2	94.5881	-12.07419
K 766.491	-3.6970	ppb	1.0512	28.4	352.337	-3.69702
Mg 279.078	2.6034	ppb	0.8922	34.3	39.8172	2.60336
Mn 257.610	-0.5131	ppb	0.3510	68.4	308.790	-0.51311
Mo 202.032	-0.4833	ppb	0.2690	55.7	18.0548	-0.48331
Na 330.237	50.6740	ppb	196.252	387.3	57.6646	50.67403
Ni 231.604	-0.5487	ppb	0.1160	21.1	-5.9676	-0.54873
Pb 220.353	2.9938	ppb	1.6264	54.3	33.0234	2.99383
Sb 206.834	0.9247	ppb	0.9821	106.2	-2.0604	0.92468
Se 196.026	0.3436	ppb	3.4713	1010.3	10.5478	0.34359
Sn 189.925	-4.0766	ppb	3.1877	78.2	-8.0757	-4.07663
Sr 216.596	-1.9826	ppb	0.3280	16.5	29.7078	-1.98258
Ti 334.941	-0.3856	ppb	0.0339	8.8	-9.1346	-0.38555
Tl 190.794	1.7382	ppb	1.4903	85.7	-10.7271	1.73824
V 292.401	0.0384	ppb	0.4520	1177.5	17.3901	0.03838
Zn 206.200	0.3733	ppb	1.3936	349.2	4.4715	0.37332

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-c-3-a (Samp) 4/17/2013, 9:44:30 PM Rack 2, Tube 39

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0123u	-1.1330u	-1.1250u
Al 308.215	15.4742	11.2909	5.9460
As 188.980	6.9147	-1.4226	-3.0233u
B 249.678	2038.24	2050.17	2060.00
Ba 389.178	391.231	390.016	391.729
Be 313.042	-0.4838u	-0.4909u	-0.4983u
Ca 370.602	143374	143374	143787
Cd 226.502	-0.0323	-0.2908	-0.2564
Co 228.615	-0.6421u	-0.1977u	-0.5650u
Cr 267.716	-2.0271u	-1.1642u	-1.5294u
Cu 324.754	-0.8525u	-0.9348u	-0.6721u
Fe 271.441	9941.80	9934.04	9949.82
K 766.491	106937x	107114x	107374x
Mg 279.078	230306	230292	230431
Mn 257.610	428.383	428.383	429.162
Mo 202.032	-1.3543u	-1.5842u	-1.0309u
Na 330.237	1807607x	1806255x	1814854x
Ni 231.604	1.2102	0.3866	0.7562
Pb 220.353	8.5319	4.7743	3.8548
Sb 206.834	-1.9990u	4.3572	2.8602
Se 196.026	9.3758	3.7721	11.1487
Sn 189.925	-8.3967u	-7.4347u	-7.0197u
Sr 216.596	1463.84	1462.30	1464.12
Ti 334.941	-3.1842	-3.1370	-3.2308
Tl 190.794	-6.6039u	-8.6987u	-1.3779u
V 292.401	-0.0021u	-0.1842u	-0.2307u
Zn 206.200	-1.6693u	-0.5076u	-0.3501u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0901b	ppb	0.0675	6.2	-125.480
Al 308.215	10.9037b	ppb	4.7759	43.8	-0.2341
As 188.980	0.8229b	ppb	5.3360	648.4	-7.9930
B 249.678	2049.47b	ppb	10.9007	0.5	23890.7
Ba 389.178	390.992b	ppb	0.8809	0.2	8978.86
Be 313.042	-0.4910b	ppb	0.0073	1.5	-389.620
Ca 370.602	143512b	ppb	238.2	0.2	392462
Cd 226.502	-0.1931b	ppb	0.1404	72.7	52.8225
Co 228.615	-0.4682b	ppb	0.2375	50.7	-6.6915
Cr 267.716	-1.5736b	ppb	0.4331	27.5	-17.1701
Cu 324.754	-0.8198b	ppb	0.1344	16.4	171.255
Fe 271.441	9941.89b	ppb	7.8939	0.1	16358.6
K 766.491	107142xb	ppb	219.671	0.2	3401848
Mg 279.078	230343b	ppb	76.7436	0.0	459545
Mn 257.610	428.643b	ppb	0.4500	0.1	101058
Mo 202.032	-1.3232b	ppb	0.2779	21.0	11.6055
Na 330.237	1809572xb	ppb	4623.98	0.3	78969.1
Ni 231.604	0.7843b	ppb	0.4125	52.6	-2.3415
Pb 220.353	5.7203b	ppb	2.4779	43.3	37.7670
Sb 206.834	1.7395b	ppb	3.3230	191.0	-1.0365
Se 196.026	8.0989b	ppb	3.8505	47.5	14.2286
Sn 189.925	-7.6170b	ppb	0.7064	9.3	-10.0731
Sr 216.596	1463.42b	ppb	0.9793	0.1	14099.9
Ti 334.941	-3.1840b	ppb	0.0469	1.5	104.436
Tl 190.794	-5.5602b	ppb	3.7703	67.8	-18.8456
V 292.401	-0.1390b	ppb	0.1208	86.9	2.7200
Zn 206.200	-0.8423b	ppb	0.7205	85.5	2.9103

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640-43129-c-3-a^10 (Samp) 4/17/2013, 9:50:06 PM Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8225u	-0.7283u	-0.7421u
Al 308.215	-4.9299u	1.9075	5.5431
As 188.980	0.6985	-2.1084u	-2.7010u
B 249.678	216.045	215.174	214.064
Ba 389.178	37.4018	37.0037	37.4004
Be 313.042	-0.5255u	-0.5223u	-0.4921u
Ca 370.602	14143	14194	14204
Cd 226.502	-0.3139u	-0.2657u	-0.4771u
Co 228.615	-0.7352u	-0.3860u	-0.8364u
Cr 267.716	-1.3146u	-0.7066u	-0.4536u
Cu 324.754	-1.0217u	-0.8490u	-0.9661u
Fe 271.441	1021.12	1008.24	1021.10
K 766.491	6901.08	6894.01	6905.22
Mg 279.078	22252.9	22305.0	22336.8
Mn 257.610	42.5048	42.7077	43.1631
Mo 202.032	-0.5208u	-0.7759u	-1.3334u
Na 330.237	146993x	147072x	147048x
Ni 231.604	0.8351	2.0205	1.0274
Pb 220.353	2.2895	1.9039	1.6177
Sb 206.834	-4.2912u	1.6568	-1.8425u
Se 196.026	-1.3580u	1.9282	-7.1280u
Sn 189.925	-6.5027u	-3.8029u	-6.3789u
Sr 216.596	147.882	146.567	148.456
Ti 334.941	-0.8264u	-0.7834u	-0.7925u
Tl 190.794	-0.8897u	-1.4421u	0.1789
V 292.401	-0.8553u	-1.0546u	-0.4963u
Zn 206.200	1.6260	0.1598	1.5043

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7643b	ppb	0.0509	6.7	-39.2674
Al 308.215	0.8402b	ppb	5.3174	632.8	-22.3774
As 188.980	-1.3703b	ppb	1.8159	132.5	-10.3241
B 249.678	215.094b	ppb	0.9929	0.5	2679.95
Ba 389.178	37.2687b	ppb	0.2294	0.6	875.987
Be 313.042	-0.5133b	ppb	0.0184	3.6	-292.350
Ca 370.602	14181b	ppb	32.64	0.2	38793
Cd 226.502	-0.3522b	ppb	0.1108	31.5	33.1722
Co 228.615	-0.6526b	ppb	0.2363	36.2	-8.3418
Cr 267.716	-0.8249b	ppb	0.4425	53.6	-14.2530
Cu 324.754	-0.9456b	ppb	0.0881	9.3	161.972
Fe 271.441	1016.82b	ppb	7.4308	0.7	1775.70
K 766.491	6900.10b	ppb	5.6672	0.1	219524
Mg 279.078	22298.2b	ppb	42.3911	0.2	44517.2
Mn 257.610	42.7919b	ppb	0.3371	0.8	10469.9
Mo 202.032	-0.8767b	ppb	0.4156	47.4	15.2135
Na 330.237	147038xb	ppb	40.4544	0.0	6467.56
Ni 231.604	1.2943b	ppb	0.6362	49.2	-1.2129
Pb 220.353	1.9370b	ppb	0.3371	17.4	31.2332
Sb 206.834	-1.4923b	ppb	2.9894	200.3	-4.4151
Se 196.026	-2.1859b	ppb	4.5845	209.7	9.3863
Sn 189.925	-5.5615b	ppb	1.5243	27.4	-9.1078
Sr 216.596	147.635b	ppb	0.9686	0.7	1466.25
Ti 334.941	-0.8008b	ppb	0.0227	2.8	-33.0516
Tl 190.794	-0.7177b	ppb	0.8241	114.8	-13.2001
V 292.401	-0.8021b	ppb	0.2830	35.3	-5.4582
Zn 206.200	1.0967b	ppb	0.8137	74.3	5.4036

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640-43129-c-4-a (Samp) 4/17/2013, 9:55:52 PM Rack 2, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0345u	-1.1099u	-1.0829u
Al 308.215	2.7871	3.9235	7.6941
As 188.980	-6.3867u	-4.3520u	-12.9875u
B 249.678	2110.51	2124.72	2138.12
Ba 389.178	455.749	458.744	460.450
Be 313.042	-0.4871u	-0.4843u	-0.4944u
Ca 370.602	162453	162659	162762
Cd 226.502	0.0014	-0.1127	-0.2516
Co 228.615	-0.1237u	-0.2072u	-0.3973u
Cr 267.716	-2.1877u	-1.8522u	-2.3253u
Cu 324.754	-0.8053u	-1.0147u	-0.7212u
Fe 271.441	12070.1	12096.4	12130.5
K 766.491	109346x	109824x	110099x
Mg 279.078	254346	255081	254778
Mn 257.610	270.159	271.168	271.564
Mo 202.032	-1.1743u	-0.8132u	-0.4878u
Na 330.237	2069159x	2074841x	2071826x
Ni 231.604	1.6747	0.6094	-0.9421u
Pb 220.353	4.5735	3.8790	3.9773
Sb 206.834	-3.7815u	-1.7432u	-2.3482u
Se 196.026	1.0313	8.7220	-1.6635u
Sn 189.925	-4.7586u	-3.5621u	-5.3898u
Sr 216.596	1636.12	1640.83	1641.79
Ti 334.941	-3.7958u	-3.8244u	-3.7584u
Tl 190.794	-6.5101u	-4.7662u	-7.8446u
V 292.401	-0.2809u	-0.4185u	-0.3056u
Zn 206.200	-0.6683u	2.9010	0.3386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0758b	ppb	0.0382	3.6	-133.565
Al 308.215	4.8016b	ppb	2.5686	53.5	-13.6507
As 188.980	-7.9088b	ppb	4.5145	57.1	-13.1717
B 249.678	2124.45b	ppb	13.8054	0.6	24755.6
Ba 389.178	458.314b	ppb	2.3801	0.5	10485.1
Be 313.042	-0.4886b	ppb	0.0052	1.1	-406.661
Ca 370.602	162624b	ppb	157.4	0.1	444664
Cd 226.502	-0.1210b	ppb	0.1267	104.8	59.0847
Co 228.615	-0.2427b	ppb	0.1402	57.8	-4.5246
Cr 267.716	-2.1217b	ppb	0.2434	11.5	-31.3772
Cu 324.754	-0.8471b	ppb	0.1511	17.8	170.517
Fe 271.441	12099.0b	ppb	30.3189	0.3	19883.2
K 766.491	109756xb	ppb	381.038	0.3	3484860
Mg 279.078	254735b	ppb	369.336	0.1	508207
Mn 257.610	270.964b	ppb	0.7247	0.3	64689.2
Mo 202.032	-0.8251b	ppb	0.3434	41.6	15.0348
Na 330.237	2071942xb	ppb	2842.71	0.1	90410.6
Ni 231.604	0.4473b	ppb	1.3159	294.2	-3.1631
Pb 220.353	4.1433b	ppb	0.3758	9.1	35.0444
Sb 206.834	-2.6243b	ppb	1.0468	39.9	-5.2883
Se 196.026	2.6966b	ppb	5.3893	199.9	11.6900
Sn 189.925	-4.5702b	ppb	0.9283	20.3	-7.7744
Sr 216.596	1639.58b	ppb	3.0331	0.2	15791.8
Ti 334.941	-3.7929b	ppb	0.0331	0.9	32.4284
Tl 190.794	-6.3736b	ppb	1.5438	24.2	-19.5130
V 292.401	-0.3350b	ppb	0.0733	21.9	-4.1038
Zn 206.200	0.8571b	ppb	1.8403	214.7	5.0963

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640-43129-c-4-a^10 (Samp) 4/17/2013, 10:01:29 PM Rack 2, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9210u	-0.8406u	-1.1136u
Al 308.215	-4.0459u	1.3640	-0.7065u
As 188.980	2.4806	-2.6737u	-2.7505u
B 249.678	226.411	224.983	224.396
Ba 389.178	42.6301	43.5104	43.3680
Be 313.042	-0.5418u	-0.5397u	-0.5375u
Ca 370.602	15825	15932	15965
Cd 226.502	-0.4315u	-0.2549u	-0.4930u
Co 228.615	-0.3672u	-0.1268u	-1.1072u
Cr 267.716	-1.1762u	-0.9487u	-1.1727u
Cu 324.754	-0.9712u	-1.0342u	-1.0291u
Fe 271.441	1226.34	1231.65	1225.17
K 766.491	6786.34	6849.29	6873.79
Mg 279.078	24279.2	24438.3	24447.0
Mn 257.610	25.9579	26.2903	26.3975
Mo 202.032	-1.2844u	-1.2630u	-1.5610u
Na 330.237	163406x	163828x	165405x
Ni 231.604	0.8824	-0.1139u	-1.7386u
Pb 220.353	3.5902	4.6419	3.3087
Sb 206.834	-2.1588u	-6.0327u	3.0459
Se 196.026	-7.2021u	-8.7654u	4.7831
Sn 189.925	-3.0502u	-10.1172u	-0.7903u
Sr 216.596	163.341	164.618	163.972
Ti 334.941	-0.8984u	-0.8986u	-0.9023u
Tl 190.794	-3.0982u	-4.5366u	0.5800
V 292.401	-1.2059u	-1.6213u	-1.1155u
Zn 206.200	-3.6004u	-1.6313u	-1.8751u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9584b	ppb	0.1403	14.6	-54.7098
Al 308.215	-1.1294b	ppb	2.7297	241.7	-26.7124
As 188.980	-0.9812b	ppb	2.9982	305.6	-10.0751
B 249.678	225.263b	ppb	1.0364	0.5	2797.34
Ba 389.178	43.1695b	ppb	0.4725	1.1	1007.92
Be 313.042	-0.5397b	ppb	0.0022	0.4	-339.430
Ca 370.602	15907b	ppb	73.33	0.5	43507
Cd 226.502	-0.3931b	ppb	0.1236	31.4	32.1942
Co 228.615	-0.5337b	ppb	0.5110	95.7	-7.1661
Cr 267.716	-1.0992b	ppb	0.1303	11.9	-22.5422
Cu 324.754	-1.0115b	ppb	0.0350	3.5	158.614
Fe 271.441	1227.72b	ppb	3.4496	0.3	2120.23
K 766.491	6836.47b	ppb	45.1119	0.7	217504
Mg 279.078	24388.2b	ppb	94.4616	0.4	48686.8
Mn 257.610	26.2152b	ppb	0.2292	0.9	6643.70
Mo 202.032	-1.3695b	ppb	0.1662	12.1	11.7067
Na 330.237	164213xb	ppb	1053.24	0.6	7216.55
Ni 231.604	-0.3233b	ppb	1.3230	409.2	-5.3635
Pb 220.353	3.8469b	ppb	0.7027	18.3	34.4846
Sb 206.834	-1.7152b	ppb	4.5555	265.6	-4.6318
Se 196.026	-3.7282b	ppb	7.4123	198.8	8.6686
Sn 189.925	-4.6525b	ppb	4.8655	104.6	-8.4413
Sr 216.596	163.977b	ppb	0.6385	0.4	1623.22
Ti 334.941	-0.8998b	ppb	0.0022	0.2	-50.7919
Tl 190.794	-2.3516b	ppb	2.6387	112.2	-14.7578
V 292.401	-1.3142b	ppb	0.2697	20.5	-19.0744
Zn 206.200	-2.3689b	ppb	1.0734	45.3	-0.9473

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89241-d-1-a (Samp) 4/17/2013, 10:07:04 PM Rack 2, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9124u	-1.0542u	-0.8077u
Al 308.215	8.6742	7.6662	9.6685
As 188.980	-1.5361u	3.3009	-1.5779u
B 249.678	10.4752	9.3043	8.2001
Ba 389.178	200.423	200.049	199.402
Be 313.042	-0.4526u	-0.4516u	-0.4548u
Ca 370.602	59503	59465	59739
Cd 226.502	-0.2151	-0.1570	-0.2950
Co 228.615	3.1267	2.4434	2.2877
Cr 267.716	1.5027	1.3238	1.5462
Cu 324.754	-1.2104u	-1.2466u	-1.4054u
Fe 271.441	30036.0	30035.9	30172.9
K 766.491	8244.96	8237.09	8248.34
Mg 279.078	14695.4	14664.9	14700.7
Mn 257.610	13861.4	13853.7	13884.0
Mo 202.032	0.6403	0.2098	0.8486
Na 330.237	125276x	124781x	124843x
Ni 231.604	2.5963	1.2087	1.2908
Pb 220.353	1.6303	2.4332	1.7631
Sb 206.834	-6.1545u	1.7614	-0.3698
Se 196.026	1.7409	-9.6359u	-3.6966
Sn 189.925	-6.4559u	-3.8989u	-7.7095u
Sr 216.596	526.042	525.884	527.945
Ti 334.941	-0.6172u	-0.5798u	-0.6338u
Tl 190.794	20.5182u	25.4338	25.2215
V 292.401	-0.6318u	-0.9353u	-0.8801u
Zn 206.200	3.4366	3.1105	3.4485

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9248b	ppb	0.1237	13.4	-5.0175
Al 308.215	8.6696b	ppb	1.0012	11.5	-5.0688
As 188.980	0.0623b	ppb	2.8048	4502.8	-9.3624
B 249.678	9.3265b	ppb	1.1377	12.2	265.970
Ba 389.178	199.958b	ppb	0.5166	0.3	4385.57
Be 313.042	-0.4530b	ppb	0.0017	0.4	-174.827
Ca 370.602	59569b	ppb	148.5	0.2	161424
Cd 226.502	-0.2224b	ppb	0.0693	31.2	101.882
Co 228.615	2.6193b	ppb	0.4463	17.0	23.3432
Cr 267.716	1.4576b	ppb	0.1179	8.1	98.7061
Cu 324.754	-1.2875b	ppb	0.1037	8.1	153.201
Fe 271.441	30081.6b	ppb	79.0947	0.3	49265.8
K 766.491	8243.46b	ppb	5.7744	0.1	262171
Mg 279.078	14687.0b	ppb	19.3465	0.1	29128.8
Mn 257.610	13866.4b	ppb	15.7776	0.1	3211886
Mo 202.032	0.5663b	ppb	0.3258	57.5	24.0279
Na 330.237	124967xb	ppb	269.462	0.2	5497.63
Ni 231.604	1.6986b	ppb	0.7785	45.8	0.4157
Pb 220.353	1.9422b	ppb	0.4304	22.2	34.3028
Sb 206.834	-1.5876b	ppb	4.0961	258.0	-3.8764
Se 196.026	-3.8639b	ppb	5.6903	147.3	11.7832
Sn 189.925	-6.0214b	ppb	1.9421	32.3	-9.4323
Sr 216.596	526.623b	ppb	1.1471	0.2	5115.52
Ti 334.941	-0.6103b	ppb	0.0276	4.5	-11.6871
Tl 190.794	23.7245b	ppb	2.7788	11.7	-10.6284
V 292.401	-0.8157b	ppb	0.1617	19.8	-6.0257
Zn 206.200	3.3319b	ppb	0.1918	5.8	8.2780

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89241-d-2-a (Samp) 4/17/2013, 10:12:40 PM Rack 2, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7677u	-0.9651u	-0.7840u
Al 308.215	9.9366	15.7844	7.6055
As 188.980	-8.9191u	0.0755	-1.9483u
B 249.678	12.7600	12.3624	13.1940
Ba 389.178	36.7844	36.7462	36.6527
Be 313.042	-0.4290u	-0.4265u	-0.4266u
Ca 370.602	123188	123636	123600
Cd 226.502	-0.5989u	-0.3399u	-0.4794u
Co 228.615	-0.6501u	-0.8652u	-0.0763u
Cr 267.716	2.0572	1.7488	1.3353
Cu 324.754	-0.9246u	-0.9169u	-0.6373u
Fe 271.441	4444.92	4451.94	4446.69
K 766.491	8421.29	8401.49	8416.90
Mg 279.078	32550.4	32578.0	32541.8
Mn 257.610	13275.8	13305.3	13266.8
Mo 202.032	-0.1116u	-0.1067u	-0.4248u
Na 330.237	76861.0	76662.0	76555.4
Ni 231.604	2.7349	1.9870	3.3940
Pb 220.353	-0.8956	-1.6313	3.3118
Sb 206.834	0.9040	0.0475	-2.0945u
Se 196.026	8.0267	10.6469	7.7890
Sn 189.925	-3.8044u	-2.2137u	-7.7274u
Sr 216.596	654.704	658.095	656.494
Ti 334.941	-0.5598u	-0.5387u	-0.5327u
Tl 190.794	19.2022u	20.2357	18.0485u
V 292.401	-0.5365u	-0.4805u	-0.6902u
Zn 206.200	4.1159	4.3422	3.9290

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8389	ppb	0.1095	13.1	-7.6000
Al 308.215	11.1088	ppb	4.2136	37.9	0.2678
As 188.980	-3.5973	ppb	4.7186	131.2	-10.7885
B 249.678	12.7721	ppb	0.4159	3.3	335.438
Ba 389.178	36.7278	ppb	0.0678	0.2	893.474
Be 313.042	-0.4274	ppb	0.0014	0.3	-104.443
Ca 370.602	123475	ppb	248.8	0.2	338270
Cd 226.502	-0.4727	ppb	0.1296	27.4	37.1194
Co 228.615	-0.5306	ppb	0.4078	76.9	-7.2418
Cr 267.716	1.7138	ppb	0.3622	21.1	100.577
Cu 324.754	-0.8263	ppb	0.1637	19.8	169.253
Fe 271.441	4447.85	ppb	3.6538	0.1	7381.74
K 766.491	8413.23	ppb	10.4031	0.1	267561
Mg 279.078	32556.7	ppb	18.9461	0.1	64781.9
Mn 257.610	13282.7	ppb	20.1481	0.2	3076743
Mo 202.032	-0.2144	ppb	0.1823	85.0	19.7457
Na 330.237	76692.8	ppb	155.082	0.2	3398.90
Ni 231.604	2.7053	ppb	0.7040	26.0	2.4807
Pb 220.353	0.2616	ppb	2.6670	1019.5	31.3108
Sb 206.834	-0.3810	ppb	1.5445	405.4	-3.2484
Se 196.026	8.8208	ppb	1.5858	18.0	17.5421
Sn 189.925	-4.5818	ppb	2.8379	61.9	-8.3749
Sr 216.596	656.431	ppb	1.6967	0.3	6356.96
Ti 334.941	-0.5437	ppb	0.0142	2.6	79.2514
Tl 190.794	19.1621	ppb	1.0942	5.7	-12.9242
V 292.401	-0.5691	ppb	0.1086	19.1	1.1337
Zn 206.200	4.1290	ppb	0.2069	5.0	0.3018

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680-89241-d-3-a (Samp) 4/17/2013, 10:18:15 PM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8409u	-0.8202u	-0.9543u
Al 308.215	12.1854	13.8881	20.6543
As 188.980	-6.6764u	-3.8225u	-0.2969
B 249.678	14.3067	14.6527	14.0258
Ba 389.178	343.152	343.262	342.859
Be 313.042	-0.4239u	-0.4058u	-0.3937u
Ca 370.602	123075	123481	123699
Cd 226.502	-0.4918u	-0.2668u	-0.6080u
Co 228.615	-0.2880u	-0.4645u	-1.9262u
Cr 267.716	2.0589	3.0096	2.3177
Cu 324.754	-0.9309u	-0.8523u	-0.4359u
Fe 271.441	1155.29	1161.99	1176.50
K 766.491	11394.2	11368.3	11377.6
Mg 279.078	35400.3	35516.6	35554.8
Mn 257.610	13863.6	13890.2	13880.3
Mo 202.032	-0.5309u	-0.8505u	-1.6612u
Na 330.237	80799.9	80838.2	81056.7
Ni 231.604	3.2704	2.4957	4.6572
Pb 220.353	2.7914	1.5168	0.3486
Sb 206.834	0.2424	6.1473	1.6339
Se 196.026	3.3158	-7.7702u	-6.5561
Sn 189.925	-7.1570u	-2.8083u	-5.5372u
Sr 216.596	956.543	961.713	964.412
Ti 334.941	0.7050	0.7202	0.7359
Tl 190.794	17.4508u	17.1866u	20.8373
V 292.401	2.0140	2.4036	2.2471
Zn 206.200	1.3092	3.0552	3.1536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8718	ppb	0.0722	8.3	-21.2266
Al 308.215	15.5760	ppb	4.4796	28.8	10.0415
As 188.980	-3.5986	ppb	3.1956	88.8	-10.7567
B 249.678	14.3284	ppb	0.3140	2.2	357.241
Ba 389.178	343.091	ppb	0.2082	0.1	7468.37
Be 313.042	-0.4078	ppb	0.0152	3.7	-71.1952
Ca 370.602	123418	ppb	316.4	0.3	338359
Cd 226.502	-0.4555	ppb	0.1735	38.1	30.4499
Co 228.615	-0.8929	ppb	0.8992	100.7	-10.6967
Cr 267.716	2.4621	ppb	0.4915	20.0	124.840
Cu 324.754	-0.7397	ppb	0.2660	36.0	172.688
Fe 271.441	1164.60	ppb	10.8412	0.9	2017.11
K 766.491	11380.0	ppb	13.1365	0.1	361746
Mg 279.078	35490.6	ppb	80.5000	0.2	70625.1
Mn 257.610	13878.0	ppb	13.4679	0.1	3214632
Mo 202.032	-1.0142	ppb	0.5827	57.5	14.2250
Na 330.237	80898.3	ppb	138.552	0.2	3583.14
Ni 231.604	3.4744	ppb	1.0951	31.5	4.3894
Pb 220.353	1.5523	ppb	1.2218	78.7	33.6427
Sb 206.834	2.6745	ppb	3.0870	115.4	-0.3006
Se 196.026	-3.6702	ppb	6.0804	165.7	11.9019
Sn 189.925	-5.1675	ppb	2.1978	42.5	-8.7995
Sr 216.596	960.889	ppb	3.9985	0.4	9275.58
Ti 334.941	0.7204	ppb	0.0154	2.1	413.091
Tl 190.794	18.4915	ppb	2.0357	11.0	-14.2439
V 292.401	2.2216	ppb	0.1961	8.8	75.1055
Zn 206.200	2.5060	ppb	1.0376	41.4	752137

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680-89241-d-4-a (Samp) 4/17/2013, 10:23:51 PM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6718u	-0.5100u	-0.8918u
Al 308.215	13.3987	13.5746	15.6628
As 188.980	3.5137	-5.0744u	-0.9238
B 249.678	7.0198	6.8660	5.6629
Ba 389.178	98.3486	99.8405	99.8694
Be 313.042	-0.3963u	-0.3949u	-0.3652u
Ca 370.602	138024	137842	138315
Cd 226.502	-0.3551	-0.3858u	-0.6351u
Co 228.615	0.0421	0.1625	0.2050
Cr 267.716	1.8131	2.0945	2.2629
Cu 324.754	0.2536	0.3254	0.2175
Fe 271.441	5615.56	5628.67	5632.31
K 766.491	9436.30	9411.92	9398.00
Mg 279.078	36636.0	36616.0	36742.6
Mn 257.610	15793.2	15774.8	15786.2
Mo 202.032	0.3504	0.4053	-0.5686u
Na 330.237	82704.1	82562.3	82817.9
Ni 231.604	2.6307	1.6282	4.8292
Pb 220.353	4.3544	2.6098	1.4001
Sb 206.834	2.7081	5.5161	-2.9493u
Se 196.026	-6.3146	-4.7582	11.1994
Sn 189.925	-6.6860u	-6.1792u	-5.1143u
Sr 216.596	792.885	794.422	799.492
Ti 334.941	-0.5305	-0.5515	-0.5417
Tl 190.794	21.0538u	26.1400	23.7973
V 292.401	-0.4263u	-0.6890u	-0.2849u
Zn 206.200	23.0583	21.7716	24.5562

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6912	ppb	0.1916	27.7	8.6957
Al 308.215	14.2120	ppb	1.2595	8.9	7.1103
As 188.980	-0.8282	ppb	4.2948	518.6	-8.9923
B 249.678	6.5162	ppb	0.7430	11.4	261.707
Ba 389.178	99.3529	ppb	0.8698	0.9	2248.34
Be 313.042	-0.3855	ppb	0.0175	4.5	-28.2936
Ca 370.602	138060	ppb	238.9	0.2	378203
Cd 226.502	-0.4587	ppb	0.1535	33.5	40.2218
Co 228.615	0.1366	ppb	0.0845	61.9	-0.6380
Cr 267.716	2.0568	ppb	0.2273	11.0	118.349
Cu 324.754	0.2655	ppb	0.0550	20.7	226.376
Fe 271.441	5625.51	ppb	8.8077	0.2	9306.00
K 766.491	9415.41	ppb	19.3824	0.2	299377
Mg 279.078	36664.9	ppb	68.0170	0.2	72939.5
Mn 257.610	15784.7	ppb	9.2957	0.1	3656222
Mo 202.032	0.0624	ppb	0.5471	876.9	21.6520
Na 330.237	82694.7	ppb	128.044	0.2	3660.22
Ni 231.604	3.0294	ppb	1.6373	54.0	3.3370
Pb 220.353	2.7881	ppb	1.4852	53.3	36.1705
Sb 206.834	1.7583	ppb	4.3119	245.2	-1.1211
Se 196.026	0.0422	ppb	9.6937	22973.5	14.0574
Sn 189.925	-5.9932	ppb	0.8022	13.4	-9.3940
Sr 216.596	795.600	ppb	3.4575	0.4	7693.36
Ti 334.941	-0.5412	ppb	0.0105	1.9	96.3913
Tl 190.794	23.6637	ppb	2.5457	10.8	-12.1829
V 292.401	-0.4667	ppb	0.2051	43.9	3.8152
Zn 206.200	23.1287	ppb	1.3936	6.0	33.7371

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680-89241-d-5-a (Samp) 4/17/2013, 10:29:27 PM Rack 2, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6413	-0.6331	-0.3988
Al 308.215	72.2338	70.4602	69.0585
As 188.980	-1.9472	-3.4009u	3.9185
B 249.678	12.3297	12.6074	12.6569
Ba 389.178	400.776	400.883	400.824
Be 313.042	-0.5592u	-0.5691u	-0.5676u
Ca 370.602	171186	170907	171506
Cd 226.502	-0.3952	-0.3980	-0.1456
Co 228.615	-0.0770u	-0.2912u	-0.0657u
Cr 267.716	4.4921	4.5777	4.3348
Cu 324.754	-1.4853u	-1.4491u	-1.4384u
Fe 271.441	22496.4	22508.0	22549.8
K 766.491	13838.6	13831.8	13776.7
Mg 279.078	54468.2	54506.1	54643.6
Mn 257.610	25911.7	25900.8	25926.6
Mo 202.032	2.5703	2.2259	1.8815
Na 330.237	137590x	137709x	137704x
Ni 231.604	5.3154	6.1132	5.7560
Pb 220.353	1.6319	1.8139	2.5361
Sb 206.834	-2.3911u	1.2647	-0.6966u
Se 196.026	5.5594	0.7372	-6.6300
Sn 189.925	-4.0388u	-8.4875u	-6.4400u
Sr 216.596	1073.37	1072.94	1076.66
Ti 334.941	1.4946	1.4981	1.5628
Tl 190.794	42.8709	37.5863u	38.4464u
V 292.401	0.6898	0.7968	0.8343
Zn 206.200	3.3530	0.6256	-0.4841u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5577b	ppb	0.1377	24.7	52.1100
Al 308.215	70.5842b	ppb	1.5913	2.3	131.315
As 188.980	-0.4765b	ppb	3.8750	813.2	-8.6678
B 249.678	12.5313b	ppb	0.1764	1.4	311.743
Ba 389.178	400.828b	ppb	0.0534	0.0	8780.94
Be 313.042	-0.5653b	ppb	0.0053	0.9	-339.927
Ca 370.602	171200b	ppb	300.2	0.2	468041
Cd 226.502	-0.3129b	ppb	0.1449	46.3	82.5669
Co 228.615	-0.1446b	ppb	0.1271	87.8	-3.9479
Cr 267.716	4.4682b	ppb	0.1232	2.8	223.989
Cu 324.754	-1.4576b	ppb	0.0246	1.7	142.073
Fe 271.441	22518.1b	ppb	28.1130	0.1	36907.3
K 766.491	13815.7b	ppb	33.9360	0.2	439070
Mg 279.078	54539.3b	ppb	92.3090	0.2	108447
Mn 257.610	25913.0b	ppb	12.9700	0.1	6001971
Mo 202.032	2.2259b	ppb	0.3444	15.5	36.1739
Na 330.237	137668xb	ppb	67.2672	0.0	6053.44
Ni 231.604	5.7282b	ppb	0.3996	7.0	10.6127
Pb 220.353	1.9939b	ppb	0.4782	24.0	37.0565
Sb 206.834	-0.6077b	ppb	1.8295	301.1	-3.1008
Se 196.026	-0.1112b	ppb	6.1388	5522.8	16.3151
Sn 189.925	-6.3221b	ppb	2.2267	35.2	-9.6053
Sr 216.596	1074.32b	ppb	2.0377	0.2	10375.5
Ti 334.941	1.5185b	ppb	0.0384	2.5	693.050
Tl 190.794	39.6345b	ppb	2.8356	7.2	-11.9434
V 292.401	0.7736b	ppb	0.0750	9.7	36.0303
Zn 206.200	1.1648b	ppb	1.9746	169.5	5.4895

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680-89241-d-6-a (Samp) 4/17/2013, 10:35:03 PM Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2124	-0.9917	-1.0907
Al 308.215	45.2795	40.5804	43.8871
As 188.980	-0.7154	0.2877	2.4415
B 249.678	-0.8137u	0.6589u	-0.0855u
Ba 389.178	213.256	212.233	212.126
Be 313.042	-0.2330u	-0.2293u	-0.2208u
Ca 370.602	104509	103866	104077
Cd 226.502	-0.1580	-0.0082	-0.2062
Co 228.615	8.7716	8.2137	8.7508
Cr 267.716	8.4842	8.8767	8.7393
Cu 324.754	0.0557	-0.1911u	0.0656
Fe 271.441	25946.1	25789.1	25889.3
K 766.491	21914.2	21802.7	21831.4
Mg 279.078	20684.9	20610.8	20659.9
Mn 257.610	39128.2x	38977.7x	39103.3x
Mo 202.032	7.6052	7.6337	7.6178
Na 330.237	123161x	123203x	123464x
Ni 231.604	5.6446	4.4508	3.3024
Pb 220.353	4.6607	2.5754	0.9132
Sb 206.834	-1.7454u	-4.9946u	-3.8496u
Se 196.026	7.2254	-4.0769	-2.0925
Sn 189.925	-4.8882u	-1.6395u	-0.2020u
Sr 216.596	665.477	658.895	661.181
Ti 334.941	8.5384	8.4391	8.5096
Tl 190.794	65.7273	65.1777	65.0857
V 292.401	17.9033	17.8019	18.1213
Zn 206.200	6.4704	4.9424	4.4656

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0983b	ppb	0.1106	10.1	91.6068
Al 308.215	43.2490b	ppb	2.4137	5.6	71.2865
As 188.980	0.6713b	ppb	1.6130	240.3	-8.5726
B 249.678	-0.0801b	ppb	0.7363	919.1	162.029
Ba 389.178	212.538b	ppb	0.6240	0.3	4663.93
Be 313.042	-0.2277b	ppb	0.0063	2.8	222.860
Ca 370.602	104151b	ppb	327.6	0.3	284454
Cd 226.502	-0.1241b	ppb	0.1033	83.2	95.9962
Co 228.615	8.5787b	ppb	0.3162	3.7	82.8301
Cr 267.716	8.7001b	ppb	0.1992	2.3	391.281
Cu 324.754	-0.0233b	ppb	0.1454	624.5	217.632
Fe 271.441	25874.8b	ppb	79.4758	0.3	42393.4
K 766.491	21849.4b	ppb	57.9069	0.3	694114
Mg 279.078	20651.8b	ppb	37.6838	0.2	40645.3
Mn 257.610	39069.7xb	ppb	80.6826	0.2	9048719
Mo 202.032	7.6189b	ppb	0.0143	0.2	74.2576
Na 330.237	123276xb	ppb	164.433	0.1	5424.90
Ni 231.604	4.4660b	ppb	1.1712	26.2	7.4382
Pb 220.353	2.7164b	ppb	1.8777	69.1	41.1899
Sb 206.834	-3.5299b	ppb	1.6481	46.7	-5.9606
Se 196.026	0.3520b	ppb	6.0347	1714.3	19.5717
Sn 189.925	-2.2432b	ppb	2.4007	107.0	-6.6686
Sr 216.596	661.851b	ppb	3.3415	0.5	6414.67
Ti 334.941	8.4957b	ppb	0.0511	0.6	2334.35
Tl 190.794	65.3302b	ppb	0.3469	0.5	-5.9435
V 292.401	17.9421b	ppb	0.1632	0.9	488.897
Zn 206.200	5.2928b	ppb	1.0473	19.8	10.7958

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Cont Calib Verif (CCV) 4/17/2013, 10:40:39 PM Rack 2, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	487.988	487.624	488.562
Al 308.215	4890.45	4875.72	4829.31
As 188.980	467.748	481.854	480.477
B 249.678	495.529	498.832	503.073
Ba 389.178	5065.27	5076.79	5065.93
Be 313.042	513.598	512.699	513.313
Ca 370.602	4948	4981	4966
Cd 226.502	511.948	514.223	514.980
Co 228.615	515.778	518.186	520.370
Cr 267.716	5153.88	5134.31	5100.10
Cu 324.754	5209.92	5079.06	5227.40
Fe 271.441	4930.24	4943.27	4946.85
K 766.491	9870.25	9909.20	9894.56
Mg 279.078	4947.79	4969.13	4970.62
Mn 257.610	5176.52	5213.75	5208.38
Mo 202.032	487.318	489.588	488.441
Na 330.237	7142.98	7314.68	7280.57
Ni 231.604	2589.47	2596.06	2602.92
Pb 220.353	495.891	493.559	493.749
Sb 206.834	918.709	926.024	924.994
Se 196.026	4900.50	4940.40	4962.57
Sn 189.925	4974.58	4979.38	4979.05
Sr 216.596	2501.51	2509.94	2499.78
Ti 334.941	492.417	492.411	490.159
Tl 190.794	4983.44	5005.84	5015.30
V 292.401	4921.96	4937.44	4942.52
Zn 206.200	2576.40	2574.33	2585.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.058	ppb	0.4731	0.1	36732.8	97.61157
Al 308.215	4865.16	ppb	31.9077	0.7	10677.1	97.30315
As 188.980	476.693	ppb	7.7768	1.6	280.442	95.33862
B 249.678	499.145	ppb	3.7818	0.8	5961.36	19.96579Q
Ba 389.178	5069.33	ppb	6.4686	0.1	108800	101.38654
Be 313.042	513.204	ppb	0.4597	0.1	892837	102.64072
Ca 370.602	4965	ppb	16.32	0.3	13511	99.29521
Cd 226.502	513.717	ppb	1.5780	0.3	17472.4	102.74343
Co 228.615	518.111	ppb	2.2970	0.4	5166.14	103.62225
Cr 267.716	5129.43	ppb	27.2195	0.5	158188	102.58852
Cu 324.754	5172.13	ppb	81.0709	1.6	269050	103.44254
Fe 271.441	4940.12	ppb	8.7380	0.2	8307.33	98.80241
K 766.491	9891.34	ppb	19.6727	0.2	314486	98.91339
Mg 279.078	4962.51	ppb	12.7742	0.3	9855.02	99.25028
Mn 257.610	5199.55	ppb	20.1235	0.4	1204627	103.99107
Mo 202.032	488.449	ppb	1.1351	0.2	3479.05	97.68987
Na 330.237	7246.08	ppb	90.8990	1.3	350.712	96.61435
Ni 231.604	2596.15	ppb	6.7270	0.3	6663.57	103.84615
Pb 220.353	494.400	ppb	1.2949	0.3	870.471	98.87991
Sb 206.834	923.242	ppb	3.9599	0.4	954.041	92.32423
Se 196.026	4934.49	ppb	31.4507	0.6	2295.33	98.68983
Sn 189.925	4977.67	ppb	2.6820	0.1	3614.48	99.55342
Sr 216.596	2503.74	ppb	5.4316	0.2	24007.3	100.14977
Ti 334.941	491.662	ppb	1.3022	0.3	125519	98.33244
Tl 190.794	5001.53	ppb	16.3656	0.3	4788.77	100.03054
V 292.401	4933.97	ppb	10.7077	0.2	130129	98.67947
Zn 206.200	2578.58	ppb	5.6696	0.2	3307.24	103.14327

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Cont Calib Blank (CCB) 4/17/2013, 10:46:15 PM Rack 2, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5642u	-0.5196u	-0.8196u
Al 308.215	-0.1612u	-4.8423u	-3.8823u
As 188.980	0.4876	0.4026	-2.5534u
B 249.678	1.5805	0.4052	-0.1037u
Ba 389.178	-1.6373u	-1.0311u	-0.6369u
Be 313.042	-0.4951u	-0.4696u	-0.4381u
Ca 370.602	2.296	3.364	2.823
Cd 226.502	-0.3160u	-0.2773u	-0.3252u
Co 228.615	-0.0860u	-0.1373u	-1.1287u
Cr 267.716	-0.5051u	-0.6188u	-0.1892u
Cu 324.754	-1.2301u	-0.7579u	0.0961
Fe 271.441	-4.7211u	-5.2360u	-7.6738u
K 766.491	-4.2701u	-4.0489u	-2.6921u
Mg 279.078	5.0041	0.6556	2.9613
Mn 257.610	0.3558	0.8419	1.4194
Mo 202.032	-0.8023u	-0.4422u	-0.6609u
Na 330.237	185.327	3.9228	97.4930
Ni 231.604	0.1658	-0.0199u	-1.1257u
Pb 220.353	0.3938	2.2397	-0.5967u
Sb 206.834	0.9701	1.5787	3.3925
Se 196.026	-2.1131u	-4.9666u	-2.2303u
Sn 189.925	-5.3933u	0.0126	-2.8516u
Sr 216.596	-2.1067u	-2.1518u	-2.3299u
Ti 334.941	-0.4544u	-0.4755u	-0.4007u
Tl 190.794	-1.6002u	2.0772	4.4909
V 292.401	-0.1501u	0.0787	0.1883
Zn 206.200	0.8790	2.9772	2.2704

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6345	ppb	0.1619	25.5	-22.4794	-0.63446
Al 308.215	-2.9619	ppb	2.4726	83.5	-30.7341	-2.96192
As 188.980	-0.5544	ppb	1.7317	312.4	-9.9368	-0.55439
B 249.678	0.6273	ppb	0.8638	137.7	200.070	0.62733
Ba 389.178	-1.1018	ppb	0.5039	45.7	-2.3978	-1.10176
Be 313.042	-0.4676	ppb	0.0285	6.1	-201.881	-0.46760
Ca 370.602	2.828	ppb	0.5338	18.9	25.49	2.82751
Cd 226.502	-0.3062	ppb	0.0254	8.3	32.9028	-0.30616
Co 228.615	-0.4507	ppb	0.5877	130.4	-6.3137	-0.45067
Cr 267.716	-0.4377	ppb	0.2226	50.8	-4.1529	-0.43773
Cu 324.754	-0.6306	ppb	0.6722	106.6	178.030	-0.63064
Fe 271.441	-5.8769	ppb	1.5772	26.8	104.666	-5.87695
K 766.491	-3.6703	ppb	0.8544	23.3	353.184	-3.67034
Mg 279.078	2.8737	ppb	2.1756	75.7	40.3365	2.87366
Mn 257.610	0.8724	ppb	0.5325	61.0	629.665	0.87238
Mo 202.032	-0.6351	ppb	0.1814	28.6	16.9770	-0.63514
Na 330.237	95.5809	ppb	90.7172	94.9	59.6115	95.58092
Ni 231.604	-0.3266	ppb	0.6982	213.8	-5.3970	-0.32660
Pb 220.353	0.6789	ppb	1.4396	212.0	29.0793	0.67894
Sb 206.834	1.9804	ppb	1.2602	63.6	-1.0199	1.98040
Se 196.026	-3.1034	ppb	1.6147	52.0	8.9529	-3.10335
Sn 189.925	-2.7441	ppb	2.7046	98.6	-7.1067	-2.74410
Sr 216.596	-2.1961	ppb	0.1180	5.4	27.6795	-2.19613
Ti 334.941	-0.4436	ppb	0.0385	8.7	-23.9317	-0.44356
Tl 190.794	1.6559	ppb	3.0673	185.2	-10.8084	1.65593
V 292.401	0.0389	ppb	0.1727	443.4	17.4738	0.03894
Zn 206.200	2.0422	ppb	1.0676	52.3	6.6184	2.04218

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680-89241-d-7-a (Samp) 4/17/2013, 10:51:50 PM Rack 2, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0287u	-0.7212u	-0.9538u
Al 308.215	18.2855	21.9612	24.2153
As 188.980	-2.3350u	2.8642	-6.2715u
B 249.678	11.0870	11.8476	10.9637
Ba 389.178	553.104	553.862	553.704
Be 313.042	-0.4328u	-0.4381u	-0.4549u
Ca 370.602	139730	139795	139416
Cd 226.502	-0.4911u	-0.2154	-0.7701u
Co 228.615	-1.2226u	-0.8645u	-1.6074u
Cr 267.716	2.4207	2.3766	1.9004
Cu 324.754	-1.3382u	-1.3279u	-1.0080u
Fe 271.441	5932.13	5944.05	5925.06
K 766.491	12824.8	12838.0	12815.2
Mg 279.078	41643.2	41588.4	41581.5
Mn 257.610	16225.9	16154.4	16158.2
Mo 202.032	-1.4679u	-1.1961u	-0.6401u
Na 330.237	88081.3	88424.0	88323.6
Ni 231.604	4.9272	6.1778	4.3521
Pb 220.353	0.0657	0.3001	0.0945
Sb 206.834	-1.5070u	-1.5811u	-0.1443u
Se 196.026	-5.8873	-8.0121	-1.7056
Sn 189.925	-5.2540u	-4.2436u	0.0336
Sr 216.596	936.194	932.883	933.043
Ti 334.941	0.2916	0.4181	0.4139
Tl 190.794	21.5383u	19.7094u	23.3973u
V 292.401	1.3702	1.4360	0.8919
Zn 206.200	6.3338	5.2441	7.4266

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9012	ppb	0.1603	17.8	-11.3166
Al 308.215	21.4874	ppb	2.9931	13.9	23.0644
As 188.980	-1.9141	ppb	4.5824	239.4	-9.6461
B 249.678	11.2994	ppb	0.4787	4.2	316.707
Ba 389.178	553.557	ppb	0.3997	0.1	12004.2
Be 313.042	-0.4419	ppb	0.0115	2.6	-127.217
Ca 370.602	139647	ppb	203.0	0.1	382538
Cd 226.502	-0.4922	ppb	0.2774	56.4	39.7685
Co 228.615	-1.2315	ppb	0.3715	30.2	-14.2169
Cr 267.716	2.2326	ppb	0.2885	12.9	124.968
Cu 324.754	-1.2247	ppb	0.1878	15.3	148.953
Fe 271.441	5933.75	ppb	9.5959	0.2	9809.55
K 766.491	12826.0	ppb	11.4386	0.1	407652
Mg 279.078	41604.4	ppb	33.8332	0.1	82787.5
Mn 257.610	16179.5	ppb	40.2172	0.2	3747676
Mo 202.032	-1.1014	ppb	0.4219	38.3	13.3741
Na 330.237	88276.3	ppb	176.221	0.2	3903.66
Ni 231.604	5.1524	ppb	0.9334	18.1	8.7958
Pb 220.353	0.1535	ppb	0.1278	83.3	31.7695
Sb 206.834	-1.0775	ppb	0.8090	75.1	-3.8944
Se 196.026	-5.2017	ppb	3.2086	61.7	11.7220
Sn 189.925	-3.1547	ppb	2.8070	89.0	-7.3279
Sr 216.596	934.040	ppb	1.8671	0.2	9021.25
Ti 334.941	0.3745	ppb	0.0719	19.2	349.740
Tl 190.794	21.5483	ppb	1.8440	8.6	-14.7888
V 292.401	1.2327	ppb	0.2970	24.1	48.9887
Zn 206.200	6.3348	ppb	1.0912	17.2	51.1394

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680-89241-d-8-a (Samp) 4/17/2013, 10:57:26 PM Rack 2, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9280u	-0.9276u	-1.0994u
Al 308.215	42.0534	41.9494	43.8914
As 188.980	-6.8355u	-3.4115u	-5.9716u
B 249.678	8.1192	8.6847	8.3720
Ba 389.178	386.024	386.794	387.131
Be 313.042	-0.1941u	-0.2015u	-0.1986u
Ca 370.602	111718	112024	111839
Cd 226.502	0.1813	0.1223	0.1217
Co 228.615	0.7215	0.1743	0.4228
Cr 267.716	3.3171	3.3404	2.8297
Cu 324.754	-0.8829u	-0.9229u	-0.8677u
Fe 271.441	57840.8	58060.4	58082.1
K 766.491	20875.4	20852.0	20965.0
Mg 279.078	30830.2	30844.8	30912.1
Mn 257.610	19211.1	19209.8	19268.3
Mo 202.032	0.4730	0.4962	0.0459u
Na 330.237	72332.3	72223.1	72419.1
Ni 231.604	6.5366	4.1741	4.6693
Pb 220.353	3.8698	2.8483	2.0918
Sb 206.834	0.1416	-8.6924u	-1.8463u
Se 196.026	-3.6410	6.7567	1.4606
Sn 189.925	-3.9410u	-5.4465u	-5.6490u
Sr 216.596	1180.66	1186.42	1181.08
Ti 334.941	9.4652	9.6035	9.6273
Tl 190.794	34.2591	26.5515u	29.8061u
V 292.401	10.6651	10.7919	10.9367
Zn 206.200	1.1826	1.1594	2.2265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9850	ppb	0.0991	10.1	-14.6041
Al 308.215	42.6314	ppb	1.0924	2.6	69.5982
As 188.980	-5.4062	ppb	1.7807	32.9	-12.5322
B 249.678	8.3920	ppb	0.2833	3.4	223.001
Ba 389.178	386.650	ppb	0.5674	0.1	8466.09
Be 313.042	-0.1981	ppb	0.0037	1.9	287.254
Ca 370.602	111860	ppb	153.7	0.1	302848
Cd 226.502	0.1417	ppb	0.0343	24.2	176.300
Co 228.615	0.4395	ppb	0.2740	62.3	1.0677
Cr 267.716	3.1624	ppb	0.2883	9.1	169.795
Cu 324.754	-0.8912	ppb	0.0285	3.2	182.262
Fe 271.441	57994.4	ppb	133.473	0.2	94873.1
K 766.491	20897.5	ppb	59.6309	0.3	663892
Mg 279.078	30862.3	ppb	43.6810	0.1	61320.7
Mn 257.610	19229.7	ppb	33.4346	0.2	4454153
Mo 202.032	0.3384	ppb	0.2535	74.9	21.0203
Na 330.237	72324.9	ppb	98.2126	0.1	3194.75
Ni 231.604	5.1267	ppb	1.2459	24.3	9.7865
Pb 220.353	2.9366	ppb	0.8923	30.4	37.1821
Sb 206.834	-3.4657	ppb	4.6343	133.7	-5.0876
Se 196.026	1.5254	ppb	5.1991	340.8	15.4942
Sn 189.925	-5.0122	ppb	0.9332	18.6	-8.6948
Sr 216.596	1182.72	ppb	3.2138	0.3	11422.5
Ti 334.941	9.5653	ppb	0.0875	0.9	2656.35
Tl 190.794	30.2056	ppb	3.8693	12.8	-13.3353
V 292.401	10.7979	ppb	0.1359	1.3	301.883
Zn 206.200	1.5229	ppb	0.6995	40.0	5.9493

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680-89241-d-9-a (Samp) 4/17/2013, 11:03:01 PM Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7309	-0.6883	-0.5758
Al 308.215	22.8256	23.1618	26.0739
As 188.980	2.9119	5.2425	-1.4976u
B 249.678	9.4127	9.7344	9.4066
Ba 389.178	671.948	670.523	672.555
Be 313.042	-0.4977u	-0.4876u	-0.4978u
Ca 370.602	105116	104909	105022
Cd 226.502	-0.2589	-0.3672	-0.2742
Co 228.615	-1.0028u	-0.2469u	0.0557u
Cr 267.716	3.5002	3.6931	3.9998
Cu 324.754	-1.5428u	-1.6494u	-1.2618u
Fe 271.441	24406.9	24405.3	24403.7
K 766.491	12189.2	12209.6	12218.5
Mg 279.078	32447.1	32385.5	32438.1
Mn 257.610	22720.5	22660.1	22695.4
Mo 202.032	-0.7269u	-1.1781u	0.2435
Na 330.237	135275x	135040x	135130x
Ni 231.604	8.0216	6.5352	5.7747
Pb 220.353	4.3403	-0.8510	1.3618
Sb 206.834	0.0619	-6.4039u	2.4314
Se 196.026	2.1540	0.0267	-11.9092u
Sn 189.925	-5.5874u	-3.9642u	-9.4544u
Sr 216.596	839.851	835.473	840.464
Ti 334.941	-0.2027	-0.1926	-0.1934
Tl 190.794	35.0427	38.3248	38.2924
V 292.401	1.4266	0.8947	1.4498
Zn 206.200	3.8693	3.0441	3.2046

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6650b	ppb	0.0801	12.0	40.8899
Al 308.215	24.0204b	ppb	1.7863	7.4	28.6613
As 188.980	2.2189b	ppb	3.4231	154.3	-7.6082
B 249.678	9.5179b	ppb	0.1875	2.0	274.771
Ba 389.178	671.676b	ppb	1.0434	0.2	14540.0
Be 313.042	-0.4944b	ppb	0.0059	1.2	-236.028
Ca 370.602	105016b	ppb	103.7	0.1	286532
Cd 226.502	-0.3001b	ppb	0.0586	19.5	86.7989
Co 228.615	-0.3980b	ppb	0.5452	137.0	-6.4880
Cr 267.716	3.7310b	ppb	0.2519	6.8	192.569
Cu 324.754	-1.4847b	ppb	0.2002	13.5	141.143
Fe 271.441	24405.3b	ppb	1.5991	0.0	39990.7
K 766.491	12205.7b	ppb	15.0117	0.1	387960
Mg 279.078	32423.5b	ppb	33.2457	0.1	64376.9
Mn 257.610	22692.0b	ppb	30.3800	0.1	5255888
Mo 202.032	-0.5538b	ppb	0.7265	131.2	16.3535
Na 330.237	135148xb	ppb	118.781	0.1	5943.09
Ni 231.604	6.7772b	ppb	1.1428	16.9	13.3440
Pb 220.353	1.6170b	ppb	2.6051	161.1	35.7073
Sb 206.834	-1.3035b	ppb	4.5732	350.8	-3.7053
Se 196.026	-3.2428b	ppb	7.5803	233.8	14.1197
Sn 189.925	-6.3353b	ppb	2.8205	44.5	-9.6405
Sr 216.596	838.596b	ppb	2.7217	0.3	8109.42
Ti 334.941	-0.1962b	ppb	0.0056	2.8	165.046
Tl 190.794	37.2200b	ppb	1.8857	5.1	-9.8216
V 292.401	1.2570b	ppb	0.3140	25.0	49.0758
Zn 206.200	3.3727b	ppb	0.4375	13.0	8.3286

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680-89241-d-10-a (Samp) 4/17/2013, 11:08:37 PM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5161	-0.6318	-0.5407
Al 308.215	68.1699	73.2176	66.4046
As 188.980	6.1360	0.6809	1.0925
B 249.678	-13.8396u	-14.3237u	-14.3878u
Ba 389.178	360.646	359.956	360.952
Be 313.042	-0.1597u	-0.1604u	-0.1708u
Ca 370.602	71392	71353	71346
Cd 226.502	0.4938	0.2965	0.2657
Co 228.615	21.1123	21.5639	20.6071
Cr 267.716	3.9964	4.1469	4.2921
Cu 324.754	-0.7076u	-0.5952u	-0.5671u
Fe 271.441	74665.8	74736.1	74677.6
K 766.491	9163.69	9184.26	9194.44
Mg 279.078	14977.9	14961.4	14946.8
Mn 257.610	26026.5	26097.8	26042.0
Mo 202.032	1.1147	1.1444	0.8247
Na 330.237	114466x	114533x	113656x
Ni 231.604	-0.0032	-0.2449	-0.2744
Pb 220.353	2.4765	1.9416	6.2299
Sb 206.834	-3.9051u	-0.3150	-2.6746u
Se 196.026	-0.5207	4.5069	1.5914
Sn 189.925	-7.8399u	-5.1978u	-5.6508u
Sr 216.596	951.494	949.687	949.994
Ti 334.941	2.2282	2.2699	2.2814
Tl 190.794	41.9888u	42.6621	37.2648u
V 292.401	-1.2755u	-1.1283u	-1.8055u
Zn 206.200	14.9053	15.0561	13.7120

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5629b	ppb	0.0609	10.8	59.1884
Al 308.215	69.2640b	ppb	3.5358	5.1	128.334
As 188.980	2.6365b	ppb	3.0377	115.2	-8.1471
B 249.678	-14.1837b	ppb	0.2997	2.1	-57.5224
Ba 389.178	360.518b	ppb	0.5098	0.1	7888.95
Be 313.042	-0.1636b	ppb	0.0062	3.8	329.170
Ca 370.602	71364b	ppb	24.72	0.0	190902
Cd 226.502	0.3520b	ppb	0.1238	35.2	220.080
Co 228.615	21.0944b	ppb	0.4786	2.3	206.080
Cr 267.716	4.1451b	ppb	0.1479	3.6	222.112
Cu 324.754	-0.6233b	ppb	0.0744	11.9	201.488
Fe 271.441	74693.2b	ppb	37.6678	0.1	122161
K 766.491	9180.80b	ppb	15.6666	0.2	291929
Mg 279.078	14962.0b	ppb	15.5588	0.1	29500.1
Mn 257.610	26055.4b	ppb	37.5081	0.1	6034859
Mo 202.032	1.0279b	ppb	0.1767	17.2	25.1149
Na 330.237	114218xb	ppb	488.403	0.4	5017.45
Ni 231.604	-0.1742b	ppb	0.1488	85.4	-3.4883
Pb 220.353	3.5494b	ppb	2.3368	65.8	39.7357
Sb 206.834	-2.2982b	ppb	1.8244	79.4	-3.5738
Se 196.026	1.8592b	ppb	2.5245	135.8	17.2138
Sn 189.925	-6.2295b	ppb	1.4129	22.7	-9.5834
Sr 216.596	950.391b	ppb	0.9667	0.1	9196.84
Ti 334.941	2.2598b	ppb	0.0280	1.2	726.457
Tl 190.794	40.6386b	ppb	2.9411	7.2	-13.7531
V 292.401	-1.4031b	ppb	0.3561	25.4	-21.4888
Zn 206.200	14.5578b	ppb	0.7364	5.1	52.7142

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89241-d-11-a (Samp) 4/17/2013, 11:14:13 PM Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1308	-0.8522	-0.9494
Al 308.215	39.6668	43.1426	44.1003
As 188.980	-3.8270u	-1.1622u	3.4850
B 249.678	-1.1876u	-1.5518u	-1.4014u
Ba 389.178	217.041	214.458	216.065
Be 313.042	-0.2226u	-0.2390u	-0.2222u
Ca 370.602	106174	105517	106069
Cd 226.502	-0.3956	-0.2704	-0.1380
Co 228.615	9.4593	8.9068	9.9588
Cr 267.716	8.5899	8.7682	8.7213
Cu 324.754	-0.4003u	-0.8691u	-0.7315u
Fe 271.441	26381.2	26209.9	26387.6
K 766.491	22247.1	22217.3	22327.2
Mg 279.078	21021.1	20880.4	21024.8
Mn 257.610	39768.3x	39513.5x	39785.7x
Mo 202.032	7.6739	7.2252	7.5288
Na 330.237	125397x	124293x	124935x
Ni 231.604	4.8364	2.1200	4.1035
Pb 220.353	0.1133	-0.3531	5.7894
Sb 206.834	2.4317	-5.3751u	-8.6382u
Se 196.026	12.2785	0.6910	15.5551
Sn 189.925	-0.9730u	-1.1720u	-3.7458u
Sr 216.596	677.317	669.844	674.725
Ti 334.941	8.5610	8.5607	8.5834
Tl 190.794	70.5055	63.3872	75.3176
V 292.401	18.5892	17.9325	17.9453
Zn 206.200	2.3719	3.8096	2.4039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9775b	ppb	0.1414	14.5	103.198
Al 308.215	42.3032b	ppb	2.3329	5.5	69.1889
As 188.980	-0.5014b	ppb	3.7005	738.1	-9.2777
B 249.678	-1.3803b	ppb	0.1830	13.3	146.489
Ba 389.178	215.855b	ppb	1.3044	0.6	4736.34
Be 313.042	-0.2279b	ppb	0.0096	4.2	222.631
Ca 370.602	105920b	ppb	352.9	0.3	289286
Cd 226.502	-0.2680b	ppb	0.1288	48.1	92.0691
Co 228.615	9.4416b	ppb	0.5262	5.6	91.4197
Cr 267.716	8.6931b	ppb	0.0924	1.1	392.892
Cu 324.754	-0.6670b	ppb	0.2410	36.1	184.294
Fe 271.441	26326.2b	ppb	100.808	0.4	43131.0
K 766.491	22263.9b	ppb	56.8111	0.3	707271
Mg 279.078	20975.4b	ppb	82.3461	0.4	41281.4
Mn 257.610	39689.2xb	ppb	152.376	0.4	9192183
Mo 202.032	7.4760b	ppb	0.2289	3.1	73.2214
Na 330.237	124875xb	ppb	554.111	0.4	5494.52
Ni 231.604	3.6866b	ppb	1.4054	38.1	5.4453
Pb 220.353	1.8499b	ppb	3.4197	184.9	39.8524
Sb 206.834	-3.8605b	ppb	5.6882	147.3	-6.2718
Se 196.026	9.5082b	ppb	7.8097	82.1	23.9540
Sn 189.925	-1.9636b	ppb	1.5466	78.8	-6.4642
Sr 216.596	673.962b	ppb	3.7945	0.6	6531.13
Ti 334.941	8.5684b	ppb	0.0130	0.2	2354.02
Tl 190.794	69.7368b	ppb	6.0022	8.6	-2.6138
V 292.401	18.1557b	ppb	0.3755	2.1	494.585
Zn 206.200	2.8618b	ppb	0.8210	28.7	57.6692

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-273251/1-a (Samp) 4/17/2013, 11:19:48 PM Rack 2, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1415u	-0.3762u	-0.7785u
Al 308.215	-3.9822u	-1.7037u	-4.8064u
As 188.980	2.0466	5.3757	-1.6223u
B 249.678	-7.7925u	-8.5538u	-8.5834u
Ba 389.178	-1.8418u	-1.1420u	-1.2233u
Be 313.042	-0.5335u	-0.5361u	-0.5358u
Ca 370.602	145.8	166.5	181.1
Cd 226.502	-0.3539u	-0.5056u	-0.4037u
Co 228.615	-0.5489u	-0.7323u	0.0387
Cr 267.716	-1.0404u	-0.7675u	-0.8754u
Cu 324.754	-0.8673u	-1.1308u	-1.2124u
Fe 271.441	24.3134	33.3902	41.4751
K 766.491	27.4516	30.1752	30.0719
Mg 279.078	35.7480	41.8268	42.7213
Mn 257.610	60.3667	69.6419	76.0237
Mo 202.032	-1.2530u	-0.7711u	-0.9200u
Na 330.237	187.259	409.050	277.004
Ni 231.604	-1.9627u	-0.9891u	-0.5891u
Pb 220.353	1.0885	1.6145	0.4541
Sb 206.834	-3.3667u	-2.0860u	3.4882
Se 196.026	-1.7964u	-2.6427u	-4.8584u
Sn 189.925	-4.0957u	-8.9805u	-5.2330u
Sr 216.596	-1.0107u	-1.7104u	-1.0739u
Ti 334.941	-0.6469u	-0.5623u	-0.5516u
Tl 190.794	-3.9096u	-2.2121u	0.5553
V 292.401	-0.7250u	-0.7303u	-1.1992u
Zn 206.200	-0.0746u	-1.2507u	0.0970

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7654	ppb	0.3828	50.0	-32.0746
Al 308.215	-3.4974	ppb	1.6071	46.0	-31.9273
As 188.980	1.9333	ppb	3.5004	181.1	-8.4214
B 249.678	-8.3099	ppb	0.4483	5.4	96.6344
Ba 389.178	-1.4024	ppb	0.3827	27.3	-8.7085
Be 313.042	-0.5351	ppb	0.0014	0.3	-319.224
Ca 370.602	164.5	ppb	17.72	10.8	467.1
Cd 226.502	-0.4211	ppb	0.0773	18.4	29.0939
Co 228.615	-0.4142	ppb	0.4028	97.2	-5.9449
Cr 267.716	-0.8944	ppb	0.1375	15.4	-18.0347
Cu 324.754	-1.0702	ppb	0.1804	16.9	155.189
Fe 271.441	33.0595	ppb	8.5856	26.0	168.319
K 766.491	29.2329	ppb	1.5435	5.3	1397.75
Mg 279.078	40.0987	ppb	3.7943	9.5	113.575
Mn 257.610	68.6775	ppb	7.8730	11.5	16332.9
Mo 202.032	-0.9814	ppb	0.2467	25.1	14.5193
Na 330.237	291.105	ppb	111.566	38.3	68.1448
Ni 231.604	-1.1803	ppb	0.7065	59.9	-7.5889
Pb 220.353	1.0524	ppb	0.5810	55.2	29.7312
Sb 206.834	-0.6549	ppb	3.6446	556.6	-3.6131
Se 196.026	-3.0992	ppb	1.5812	51.0	8.9705
Sn 189.925	-6.1031	ppb	2.5560	41.9	-9.5491
Sr 216.596	-1.2650	ppb	0.3870	30.6	36.6603
Ti 334.941	-0.5869	ppb	0.0522	8.9	-60.3604
Tl 190.794	-1.8555	ppb	2.2537	121.5	-14.2805
V 292.401	-0.8848	ppb	0.2723	30.8	-6.8565
Zn 206.200	-0.4095	ppb	0.7336	179.2	3.4668

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

llcs 680-273251/2-a (Samp) 4/17/2013, 11:25:24 PM Rack 2, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.5251	9.4391	9.2284
Al 308.215	212.605	208.463	213.541
As 188.980	22.3346	26.9308	18.7056
B 249.678	92.5815	93.2353	93.6410
Ba 389.178	7.9626	8.9490	9.6239
Be 313.042	3.7667	3.8076	3.7694
Ca 370.602	510.9	517.2	509.5
Cd 226.502	5.0686	4.9158	4.9784
Co 228.615	10.0836	9.7641	10.1839
Cr 267.716	9.9111	9.9863	9.6123
Cu 324.754	20.3460	21.0059	20.7562
Fe 271.441	36.6594	42.7036	43.8577
K 766.491	1010.81	1019.30	1015.65
Mg 279.078	529.318	530.597	523.460
Mn 257.610	9.8027	9.8364	9.8412
Mo 202.032	8.9582	9.0866	9.1444
Na 330.237	961.719	1238.98	984.264
Ni 231.604	41.3924	45.1201	42.6076
Pb 220.353	11.4226	12.4562	13.0505
Sb 206.834	20.0784	21.4464	24.8842
Se 196.026	18.1731	17.3402	20.2463
Sn 189.925	47.5949	47.2484	48.7654
Sr 216.596	7.8630	7.6285	7.2379
Ti 334.941	9.6210	9.5646	9.5800
Tl 190.794	17.9126	18.4024	23.6396
V 292.401	9.4356	9.1977	9.5476
Zn 206.200	22.1640	22.2322	21.9562

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3975	ppb	0.1526	1.6	732.900
Al 308.215	211.536	ppb	2.7025	1.3	441.892
As 188.980	22.6570	ppb	4.1221	18.2	4.1939
B 249.678	93.1526	ppb	0.5346	0.6	1270.39
Ba 389.178	8.8451	ppb	0.8355	9.4	212.380
Be 313.042	3.7813	ppb	0.0229	0.6	7185.20
Ca 370.602	512.5	ppb	4.119	0.8	1420
Cd 226.502	4.9876	ppb	0.0769	1.5	212.500
Co 228.615	10.0105	ppb	0.2192	2.2	97.8087
Cr 267.716	9.8365	ppb	0.1978	2.0	312.682
Cu 324.754	20.7027	ppb	0.3332	1.6	1287.25
Fe 271.441	41.0736	ppb	3.8661	9.4	183.071
K 766.491	1015.26	ppb	4.2578	0.4	32700.6
Mg 279.078	527.792	ppb	3.8051	0.7	1087.32
Mn 257.610	9.8267	ppb	0.0210	0.2	2706.59
Mo 202.032	9.0631	ppb	0.0953	1.1	85.7932
Na 330.237	1061.65	ppb	153.983	14.5	101.537
Ni 231.604	43.0400	ppb	1.9011	4.4	105.988
Pb 220.353	12.3098	ppb	0.8238	6.7	48.8785
Sb 206.834	22.1363	ppb	2.4760	11.2	18.8328
Se 196.026	18.5865	ppb	1.4965	8.1	18.9932
Sn 189.925	47.8695	ppb	0.7949	1.7	29.6982
Sr 216.596	7.5765	ppb	0.3158	4.2	120.483
Ti 334.941	9.5885	ppb	0.0291	0.3	2537.07
Tl 190.794	19.9849	ppb	3.1745	15.9	6.7960
V 292.401	9.3937	ppb	0.1787	1.9	262.624
Zn 206.200	22.1175	ppb	0.1438	0.6	324.110

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-273251/3-a (Samp) 4/17/2013, 11:30:59 PM Rack 2, Tube 58
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	19.3486	19.5624	19.2037
Al 308.215	2122.24	2102.84	2122.57
As 188.980	37.1865	38.9190	44.0811
B 249.678	75.4808	74.7695	76.0942
Ba 389.178	39.7526	40.2046	40.5239
Be 313.042	21.3384	21.1754	21.3915
Ca 370.602	2033	2022	2028
Cd 226.502	21.5688	21.6217	21.5972
Co 228.615	21.1588	22.2249	22.1930
Cr 267.716	42.8792	42.2365	42.7903
Cu 324.754	42.4910	42.5320	42.2995
Fe 271.441	2075.18	2055.02	2075.18
K 766.491	2003.50	1987.31	2013.71
Mg 279.078	2091.19	2082.56	2095.95
Mn 257.610	225.141	223.639	225.508
Mo 202.032	40.2115	39.2967	41.0103
Na 330.237	1920.84	1975.48	2134.73
Ni 231.604	41.4357	44.0366	42.6229
Pb 220.353	20.4998	23.8154	21.7401
Sb 206.834	19.8574	19.1390	22.9147
Se 196.026	35.7227	37.4701	41.4750
Sn 189.925	80.1331	84.5486	84.7994
Sr 216.596	40.1748	39.3850	40.0777
Ti 334.941	40.3852	40.0635	40.3758
Tl 190.794	13.4780	14.2789	13.8279
V 292.401	41.1178	40.9200	41.1831
Zn 206.200	44.3899	46.0074	45.7402

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.3716	ppb	0.1804	0.9	1483.98
Al 308.215	2115.88	ppb	11.2968	0.5	4635.48
As 188.980	40.0622	ppb	3.5867	9.0	14.7732
B 249.678	75.4482	ppb	0.6630	0.9	1063.24
Ba 389.178	40.1604	ppb	0.3875	1.0	890.795
Be 313.042	21.3018	ppb	0.1126	0.5	37648.3
Ca 370.602	2028	ppb	5.509	0.3	5440
Cd 226.502	21.5959	ppb	0.0265	0.1	780.116
Co 228.615	21.8589	ppb	0.6065	2.8	215.613
Cr 267.716	42.6353	ppb	0.3482	0.8	1324.90
Cu 324.754	42.4408	ppb	0.1241	0.3	2418.49
Fe 271.441	2068.46	ppb	11.6423	0.6	3497.66
K 766.491	2001.50	ppb	13.3092	0.7	64010.6
Mg 279.078	2089.90	ppb	6.7868	0.3	4200.19
Mn 257.610	224.763	ppb	0.9905	0.4	52497.9
Mo 202.032	40.1728	ppb	0.8574	2.1	306.446
Na 330.237	2010.35	ppb	111.125	5.5	142.046
Ni 231.604	42.6984	ppb	1.3021	3.0	105.152
Pb 220.353	22.0184	ppb	1.6752	7.6	65.3965
Sb 206.834	20.6370	ppb	2.0049	9.7	17.4464
Se 196.026	38.2226	ppb	2.9490	7.7	28.1289
Sn 189.925	83.1603	ppb	2.6247	3.2	55.3613
Sr 216.596	39.8792	ppb	0.4307	1.1	430.167
Ti 334.941	40.2748	ppb	0.1831	0.5	10370.9
Tl 190.794	13.8616	ppb	0.4015	2.9	0.5165
V 292.401	41.0737	ppb	0.1370	0.3	1093.27
Zn 206.200	45.3792	ppb	0.8671	1.9	62.2448

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Ics 680-273251/4-a (Samp) 4/17/2013, 11:36:35 PM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	86.9836	87.3083	87.6809
Al 308.215	852.661	855.424	859.661
As 188.980	93.5911	88.3197	94.2506
B 249.678	155.096	155.678	156.717
Ba 389.178	81.4625	80.6959	80.0182
Be 313.042	84.5436	85.0983	85.1791
Ca 370.602	8152	8205	8205
Cd 226.502	85.3835	85.9719	85.6607
Co 228.615	85.3589	86.2683	86.9411
Cr 267.716	85.6811	86.0456	85.6814
Cu 324.754	83.2185	85.3718	84.2916
Fe 271.441	8495.52	8565.99	8553.29
K 766.491	8215.33	8283.79	8278.95
Mg 279.078	8279.69	8339.25	8328.35
Mn 257.610	883.528	888.788	888.383
Mo 202.032	79.6997	81.6014	81.0643
Na 330.237	7346.04	7144.72	7459.44
Ni 231.604	86.1620	84.1957	86.1428
Pb 220.353	81.3946	86.2623	85.0545
Sb 206.834	77.6089	79.4441	79.2219
Se 196.026	80.8348	85.5564	87.7265
Sn 189.925	78.7436	77.7467	85.2753
Sr 216.596	85.9523	85.7349	86.5495
Ti 334.941	80.6781	81.3470	81.4431
Tl 190.794	18.7847	13.9514	17.8923
V 292.401	81.7103	82.3058	82.6837
Zn 206.200	80.2920	82.0914	80.6761

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	87.3243	ppb	0.3489	0.4	6604.04
Al 308.215	855.916	ppb	3.5257	0.4	1863.54
As 188.980	92.0538	ppb	3.2506	3.5	46.3981
B 249.678	155.830	ppb	0.8209	0.5	1985.67
Ba 389.178	80.7255	ppb	0.7226	0.9	1784.80
Be 313.042	84.9404	ppb	0.3460	0.4	148309
Ca 370.602	8187	ppb	30.89	0.4	21881
Cd 226.502	85.6720	ppb	0.2944	0.3	2967.02
Co 228.615	86.1894	ppb	0.7941	0.9	855.958
Cr 267.716	85.8027	ppb	0.2103	0.2	2658.50
Cu 324.754	84.2940	ppb	1.0766	1.3	4596.97
Fe 271.441	8538.27	ppb	37.5603	0.4	14078.8
K 766.491	8259.35	ppb	38.2031	0.5	262676
Mg 279.078	8315.76	ppb	31.7121	0.4	16611.7
Mn 257.610	886.900	ppb	2.9272	0.3	205895
Mo 202.032	80.7885	ppb	0.9804	1.2	594.333
Na 330.237	7316.73	ppb	159.393	2.2	371.319
Ni 231.604	85.5001	ppb	1.1297	1.3	215.216
Pb 220.353	84.2372	ppb	2.5347	3.0	171.484
Sb 206.834	78.7583	ppb	1.0016	1.3	75.1769
Se 196.026	84.7059	ppb	3.5237	4.2	49.7894
Sn 189.925	80.5886	ppb	4.0893	5.1	53.4950
Sr 216.596	86.0789	ppb	0.4218	0.5	874.205
Ti 334.941	81.1561	ppb	0.4167	0.5	20824.2
Tl 190.794	16.8762	ppb	2.5719	15.2	2.1956
V 292.401	82.2333	ppb	0.4907	0.6	2172.43
Zn 206.200	81.0198	ppb	0.9476	1.2	5107.972

640-43093-k-1-a (Samp) **4/17/2013, 11:42:12 PM** **Rack 2, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7198u	-0.9896u	-0.8963u
Al 308.215	-2.9953u	-0.0400u	5.1490
As 188.980	2.3817	0.4493	3.2079
B 249.678	3.0880	3.7015	2.6909
Ba 389.178	0.9040	1.7400	2.2429
Be 313.042	-0.5348u	-0.5267u	-0.5348u
Ca 370.602	42115	42129	42023
Cd 226.502	-0.4268u	-0.4617u	-0.5359u
Co 228.615	-0.5977u	-0.7339u	-0.7140u
Cr 267.716	1.4805	1.2587	1.3175
Cu 324.754	5.3342	4.0428	4.9608
Fe 271.441	-12.7294u	-6.7628u	-3.8089u
K 766.491	424.200	420.018	418.450
Mg 279.078	6920.59	6941.84	6904.93
Mn 257.610	-0.9808u	-0.7459u	-0.5871u
Mo 202.032	-0.7650u	-0.8091u	-0.5187u
Na 330.237	2854.25	2815.58	3010.60
Ni 231.604	-0.3887u	-0.8384u	-1.8582u
Pb 220.353	1.1147	3.3658	4.8007
Sb 206.834	-3.4317u	-1.7762u	-0.8219u
Se 196.026	-2.6727u	2.5965	-7.4297u
Sn 189.925	-4.3684u	-8.0471u	-1.5050u
Sr 216.596	119.995	120.364	120.250
Ti 334.941	-0.5258u	-0.5739u	-0.5835u
Tl 190.794	-1.0576u	-1.7979u	-0.2129u
V 292.401	2.4371	2.3483	2.4195
Zn 206.200	18.1227	18.5568	17.0513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8686	ppb	0.1370	15.8	-45.8453
Al 308.215	0.7046	ppb	4.1229	585.2	-22.6758
As 188.980	2.0129	ppb	1.4158	70.3	-8.0182
B 249.678	3.1601	ppb	0.5092	16.1	229.373
Ba 389.178	1.6289	ppb	0.6763	41.5	72.8900
Be 313.042	-0.5321	ppb	0.0047	0.9	-300.956
Ca 370.602	42089	ppb	57.45	0.1	115316
Cd 226.502	-0.4748	ppb	0.0557	11.7	27.2479
Co 228.615	-0.6819	ppb	0.0736	10.8	-8.6136
Cr 267.716	1.3522	ppb	0.1149	8.5	51.0644
Cu 324.754	4.7793	ppb	0.6646	13.9	459.242
Fe 271.441	-7.7671	ppb	4.5443	58.5	101.613
K 766.491	420.890	ppb	2.9722	0.7	13831.5
Mg 279.078	6922.45	ppb	18.5270	0.3	13844.3
Mn 257.610	-0.7713	ppb	0.1981	25.7	289.811
Mo 202.032	-0.6976	ppb	0.1565	22.4	16.5294
Na 330.237	2893.48	ppb	103.259	3.6	181.529
Ni 231.604	-1.0285	ppb	0.7530	73.2	-7.1997
Pb 220.353	3.0937	ppb	1.8580	60.1	33.1941
Sb 206.834	-2.0099	ppb	1.3205	65.7	-4.9328
Se 196.026	-2.5020	ppb	5.0153	200.5	9.2308
Sn 189.925	-4.6402	ppb	3.2795	70.7	-8.4689
Sr 216.596	120.203	ppb	0.1889	0.2	1205.39
Ti 334.941	-0.5611	ppb	0.0309	5.5	-25.7256
Tl 190.794	-1.0228	ppb	0.7931	77.5	-13.3793
V 292.401	2.4016	ppb	0.0470	2.0	79.9140
Zn 206.200	17.9103	ppb	0.7749	4.3	27.0217

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Cont Calib Verif (CCV) 4/17/2013, 11:47:48 PM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	489.243	489.282	495.883
Al 308.215	4836.03	4888.56	4921.33
As 188.980	482.650	491.212	492.325
B 249.678	504.488	509.682	512.757
Ba 389.178	5090.54	5107.59	5116.90
Be 313.042	516.212	518.336	519.728
Ca 370.602	4945	4986	4991
Cd 226.502	519.794	521.744	522.408
Co 228.615	524.834	525.587	527.059
Cr 267.716	5123.07	5177.78	5199.10
Cu 324.754	5180.65	5177.78	5196.10
Fe 271.441	4977.24	4997.32	5014.33
K 766.491	9826.72	9834.47	9857.98
Mg 279.078	5018.57	5025.18	5035.64
Mn 257.610	5251.26	5270.78	5293.88
Mo 202.032	491.471	493.442	495.403
Na 330.237	7093.54	7268.56	7276.47
Ni 231.604	2627.48	2639.03	2644.41
Pb 220.353	498.571	506.072	507.299
Sb 206.834	925.217	934.802	942.060
Se 196.026	4995.64	5021.28	5055.71
Sn 189.925	5000.01	5039.47	5060.83
Sr 216.596	2519.62	2532.09	2545.41
Ti 334.941	490.485	493.504	494.902
Tl 190.794	5061.93	5085.00	5080.00
V 292.401	4975.64	4988.79	5001.50
Zn 206.200	2622.06	2642.59	2650.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.469	ppb	3.8224	0.8	36988.5	98.29388
Al 308.215	4881.97	ppb	43.0282	0.9	10714.0	97.63947
As 188.980	488.729	ppb	5.2937	1.1	287.766	97.74577
B 249.678	508.976	ppb	4.1796	0.8	6075.01	20.35902Q
Ba 389.178	5105.01	ppb	13.3675	0.3	109565	102.10021
Be 313.042	518.092	ppb	1.7706	0.3	901335	103.61835
Ca 370.602	4974	ppb	25.13	0.5	13535	99.48290
Cd 226.502	521.315	ppb	1.3584	0.3	17730.2	104.26306
Co 228.615	525.827	ppb	1.1319	0.2	5243.10	105.16534
Cr 267.716	5166.65	ppb	39.2193	0.8	159336	103.33304
Cu 324.754	5184.84	ppb	9.8504	0.2	269711	103.69685
Fe 271.441	4996.30	ppb	18.5683	0.4	8400.90	99.92598
K 766.491	9839.72	ppb	16.2802	0.2	312847	98.39725
Mg 279.078	5026.46	ppb	8.6082	0.2	9981.47	100.52926
Mn 257.610	5271.97	ppb	21.3370	0.4	1221399	105.43948
Mo 202.032	493.439	ppb	1.9659	0.4	3514.36	98.68774
Na 330.237	7212.86	ppb	103.412	1.4	348.840	96.17144
Ni 231.604	2636.97	ppb	8.6513	0.3	6768.42	105.47894
Pb 220.353	503.981	ppb	4.7251	0.9	886.803	100.79616
Sb 206.834	934.026	ppb	8.4482	0.9	965.519	93.40260
Se 196.026	5024.21	ppb	30.1406	0.6	2336.86	100.48413
Sn 189.925	5033.43	ppb	30.8550	0.6	3655.03	100.66869
Sr 216.596	2532.37	ppb	12.8943	0.5	24281.0	101.29495
Ti 334.941	492.964	ppb	2.2577	0.5	125851	98.59274
Tl 190.794	5075.65	ppb	12.1345	0.2	4859.91	101.51290
V 292.401	4988.64	ppb	12.9310	0.3	131569	99.77281
Zn 206.200	2638.42	ppb	14.7154	0.6	3383.97	105.53666

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Cont Calib Blank (CCB) 4/17/2013, 11:53:24 PM Rack 3, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5197u	-0.4836u	-0.8630u
Al 308.215	-1.2309u	-3.6703u	-3.9504u
As 188.980	3.0686	0.0999	-2.8905u
B 249.678	1.5075	0.4287	0.4511
Ba 389.178	-0.0245u	-0.5163u	-1.2074u
Be 313.042	-0.4473u	-0.4247u	-0.4302u
Ca 370.602	3.100	2.352	0.2554
Cd 226.502	-0.2578u	-0.3451u	-0.3887u
Co 228.615	-0.5330u	-0.6986u	0.1587
Cr 267.716	-0.1314u	0.0960	-0.0724u
Cu 324.754	0.2303	-0.0355u	0.4860
Fe 271.441	-12.2468u	-14.0325u	-5.5797u
K 766.491	-3.3586u	-4.6084u	-3.7072u
Mg 279.078	2.1340	4.0355	1.4965
Mn 257.610	-0.0939u	0.0601	0.1039
Mo 202.032	-0.4827u	-0.2804u	-0.4113u
Na 330.237	43.1347	15.9278	-73.7190u
Ni 231.604	0.1832	-0.5126u	-0.3671u
Pb 220.353	-0.3169u	0.0849	1.3522
Sb 206.834	4.3129	6.2402	1.3015
Se 196.026	11.0977	6.5318	6.3600
Sn 189.925	-6.6800u	-1.2061u	-1.5631u
Sr 216.596	-1.9208u	-1.8304u	-2.2860u
Ti 334.941	-0.3302u	-0.4274u	-0.3777u
Tl 190.794	7.6353	0.4229	1.5704
V 292.401	0.3175	0.5884	0.4802
Zn 206.200	-1.1271u	-2.0515u	-2.1939u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6221	ppb	0.2094	33.7	-21.5618	-0.62212
Al 308.215	-2.9506	ppb	1.4958	50.7	-30.6922	-2.95055
As 188.980	0.0927	ppb	2.9796	3215.1	-9.5431	0.09267
B 249.678	0.7958	ppb	0.6164	77.5	202.023	0.79577
Ba 389.178	-0.5827	ppb	0.5943	102.0	8.7336	-0.58273
Be 313.042	-0.4341	ppb	0.0118	2.7	-143.660	-0.43409
Ca 370.602	1.902	ppb	1.475	77.5	23.20	1.90243
Cd 226.502	-0.3305	ppb	0.0666	20.2	32.0683	-0.33055
Co 228.615	-0.3577	ppb	0.4548	127.1	-5.3972	-0.35767
Cr 267.716	-0.0359	ppb	0.1180	328.6	8.2333	-0.03591
Cu 324.754	0.2269	ppb	0.2608	114.9	222.616	0.22692
Fe 271.441	-10.6197	ppb	4.4551	42.0	96.9495	-10.61966
K 766.491	-3.8914	ppb	0.6449	16.6	346.166	-3.89141
Mg 279.078	2.5553	ppb	1.3209	51.7	39.7137	2.55532
Mn 257.610	0.0234	ppb	0.1039	444.8	433.029	0.02335
Mo 202.032	-0.3914	ppb	0.1026	26.2	18.7060	-0.39145
Na 330.237	-4.8855	ppb	61.1440	1251.5	55.2551	-4.88553
Ni 231.604	-0.2322	ppb	0.3670	158.1	-5.1545	-0.23216
Pb 220.353	0.3734	ppb	0.8711	233.3	28.5577	0.37337
Sb 206.834	3.9515	ppb	2.4891	63.0	0.9182	3.95154
Se 196.026	7.9965	ppb	2.6871	33.6	14.0898	7.99652
Sn 189.925	-3.1497	ppb	3.0625	97.2	-7.4017	-3.14972
Sr 216.596	-2.0124	ppb	0.2412	12.0	29.4249	-2.01240
Ti 334.941	-0.3784	ppb	0.0486	12.8	-7.3187	-0.37844
Tl 190.794	3.2095	ppb	3.8755	120.8	-9.3140	3.20951
V 292.401	0.4620	ppb	0.1363	29.5	28.5745	0.46204
Zn 206.200	-1.7908	ppb	0.5792	32.3	51.56882	-1.79081

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640-43093-k-1-aSD^5 (Samp) 4/17/2013, 11:59:01 PM Rack 3, Tube 3**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0126u	-1.0378u	-0.9206u
Al 308.215	-2.8346u	0.4045	-1.3643u
As 188.980	-3.6872u	0.1777	-1.9558u
B 249.678	-3.2440u	-3.6221u	-4.0053u
Ba 389.178	-1.5251u	-1.3361u	-2.2027u
Be 313.042	-0.5454u	-0.5426u	-0.5327u
Ca 370.602	8401	8452	8437
Cd 226.502	-0.4495u	-0.3207u	-0.3635u
Co 228.615	-0.0772u	-0.3918u	-0.6733u
Cr 267.716	-0.9668u	-1.0831u	-0.9473u
Cu 324.754	-0.3447u	0.0907	0.1891
Fe 271.441	-16.6254u	-16.4382u	-10.7142u
K 766.491	72.9668	73.0898	73.9024
Mg 279.078	1375.20	1389.88	1383.03
Mn 257.610	-1.4373u	-1.3670u	-1.2432u
Mo 202.032	-1.1863u	-0.2977u	-0.7991u
Na 330.237	534.699	609.851	619.775
Ni 231.604	-1.2664u	-0.0687u	-0.9757u
Pb 220.353	-1.5772u	1.5478	-0.7707u
Sb 206.834	-2.6456u	-1.7241u	0.2324
Se 196.026	1.3530	-2.1876u	-2.8062u
Sn 189.925	-3.1564u	-3.6493u	-4.8677u
Sr 216.596	21.7377	21.9026	21.9651
Ti 334.941	-0.5435u	-0.5666u	-0.5695u
Tl 190.794	-3.6292u	1.6431	-1.5692u
V 292.401	-0.5080u	-0.4231u	-0.5981u
Zn 206.200	2.3554	0.8086	1.7573

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9903	ppb	0.0617	6.2	-50.4161
Al 308.215	-1.2648	ppb	1.6218	128.2	-26.9946
As 188.980	-1.8218	ppb	1.9359	106.3	-10.6371
B 249.678	-3.6238	ppb	0.3806	10.5	150.898
Ba 389.178	-1.6879	ppb	0.4557	27.0	-11.6505
Be 313.042	-0.5402	ppb	0.0066	1.2	-325.516
Ca 370.602	8430	ppb	26.17	0.3	23111
Cd 226.502	-0.3779	ppb	0.0656	17.4	30.4716
Co 228.615	-0.3808	ppb	0.2982	78.3	-5.6212
Cr 267.716	-0.9991	ppb	0.0734	7.3	-21.4637
Cu 324.754	-0.0216	ppb	0.2841	1312.3	209.692
Fe 271.441	-14.5926	ppb	3.3601	23.0	90.4517
K 766.491	73.3196	ppb	0.5084	0.7	2797.35
Mg 279.078	1382.70	ppb	7.3458	0.5	2793.02
Mn 257.610	-1.3492	ppb	0.0983	7.3	123.297
Mo 202.032	-0.7611	ppb	0.4455	58.5	16.0846
Na 330.237	588.108	ppb	46.5194	7.9	81.0954
Ni 231.604	-0.7703	ppb	0.6248	81.1	-6.5366
Pb 220.353	-0.2667	ppb	1.6223	608.4	27.4673
Sb 206.834	-1.3791	ppb	1.4697	106.6	-4.3290
Se 196.026	-1.2136	ppb	2.2442	184.9	9.8270
Sn 189.925	-3.8911	ppb	0.8809	22.6	-7.9375
Sr 216.596	21.8685	ppb	0.1174	0.5	259.244
Ti 334.941	-0.5599	ppb	0.0142	2.5	-47.9761
Tl 190.794	-1.1851	ppb	2.6570	224.2	-13.5353
V 292.401	-0.5098	ppb	0.0875	17.2	2.9845
Zn 206.200	1.6404	ppb	0.7890	47.5	61.023

640-43093-k-1-aPDS (Samp) 4/18/2013, 12:04:37 AM Rack 3, Tube 4
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	48.1475	48.2135	47.1739
Al 308.215	1992.90	2000.68	2022.05
As 188.980	2187.09	2181.45	2187.32
B 249.678	1006.13	1013.65	1014.57
Ba 389.178	2069.57	2067.09	2069.31
Be 313.042	51.3343	51.2009	51.3179
Ca 370.602	46143	46163	46309
Cd 226.502	52.0338	52.1384	52.3478
Co 228.615	529.375	534.461	524.861
Cr 267.716	208.517	207.956	210.232
Cu 324.754	267.569	266.838	267.115
Fe 271.441	988.664	991.119	985.152
K 766.491	5695.42	5681.47	5669.37
Mg 279.078	11950.8	11948.9	11969.8
Mn 257.610	537.935	538.335	537.644
Mo 202.032	504.741	507.004	507.409
Na 330.237	8158.99	8316.44	8346.04
Ni 231.604	517.841	518.882	523.203
Pb 220.353	503.537	502.859	504.648
Sb 206.834	474.802	486.714	483.685
Se 196.026	2042.35	2013.12	2030.87
Sn 189.925	1013.95	1017.69	1032.70
Sr 216.596	638.544	638.057	642.027
Ti 334.941	985.698	983.911	987.875
Tl 190.794	2076.74	2080.14	2077.60
V 292.401	503.794	503.054	501.620
Zn 206.200	537.247	538.513	538.099

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.8450	ppb	0.5821	1.2	3605.82
Al 308.215	2005.21	ppb	15.0932	0.8	4412.30
As 188.980	2185.29	ppb	3.3265	0.2	1320.90
B 249.678	1011.45	ppb	4.6296	0.5	11892.5
Ba 389.178	2068.66	ppb	1.3592	0.1	44431.8
Be 313.042	51.2844	ppb	0.0727	0.1	89717.9
Ca 370.602	46205	ppb	90.92	0.2	126692
Cd 226.502	52.1733	ppb	0.1599	0.3	1814.66
Co 228.615	529.565	ppb	4.8028	0.9	5279.56
Cr 267.716	208.902	ppb	1.1860	0.6	6451.64
Cu 324.754	267.174	ppb	0.3692	0.1	14109.6
Fe 271.441	988.312	ppb	2.9991	0.3	1812.32
K 766.491	5682.09	ppb	13.0379	0.2	180857
Mg 279.078	11956.5	ppb	11.5618	0.1	23878.3
Mn 257.610	537.971	ppb	0.3466	0.1	125089
Mo 202.032	506.384	ppb	1.4378	0.3	3614.72
Na 330.237	8273.82	ppb	100.539	1.2	406.100
Ni 231.604	519.975	ppb	2.8430	0.5	1330.98
Pb 220.353	503.681	ppb	0.9035	0.2	884.971
Sb 206.834	481.734	ppb	6.1913	1.3	467.118
Se 196.026	2028.78	ppb	14.7272	0.7	949.455
Sn 189.925	1021.45	ppb	9.9235	1.0	737.670
Sr 216.596	639.543	ppb	2.1652	0.3	6162.49
Ti 334.941	985.828	ppb	1.9853	0.2	251594
Tl 190.794	2078.16	ppb	1.7690	0.1	1984.14
V 292.401	502.823	ppb	1.1051	0.2	13223.2
Zn 206.200	537.953	ppb	0.6453	0.1	695.302

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640-43093-k-1-b ms (Samp) 4/18/2013, 12:10:13 AM Rack 3, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	19.6783	19.4149	18.9429
Al 308.215	2166.59	2165.84	2174.61
As 188.980	47.4573	46.8167	42.0464
B 249.678	102.799	102.823	100.810
Ba 389.178	47.8784	46.9812	46.7003
Be 313.042	21.9032	21.8485	21.8702
Ca 370.602	44902	44829	44992
Cd 226.502	21.9166	22.2115	22.1176
Co 228.615	21.9667	22.4905	21.8985
Cr 267.716	45.5019	45.1959	45.5622
Cu 324.754	50.2755	49.9710	49.8235
Fe 271.441	2112.05	2109.58	2111.68
K 766.491	2580.42	2570.74	2563.59
Mg 279.078	9240.57	9225.16	9232.46
Mn 257.610	229.320	229.096	229.294
Mo 202.032	41.5941	42.3159	42.2833
Na 330.237	5298.39	5347.76	5346.71
Ni 231.604	43.0368	42.8896	44.2457
Pb 220.353	22.0779	21.7172	24.0164
Sb 206.834	21.1694	20.7582	20.9437
Se 196.026	45.0577	38.6311	49.6009
Sn 189.925	79.7578	80.1986	81.2955
Sr 216.596	165.129	166.652	166.521
Ti 334.941	41.3241	41.2052	41.3651
Tl 190.794	17.4053	19.5978	19.3576
V 292.401	45.7136	46.0181	45.4388
Zn 206.200	65.2319	64.6387	65.2721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.3453	ppb	0.3726	1.9	1476.09
Al 308.215	2169.01	ppb	4.8622	0.2	4752.52
As 188.980	45.4401	ppb	2.9565	6.5	18.4097
B 249.678	102.144	ppb	1.1555	1.1	1372.01
Ba 389.178	47.1866	ppb	0.6153	1.3	1058.85
Be 313.042	21.8740	ppb	0.0275	0.1	38656.3
Ca 370.602	44908	ppb	81.39	0.2	122901
Cd 226.502	22.0819	ppb	0.1507	0.7	796.762
Co 228.615	22.1186	ppb	0.3239	1.5	218.180
Cr 267.716	45.4200	ppb	0.1964	0.4	1410.80
Cu 324.754	50.0233	ppb	0.2305	0.5	2812.70
Fe 271.441	2111.10	ppb	1.3309	0.1	3567.47
K 766.491	2571.58	ppb	8.4459	0.3	82108.6
Mg 279.078	9232.73	ppb	7.7080	0.1	18449.5
Mn 257.610	229.237	ppb	0.1224	0.1	53576.3
Mo 202.032	42.0644	ppb	0.4077	1.0	319.861
Na 330.237	5330.95	ppb	28.2083	0.5	286.713
Ni 231.604	43.3907	ppb	0.7441	1.7	106.931
Pb 220.353	22.6038	ppb	1.2366	5.5	66.3908
Sb 206.834	20.9571	ppb	0.2059	1.0	17.7754
Se 196.026	44.4299	ppb	5.5118	12.4	31.0028
Sn 189.925	80.4173	ppb	0.7918	1.0	53.3837
Sr 216.596	166.100	ppb	0.8442	0.5	1644.55
Ti 334.941	41.2982	ppb	0.0830	0.2	10661.0
Tl 190.794	18.7869	ppb	1.2025	6.4	5.2424
V 292.401	45.7235	ppb	0.2898	0.6	1215.73
Zn 206.200	65.0476	ppb	0.3547	0.5	875307

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43093-k-1-c msd (Samp) 4/18/2013, 12:15:50 AM Rack 3, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	15.0188	15.1257	14.8597
Al 308.215	2167.50	2156.30	2161.22
As 188.980	42.3666	43.6100	43.8988
B 249.678	91.3106	91.6473	92.1996
Ba 389.178	46.2809	45.1929	45.8206
Be 313.042	21.8441	21.8243	21.8373
Ca 370.602	44390	44290	44318
Cd 226.502	22.0024	22.0545	22.2557
Co 228.615	21.6369	21.4425	21.9079
Cr 267.716	45.3333	45.8505	45.2267
Cu 324.754	49.9765	49.9225	50.0404
Fe 271.441	2102.48	2103.28	2106.38
K 766.491	2553.42	2551.37	2551.89
Mg 279.078	9084.40	9103.64	9124.22
Mn 257.610	227.234	227.788	227.936
Mo 202.032	40.7538	41.0188	41.2550
Na 330.237	5411.16	5300.69	5416.50
Ni 231.604	43.0538	44.7111	43.1410
Pb 220.353	23.9941	23.1365	24.3072
Sb 206.834	16.5641	25.9458	22.5370
Se 196.026	45.2227	44.9368	37.8182
Sn 189.925	81.8668	77.5521	77.2999
Sr 216.596	164.195	165.370	164.387
Ti 334.941	40.7833	40.8388	40.7767
Tl 190.794	18.5515	17.8077	12.8654
V 292.401	45.1401	45.2153	45.1458
Zn 206.200	61.3413	61.5572	61.5591

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.0014	ppb	0.1338	0.9	1148.99
Al 308.215	2161.67	ppb	5.6147	0.3	4736.30
As 188.980	43.2918	ppb	0.8141	1.9	17.0970
B 249.678	91.7192	ppb	0.4489	0.5	1251.42
Ba 389.178	45.7648	ppb	0.5461	1.2	1028.02
Be 313.042	21.8352	ppb	0.0100	0.0	38589.0
Ca 370.602	44333	ppb	51.24	0.1	121326
Cd 226.502	22.1042	ppb	0.1337	0.6	797.503
Co 228.615	21.6624	ppb	0.2337	1.1	213.656
Cr 267.716	45.4702	ppb	0.3336	0.7	1412.35
Cu 324.754	49.9798	ppb	0.0590	0.1	2810.41
Fe 271.441	2104.05	ppb	2.0577	0.1	3555.85
K 766.491	2552.23	ppb	1.0657	0.0	81494.2
Mg 279.078	9104.09	ppb	19.9120	0.2	18192.8
Mn 257.610	227.653	ppb	0.3702	0.2	53208.7
Mo 202.032	41.0092	ppb	0.2507	0.6	312.372
Na 330.237	5376.12	ppb	65.3759	1.2	288.711
Ni 231.604	43.6353	ppb	0.9327	2.1	107.559
Pb 220.353	23.8126	ppb	0.6061	2.5	68.4526
Sb 206.834	21.6823	ppb	4.7489	21.9	18.5016
Se 196.026	42.6592	ppb	4.1949	9.8	30.1829
Sn 189.925	78.9063	ppb	2.5670	3.3	52.2846
Sr 216.596	164.651	ppb	0.6307	0.4	1630.64
Ti 334.941	40.7996	ppb	0.0341	0.1	10533.3
Tl 190.794	16.4082	ppb	3.0906	18.8	2.9591
V 292.401	45.1670	ppb	0.0419	0.1	1201.23
Zn 206.200	61.4859	ppb	0.1252	0.2	829507

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89216-d-1-a (Samp) 4/18/2013, 12:21:26 AM Rack 3, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8293u	0.5896u	1.0628u
Al 308.215	4.5266	8.4486	10.8190
As 188.980	-2.8305u	-5.0326u	-4.6900u
B 249.678	85.4007	85.0327	86.0385
Ba 389.178	39.7166	40.3396	39.9874
Be 313.042	-0.5513u	-0.5459u	-0.5540u
Ca 370.602	63702	63386	63440
Cd 226.502	-0.3574u	-0.1570u	-0.3839u
Co 228.615	-1.1940u	-0.2692u	-1.0852u
Cr 267.716	-1.3954u	-0.8247u	-1.3525u
Cu 324.754	-0.8486u	-0.7059u	-0.9806u
Fe 271.441	81.3017	81.0583	87.7956
K 766.491	13886.1	13847.0	13822.9
Mg 279.078	42807.4	42609.5	42746.5
Mn 257.610	11.0225	10.9893	11.0473
Mo 202.032	2.3355	1.8336	1.7475
Na 330.237	346982x	350817x	349645x
Ni 231.604	0.3329	1.5571	0.0439
Pb 220.353	5.7281	3.8427	3.0167
Sb 206.834	-0.4400u	-1.7837u	0.5391
Se 196.026	7.4024	-4.6673u	1.6296
Sn 189.925	-4.0351u	-2.1662u	-5.2616u
Sr 216.596	17605.3x	17509.6x	17556.2x
Ti 334.941	-0.9829u	-1.0341u	-0.9923u
Tl 190.794	-2.7299u	-5.2030u	-0.3466u
V 292.401	-1.2890u	-1.4424u	-0.9759u
Zn 206.200	24.1484	22.9014	23.5377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8272b	ppb	0.2366	28.6	-705.951
Al 308.215	7.9314b	ppb	3.1779	40.1	-6.6233
As 188.980	-4.1844b	ppb	1.1850	28.3	-11.6122
B 249.678	85.4906b	ppb	0.5089	0.6	1181.73
Ba 389.178	40.0145b	ppb	0.3124	0.8	982.794
Be 313.042	-0.5504b	ppb	0.0041	0.7	-362.407
Ca 370.602	63509b	ppb	169.4	0.3	173988
Cd 226.502	-0.2994b	ppb	0.1241	41.4	32.1635
Co 228.615	-0.8495b	ppb	0.5054	59.5	-10.3494
Cr 267.716	-1.1909b	ppb	0.3178	26.7	-23.6084
Cu 324.754	-0.8450b	ppb	0.1374	16.3	166.994
Fe 271.441	83.3852b	ppb	3.8214	4.6	250.439
K 766.491	13852.0b	ppb	31.9029	0.2	440223
Mg 279.078	42721.1b	ppb	101.330	0.2	85259.6
Mn 257.610	11.0197b	ppb	0.0291	0.3	3227.27
Mo 202.032	1.9722b	ppb	0.3175	16.1	35.4815
Na 330.237	349148xb	ppb	1965.42	0.6	15281.8
Ni 231.604	0.6446b	ppb	0.8033	124.6	-2.9006
Pb 220.353	4.1958b	ppb	1.3897	33.1	35.0720
Sb 206.834	-0.5615b	ppb	1.1662	207.7	-3.5617
Se 196.026	1.4549b	ppb	6.0367	414.9	11.0650
Sn 189.925	-3.8210b	ppb	1.5588	40.8	-7.7651
Sr 216.596	17557.0xb	ppb	47.8945	0.3	168429
Ti 334.941	-1.0031b	ppb	0.0273	2.7	-14.7040
Tl 190.794	-2.7599b	ppb	2.4283	88.0	-15.0740
V 292.401	-1.2358b	ppb	0.2378	19.2	-18.6295
Zn 206.200	23.5292b	ppb	0.6236	2.7	342543

680-89216-d-2-a (Samp) 4/18/2013, 12:27:02 AM Rack 3, Tube 8
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9766u	-0.8017u	-1.0436u
Al 308.215	-0.9343u	3.5484	-0.6092u
As 188.980	-0.0889	0.9410	1.9449
B 249.678	620.752	625.423	631.085
Ba 389.178	12.6010	12.4785	12.4930
Be 313.042	-0.5261u	-0.5138u	-0.5252u
Ca 370.602	28797	28820	28891
Cd 226.502	-0.3306u	-0.3689u	-0.6542u
Co 228.615	-0.7269u	-1.5928u	-0.0319u
Cr 267.716	-1.4625u	-0.9168u	-1.0754u
Cu 324.754	-0.5947u	-0.8122u	-0.8231u
Fe 271.441	-6.6984u	-6.7297u	-8.7846u
K 766.491	42570.0x	42638.9x	42477.9x
Mg 279.078	30205.1	30274.8	30383.0
Mn 257.610	4.5144	4.5129	4.6146
Mo 202.032	-0.8179u	-1.4699u	-1.3442u
Na 330.237	820280x	818148x	823317x
Ni 231.604	-0.5662u	-1.7194u	-0.3011u
Pb 220.353	1.5877	-0.3400u	-0.5411u
Sb 206.834	-2.1451u	2.0564	-0.6322u
Se 196.026	-5.9729u	-2.7747u	-3.0613u
Sn 189.925	-6.0579u	-6.9827u	-0.7057u
Sr 216.596	460.195	460.597	464.355
Ti 334.941	-0.7858u	-0.8116u	-0.8170u
Tl 190.794	-4.3561u	-3.2588u	-2.8685u
V 292.401	-0.5746u	-0.7230u	-1.0668u
Zn 206.200	-1.4872u	-1.1914u	-1.4736u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9406b	ppb	0.1249	13.3	-67.0234
Al 308.215	0.6683b	ppb	2.4995	374.0	-22.7547
As 188.980	0.9323b	ppb	1.0169	109.1	-8.7890
B 249.678	625.753b	ppb	5.1748	0.8	7431.89
Ba 389.178	12.5242b	ppb	0.0670	0.5	362.932
Be 313.042	-0.5217b	ppb	0.0068	1.3	-371.297
Ca 370.602	28836b	ppb	48.73	0.2	79010
Cd 226.502	-0.4512b	ppb	0.1769	39.2	24.4488
Co 228.615	-0.7839b	ppb	0.7820	99.8	-9.5992
Cr 267.716	-1.1516b	ppb	0.2807	24.4	-17.3982
Cu 324.754	-0.7433b	ppb	0.1289	17.3	172.172
Fe 271.441	-7.4042b	ppb	1.1955	16.1	102.176
K 766.491	42562.3xb	ppb	80.7698	0.2	1351676
Mg 279.078	30287.6b	ppb	89.6809	0.3	60455.9
Mn 257.610	4.5473b	ppb	0.0583	1.3	1652.93
Mo 202.032	-1.2107b	ppb	0.3459	28.6	12.8935
Na 330.237	820582xb	ppb	2597.80	0.3	35841.4
Ni 231.604	-0.8622b	ppb	0.7541	87.5	-6.7726
Pb 220.353	0.2355b	ppb	1.1753	499.0	28.3251
Sb 206.834	-0.2403b	ppb	2.1279	885.6	-3.2077
Se 196.026	-3.9363b	ppb	1.7695	45.0	8.5684
Sn 189.925	-4.5821b	ppb	3.3887	74.0	-8.1949
Sr 216.596	461.716b	ppb	2.2945	0.5	4479.32
Ti 334.941	-0.8048b	ppb	0.0167	2.1	-46.3239
Tl 190.794	-3.4945b	ppb	0.7713	22.1	-15.7644
V 292.401	-0.7881b	ppb	0.2525	32.0	-9.7892
Zn 206.200	-1.3840b	ppb	0.1670	12.1	-2.2134

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89216-d-3-a (Samp) 4/18/2013, 12:32:38 AM Rack 3, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3319u	-0.3101u	-0.4981u
Al 308.215	-1.6085u	-4.4398u	7.1438
As 188.980	-1.6531u	7.3319	4.3424
B 249.678	57.5488	56.8424	57.2382
Ba 389.178	116.969	118.454	118.413
Be 313.042	-0.5268u	-0.5270u	-0.5113u
Ca 370.602	39662	39669	39573
Cd 226.502	-0.7974u	-0.3384u	-0.3818u
Co 228.615	-0.5746u	-1.5476u	-0.2902u
Cr 267.716	-1.0729u	-0.6811u	-0.8574u
Cu 324.754	-0.7692u	-0.7094u	-0.3635u
Fe 271.441	61.5327	59.3379	62.2502
K 766.491	5651.13	5656.84	5652.43
Mg 279.078	21119.1	21142.8	21186.3
Mn 257.610	2.9309	3.1635	3.5093
Mo 202.032	27.0603	26.6847	25.8717
Na 330.237	82107.1	82314.0	81981.8
Ni 231.604	-0.2622u	-0.1127u	-0.2655u
Pb 220.353	1.6776	-0.2973u	3.2578
Sb 206.834	-2.8122u	0.5576	2.8028
Se 196.026	2.9012	-1.9936u	-0.2321u
Sn 189.925	-6.5983u	-6.6564u	-4.6552u
Sr 216.596	7660.02x	7649.62x	7647.33x
Ti 334.941	-0.5823u	-0.6354u	-0.4975u
Tl 190.794	-4.8692u	-4.7087u	-0.6482u
V 292.401	-0.7985u	-0.8316u	-0.4781u
Zn 206.200	6.4236	4.1915	5.5622

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3800b	ppb	0.1029	27.1	-349.429
Al 308.215	0.3652b	ppb	6.0388	1653.6	-22.0346
As 188.980	3.3404b	ppb	4.5756	137.0	-7.2381
B 249.678	57.2098b	ppb	0.3540	0.6	854.574
Ba 389.178	117.945b	ppb	0.8458	0.7	2602.63
Be 313.042	-0.5217b	ppb	0.0090	1.7	-295.988
Ca 370.602	39635b	ppb	53.64	0.1	108587
Cd 226.502	-0.5059b	ppb	0.2534	50.1	26.1356
Co 228.615	-0.8042b	ppb	0.6594	82.0	-10.6087
Cr 267.716	-0.8705b	ppb	0.1962	22.5	-16.6019
Cu 324.754	-0.6140b	ppb	0.2190	35.7	179.696
Fe 271.441	61.0403b	ppb	1.5173	2.5	213.989
K 766.491	5653.47b	ppb	2.9926	0.1	179948
Mg 279.078	21149.4b	ppb	34.0740	0.2	42225.8
Mn 257.610	3.2012b	ppb	0.2911	9.1	1292.23
Mo 202.032	26.5389b	ppb	0.6076	2.3	209.851
Na 330.237	82134.3b	ppb	167.772	0.2	3637.31
Ni 231.604	-0.2135b	ppb	0.0873	40.9	-5.1051
Pb 220.353	1.5460b	ppb	1.7812	115.2	30.5207
Sb 206.834	0.1827b	ppb	2.8262	1546.8	-3.1532
Se 196.026	0.2251b	ppb	2.4792	1101.2	10.4939
Sn 189.925	-5.9700b	ppb	1.1390	19.1	-9.4140
Sr 216.596	7652.32xb	ppb	6.7625	0.1	73438.4
Ti 334.941	-0.5717b	ppb	0.0696	12.2	24.6228
Tl 190.794	-3.4087b	ppb	2.3920	70.2	-15.6946
V 292.401	-0.7027b	ppb	0.1952	27.8	-7.5517
Zn 206.200	5.3924b	ppb	1.1257	20.8	10.9279

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89269-e-1-a (Samp) 4/18/2013, 12:38:26 AM Rack 3, Tube 10

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3070u	-0.4629u	-0.5478u
Al 308.215	1.9634	-0.6193u	3.5954
As 188.980	-1.3647u	2.0642	1.0421
B 249.678	66.0872	67.0571	66.7634
Ba 389.178	43.8904	42.9616	43.7875
Be 313.042	-0.5481u	-0.5454u	-0.5497u
Ca 370.602	32459	32452	32328
Cd 226.502	-0.4319u	-0.1803u	-0.3536u
Co 228.615	-0.2349u	-0.6488u	-1.1882u
Cr 267.716	-0.8573u	-0.8975u	-1.2129u
Cu 324.754	-0.7832u	-0.9464u	-0.8489u
Fe 271.441	191.571	190.128	191.141
K 766.491	6132.97	6146.59	6107.80
Mg 279.078	26368.6	26333.5	26307.9
Mn 257.610	28.1670	28.4099	28.3204
Mo 202.032	17.1085	16.8971	16.6273
Na 330.237	97385.4x	97455.6x	97155.8x
Ni 231.604	0.7878	-0.8283u	-1.0698u
Pb 220.353	3.2133	-0.1146u	3.4521
Sb 206.834	0.5298	0.8139	-0.3880u
Se 196.026	-2.5393u	1.1107	2.0282
Sn 189.925	-2.1135u	-3.1704u	-1.2122u
Sr 216.596	9221.11x	9218.84x	9185.83x
Ti 334.941	-0.9021u	-0.8027u	-0.8446u
Tl 190.794	-0.2030u	-2.3668u	-5.7277u
V 292.401	-0.7260u	-0.9981u	-0.8150u
Zn 206.200	2.0065	4.5769	3.0252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4392b	ppb	0.1221	27.8	-424.889
Al 308.215	1.6465b	ppb	2.1251	129.1	-19.6947
As 188.980	0.5805b	ppb	1.7605	303.3	-8.9784
B 249.678	66.6359b	ppb	0.4973	0.7	963.471
Ba 389.178	43.5465b	ppb	0.5091	1.2	1019.24
Be 313.042	-0.5477b	ppb	0.0022	0.4	-343.955
Ca 370.602	32413b	ppb	73.50	0.2	88796
Cd 226.502	-0.3219b	ppb	0.1288	40.0	32.6458
Co 228.615	-0.6906b	ppb	0.4781	69.2	-9.2132
Cr 267.716	-0.9893b	ppb	0.1948	19.7	-20.0145
Cu 324.754	-0.8595b	ppb	0.0821	9.6	166.705
Fe 271.441	190.947b	ppb	0.7408	0.4	426.285
K 766.491	6129.12b	ppb	19.6818	0.3	195048
Mg 279.078	26336.7b	ppb	30.4877	0.1	52573.7
Mn 257.610	28.2991b	ppb	0.1228	0.4	7134.88
Mo 202.032	16.8776b	ppb	0.2412	1.4	141.271
Na 330.237	97332.3xb	ppb	156.810	0.2	4300.09
Ni 231.604	-0.3701b	ppb	1.0100	272.9	-5.5048
Pb 220.353	2.1836b	ppb	1.9939	91.3	31.6259
Sb 206.834	0.3186b	ppb	0.6282	197.2	-2.8936
Se 196.026	0.1999b	ppb	2.4162	1208.8	10.4880
Sn 189.925	-2.1654b	ppb	0.9801	45.3	-6.6457
Sr 216.596	9208.59xb	ppb	19.7471	0.2	88362.9
Ti 334.941	-0.8498b	ppb	0.0499	5.9	-26.0746
Tl 190.794	-2.7658b	ppb	2.7839	100.7	-15.1147
V 292.401	-0.8464b	ppb	0.1387	16.4	-9.5860
Zn 206.200	3.2028b	ppb	1.2944	40.4	8.1130

680-89269-c-2-a (Samp) 4/18/2013, 12:44:03 AM Rack 3, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4766u	0.3506u	0.1070u
Al 308.215	-2.2561u	5.6124	-1.3815u
As 188.980	-5.1004u	0.0881	0.3587
B 249.678	85.5607	85.0285	85.5571
Ba 389.178	21.2177	19.7531	21.0654
Be 313.042	-0.5541u	-0.5450u	-0.5595u
Ca 370.602	46436	46445	46246
Cd 226.502	-0.4666u	-0.5789u	-0.3793u
Co 228.615	-0.7400u	-1.5263u	-0.7619u
Cr 267.716	-1.4244u	-0.8090u	-0.9587u
Cu 324.754	-1.0163u	-0.9700u	-0.9347u
Fe 271.441	-9.1347u	-10.2279u	-15.0699u
K 766.491	7998.46	8010.36	8010.34
Mg 279.078	39225.3	39178.6	39163.8
Mn 257.610	-2.5022u	-2.4172u	-2.4453u
Mo 202.032	5.0313	3.8923	4.2073
Na 330.237	156129x	155315x	155779x
Ni 231.604	-0.3172u	-1.0443u	-0.7223u
Pb 220.353	4.7915	2.5985	2.0942
Sb 206.834	-1.6475u	-1.9214u	3.9664
Se 196.026	1.8635	6.0786	-9.4250u
Sn 189.925	-4.9214u	-4.3960u	-6.7385u
Sr 216.596	13686.2x	13689.1x	13624.0x
Ti 334.941	-1.0296u	-1.0420u	-1.0878u
Tl 190.794	-0.7767u	-1.5317u	-2.0706u
V 292.401	-1.0373u	-1.0915u	-1.2419u
Zn 206.200	0.9168	3.2327	-0.2132u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3114b	ppb	0.1879	60.3	-572.937
Al 308.215	0.6583b	ppb	4.3127	655.2	-22.5066
As 188.980	-1.5512b	ppb	3.0767	198.3	-10.1517
B 249.678	85.3821b	ppb	0.3063	0.4	1180.57
Ba 389.178	20.6787b	ppb	0.8052	3.9	559.380
Be 313.042	-0.5529b	ppb	0.0073	1.3	-352.853
Ca 370.602	46376b	ppb	112.6	0.2	127058
Cd 226.502	-0.4749b	ppb	0.1000	21.1	26.8838
Co 228.615	-1.0094b	ppb	0.4478	44.4	-12.0165
Cr 267.716	-1.0640b	ppb	0.3210	30.2	-21.8129
Cu 324.754	-0.9736b	ppb	0.0409	4.2	160.351
Fe 271.441	-11.4775b	ppb	3.1587	27.5	95.4911
K 766.491	8006.38b	ppb	6.8608	0.1	254645
Mg 279.078	39189.2b	ppb	32.0783	0.1	78213.9
Mn 257.610	-2.4549b	ppb	0.0433	1.8	86.7077
Mo 202.032	4.3770b	ppb	0.5882	13.4	52.5543
Na 330.237	155741xb	ppb	408.264	0.3	6847.37
Ni 231.604	-0.6946b	ppb	0.3643	52.5	-6.3423
Pb 220.353	3.1614b	ppb	1.4341	45.4	33.3027
Sb 206.834	0.1325b	ppb	3.3231	2508.4	-2.9141
Se 196.026	-0.4943b	ppb	8.0162	1621.8	10.1598
Sn 189.925	-5.3520b	ppb	1.2291	23.0	-8.9408
Sr 216.596	13666.4xb	ppb	36.7849	0.3	131116
Ti 334.941	-1.0531b	ppb	0.0307	2.9	-29.1160
Tl 190.794	-1.4597b	ppb	0.6500	44.5	-13.8016
V 292.401	-1.1236b	ppb	0.1060	9.4	-14.8095
Zn 206.200	1.3121b	ppb	1.7567	133.8	556814

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680-89269-c-3-a (Samp) 4/18/2013, 12:49:39 AM Rack 3, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8009u	0.4899u	0.5847u
Al 308.215	-6.5959u	-4.8206u	-0.1022u
As 188.980	-1.0357u	-3.9684u	0.9423
B 249.678	66.0030	67.1973	67.4658
Ba 389.178	25.7132	24.6572	24.3954
Be 313.042	-0.5459u	-0.5527u	-0.5503u
Ca 370.602	47897	47715	47649
Cd 226.502	-0.6395u	-0.6374u	-0.3020u
Co 228.615	-0.5697u	-0.8162u	-1.2721u
Cr 267.716	-0.8166u	-0.9322u	-0.6844u
Cu 324.754	-1.4755u	-1.3445u	-0.7886u
Fe 271.441	-8.8943u	-10.5980u	-2.7300u
K 766.491	4876.67	4876.08	4883.82
Mg 279.078	36727.4	36772.3	36751.7
Mn 257.610	-2.3199u	-2.2645u	-1.6401u
Mo 202.032	2.9654	4.3514	3.5006
Na 330.237	91126.0	90689.3	91088.0
Ni 231.604	-0.2023u	0.6139	-0.2253u
Pb 220.353	2.1531	1.2962	0.4063
Sb 206.834	-1.2199u	-4.3921u	-2.1686u
Se 196.026	-4.7427u	-3.4429u	-5.8839u
Sn 189.925	-1.5699u	-0.6315u	-1.9976u
Sr 216.596	16110.4x	16029.1x	16017.1x
Ti 334.941	-1.0099u	-0.9620u	-1.0016u
Tl 190.794	-3.3619u	0.3644	-1.4500u
V 292.401	-1.7045u	-1.0571u	-1.1815u
Zn 206.200	-0.1972u	0.7153	2.0342

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6252b	ppb	0.1594	25.5	-651.988
Al 308.215	-3.8396b	ppb	3.3561	87.4	-32.4453
As 188.980	-1.3539b	ppb	2.4708	182.5	-10.0210
B 249.678	66.8887b	ppb	0.7787	1.2	966.622
Ba 389.178	24.9219b	ppb	0.6976	2.8	644.463
Be 313.042	-0.5497b	ppb	0.0034	0.6	-340.127
Ca 370.602	47754b	ppb	128.5	0.3	130833
Cd 226.502	-0.5263b	ppb	0.1942	36.9	25.4243
Co 228.615	-0.8860b	ppb	0.3564	40.2	-10.7693
Cr 267.716	-0.8111b	ppb	0.1240	15.3	-14.6968
Cu 324.754	-1.2029b	ppb	0.3647	30.3	148.415
Fe 271.441	-7.4074b	ppb	4.1394	55.9	102.139
K 766.491	4878.85b	ppb	4.3094	0.1	155357
Mg 279.078	36750.4b	ppb	22.4854	0.1	73348.7
Mn 257.610	-2.0748b	ppb	0.3775	18.2	160.766
Mo 202.032	3.6058b	ppb	0.6989	19.4	47.0808
Na 330.237	90967.8b	ppb	241.867	0.3	4022.59
Ni 231.604	0.0621b	ppb	0.4780	770.2	-4.3988
Pb 220.353	1.2852b	ppb	0.8734	68.0	30.1063
Sb 206.834	-2.5935b	ppb	1.6283	62.8	-5.5847
Se 196.026	-4.6898b	ppb	1.2214	26.0	8.2182
Sn 189.925	-1.3997b	ppb	0.6988	49.9	-6.0850
Sr 216.596	16052.2xb	ppb	50.7826	0.3	153996
Ti 334.941	-0.9912b	ppb	0.0256	2.6	-19.1458
Tl 190.794	-1.4825b	ppb	1.8633	125.7	-13.8239
V 292.401	-1.3144b	ppb	0.3435	26.1	-19.2921
Zn 206.200	0.8508b	ppb	1.1219	210.8	5.0877

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Cont Calib Verif (CCV) 4/18/2013, 12:55:16 AM Rack 3, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	494.857	489.052	483.525
Al 308.215	4902.68	4866.57	4846.80
As 188.980	483.670	481.182	481.940
B 249.678	504.738	505.804	508.530
Ba 389.178	5072.00	5053.45	5059.08
Be 313.042	518.773	512.333	515.472
Ca 370.602	4958	4935	4949
Cd 226.502	516.951	514.813	516.181
Co 228.615	521.339	519.414	520.185
Cr 267.716	5196.51	5165.93	5149.71
Cu 324.754	5148.25	5173.51	5205.14
Fe 271.441	4989.97	4948.05	4964.95
K 766.491	9819.78	9791.48	9823.05
Mg 279.078	5023.19	4996.74	5005.25
Mn 257.610	5251.32	5217.27	5223.91
Mo 202.032	490.505	489.307	490.347
Na 330.237	7490.01	7325.16	7328.58
Ni 231.604	2621.83	2611.56	2617.07
Pb 220.353	502.242	498.523	500.872
Sb 206.834	933.624	919.461	931.524
Se 196.026	4990.18	4968.61	5001.69
Sn 189.925	5008.18	4981.07	5003.79
Sr 216.596	2531.40	2517.95	2516.75
Ti 334.941	493.356	490.914	491.218
Tl 190.794	5017.62	5005.79	4991.49
V 292.401	4962.80	4947.76	4955.89
Zn 206.200	2608.64	2597.86	2604.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.145	ppb	5.6670	1.2	36814.5	97.82895
Al 308.215	4872.02	ppb	28.3318	0.6	10692.0	97.44032
As 188.980	482.264	ppb	1.2752	0.3	283.833	96.45287
B 249.678	506.357	ppb	1.9556	0.4	6044.76	20.25429Q
Ba 389.178	5061.51	ppb	9.5126	0.2	108632	101.23016
Be 313.042	515.526	ppb	3.2206	0.6	896875	103.10518
Ca 370.602	4947	ppb	11.26	0.2	13462	98.94929
Cd 226.502	515.982	ppb	1.0828	0.2	17549.2	103.19633
Co 228.615	520.313	ppb	0.9689	0.2	5188.18	104.06250
Cr 267.716	5170.72	ppb	23.7651	0.5	159462	103.41431
Cu 324.754	5175.63	ppb	28.5049	0.6	269232	103.51263
Fe 271.441	4967.66	ppb	21.0910	0.4	8353.13	99.35317
K 766.491	9811.44	ppb	17.3605	0.2	311949	98.11437
Mg 279.078	5008.39	ppb	13.5027	0.3	9946.04	100.16788
Mn 257.610	5230.83	ppb	18.0493	0.3	1211871	104.61664
Mo 202.032	490.053	ppb	0.6508	0.1	3490.40	98.01054
Na 330.237	7381.25	ppb	94.2007	1.3	356.434	98.41666
Ni 231.604	2616.82	ppb	5.1395	0.2	6716.66	104.67288
Pb 220.353	500.545	ppb	1.8811	0.4	880.951	100.10907
Sb 206.834	928.203	ppb	7.6430	0.8	959.423	92.82030
Se 196.026	4986.83	ppb	16.7910	0.3	2319.56	99.73650
Sn 189.925	4997.68	ppb	14.5476	0.3	3629.03	99.95358
Sr 216.596	2522.03	ppb	8.1329	0.3	24182.3	100.88139
Ti 334.941	491.829	ppb	1.3308	0.3	125561	98.36584
Tl 190.794	5004.97	ppb	13.0834	0.3	4792.04	100.09937
V 292.401	4955.48	ppb	7.5319	0.2	130695	99.10966
Zn 206.200	2603.75	ppb	5.4588	0.2	3339.49	104.14980

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Cont Calib Blank (CCB) 4/18/2013, 1:00:52 AM Rack 3, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6677u	-1.0017u	-0.8303u
Al 308.215	-6.3048u	-0.6648u	-2.8304u
As 188.980	-1.2432u	-0.0819u	4.7155
B 249.678	2.4942	1.1403	0.3633
Ba 389.178	-1.5489u	-0.7429u	-0.3493u
Be 313.042	-0.5118u	-0.4757u	-0.4510u
Ca 370.602	-0.9813u	-5.742u	-7.028u
Cd 226.502	-0.4195u	-0.4307u	-0.4960u
Co 228.615	-0.4029u	-0.8719u	-0.1380u
Cr 267.716	-0.7885u	-0.2914u	-0.1703u
Cu 324.754	-1.0019u	0.0346	-0.3248u
Fe 271.441	-9.5363u	-13.7119u	-14.6493u
K 766.491	-6.1464u	-5.9569u	-4.8357u
Mg 279.078	4.9774	0.7433	2.2851
Mn 257.610	-1.1364u	-0.8085u	-0.5599u
Mo 202.032	-0.1953u	-0.5080u	-0.6477u
Na 330.237	-79.5384u	-156.292u	73.4945
Ni 231.604	0.3057	-1.3624u	-1.4238u
Pb 220.353	-0.3430u	0.0119	3.2826
Sb 206.834	5.1017	5.4973	2.2940
Se 196.026	4.2744	-5.7313u	-3.8848u
Sn 189.925	-0.8533u	-3.0618u	-6.3629u
Sr 216.596	-2.1264u	-1.3143u	-1.9024u
Ti 334.941	-0.4299u	-0.4338u	-0.4385u
Tl 190.794	-0.4770u	3.4389	3.2174
V 292.401	-0.2621u	-0.6925u	-0.0713u
Zn 206.200	-2.2720u	-1.1534u	-1.4768u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8332	ppb	0.1670	20.0	-37.4804	-0.83323
Al 308.215	-3.2667	ppb	2.8452	87.1	-31.3901	-3.26667
As 188.980	1.1301	ppb	3.1588	279.5	-8.9115	1.13015
B 249.678	1.3326	ppb	1.0784	80.9	208.234	1.33262
Ba 389.178	-0.8803	ppb	0.6115	69.5	2.3453	-0.88034
Be 313.042	-0.4795	ppb	0.0306	6.4	-222.640	-0.47953
Ca 370.602	-4.584	ppb	3.186	69.5	5.471	-4.58389
Cd 226.502	-0.4487	ppb	0.0413	9.2	28.0587	-0.44873
Co 228.615	-0.4709	ppb	0.3717	78.9	-6.5220	-0.47090
Cr 267.716	-0.4167	ppb	0.3276	78.6	-3.5078	-0.41673
Cu 324.754	-0.4307	ppb	0.5263	122.2	188.432	-0.43072
Fe 271.441	-12.6325	ppb	2.7221	21.5	93.6342	-12.63248
K 766.491	-5.6464	ppb	0.7084	12.5	290.452	-5.64636
Mg 279.078	2.6686	ppb	2.1429	80.3	39.9521	2.66859
Mn 257.610	-0.8349	ppb	0.2891	34.6	234.262	-0.83491
Mo 202.032	-0.4503	ppb	0.2317	51.4	18.2896	-0.45033
Na 330.237	-54.1120	ppb	116.984	216.2	53.1076	-54.11201
Ni 231.604	-0.8268	ppb	0.9813	118.7	-6.6820	-0.82685
Pb 220.353	0.9839	ppb	1.9987	203.1	29.5982	0.98385
Sb 206.834	4.2977	ppb	1.7464	40.6	1.2570	4.29768
Se 196.026	-1.7805	ppb	5.3244	299.0	9.5647	-1.78054
Sn 189.925	-3.4260	ppb	2.7728	80.9	-7.6026	-3.42600
Sr 216.596	-1.7810	ppb	0.4194	23.5	31.6586	-1.78102
Ti 334.941	-0.4341	ppb	0.0043	1.0	-21.5158	-0.43408
Tl 190.794	2.0598	ppb	2.1997	106.8	-10.4179	2.05978
V 292.401	-0.3420	ppb	0.3182	93.1	7.3557	-0.34198
Zn 206.200	-1.6341	ppb	0.5756	35.2	515.8907	-1.63408

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680-89321-e-1-a (Samp) 4/18/2013, 1:06:28 AM Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5185u	-0.3763u	-0.2124u
Al 308.215	5.3836	0.8670	-0.0280
As 188.980	6.8582	-4.4849u	4.2774
B 249.678	50.1651	50.2027	48.7586
Ba 389.178	116.126	116.399	116.695
Be 313.042	-0.5497u	-0.5600u	-0.5440u
Ca 370.602	39635	39649	39588
Cd 226.502	-0.2731u	-0.5266u	-0.6427u
Co 228.615	-0.5287u	-0.2436u	-0.2958u
Cr 267.716	-0.9468u	-0.8731u	-1.2762u
Cu 324.754	-0.3823u	-0.6891u	-0.6924u
Fe 271.441	252.159	263.322	259.091
K 766.491	5387.46	5399.59	5395.13
Mg 279.078	21250.1	21284.4	21199.7
Mn 257.610	2.5732	2.5275	2.5914
Mo 202.032	26.8859	26.3958	26.0245
Na 330.237	81163.9	81583.9	80929.9
Ni 231.604	0.0235	-0.5927u	-0.0320u
Pb 220.353	2.8565	3.9544	1.4749
Sb 206.834	-0.6792u	-0.5238u	-0.3579u
Se 196.026	-6.3431u	0.3482	5.6356
Sn 189.925	-4.1860u	-5.9476u	-5.4656u
Sr 216.596	7724.66x	7737.57x	7700.65x
Ti 334.941	-0.7937u	-0.7379u	-0.7448u
Tl 190.794	-2.3921u	-0.9407u	0.2079
V 292.401	-0.7456u	-0.8918u	-0.7045u
Zn 206.200	3.1246	3.1760	1.0455

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3691b	ppb	0.1532	41.5	-350.907
Al 308.215	2.0742b	ppb	2.9007	139.8	-18.2791
As 188.980	2.2169b	ppb	5.9457	268.2	-7.9243
B 249.678	49.7088b	ppb	0.8231	1.7	767.570
Ba 389.178	116.407b	ppb	0.2846	0.2	2570.07
Be 313.042	-0.5512b	ppb	0.0081	1.5	-347.289
Ca 370.602	39624b	ppb	32.20	0.1	108544
Cd 226.502	-0.4808b	ppb	0.1890	39.3	27.4297
Co 228.615	-0.3560b	ppb	0.1518	42.6	-6.1531
Cr 267.716	-1.0320b	ppb	0.2147	20.8	-21.5646
Cu 324.754	-0.5880b	ppb	0.1781	30.3	181.109
Fe 271.441	258.191b	ppb	5.6355	2.2	536.198
K 766.491	5394.06b	ppb	6.1379	0.1	171713
Mg 279.078	21244.7b	ppb	42.5969	0.2	42416.1
Mn 257.610	2.5640b	ppb	0.0329	1.3	1145.63
Mo 202.032	26.4354b	ppb	0.4321	1.6	209.107
Na 330.237	81225.9b	ppb	331.374	0.4	3597.67
Ni 231.604	-0.2004b	ppb	0.3409	170.1	-5.0674
Pb 220.353	2.7619b	ppb	1.2425	45.0	32.5928
Sb 206.834	-0.5203b	ppb	0.1607	30.9	-3.8421
Se 196.026	-0.1198b	ppb	6.0031	5010.6	10.3339
Sn 189.925	-5.1997b	ppb	0.9104	17.5	-8.8541
Sr 216.596	7720.96xb	ppb	18.7323	0.2	74096.7
Ti 334.941	-0.7588b	ppb	0.0305	4.0	-22.7232
Tl 190.794	-1.0416b	ppb	1.3030	125.1	-13.4285
V 292.401	-0.7806b	ppb	0.0984	12.6	-9.5614
Zn 206.200	2.4487b	ppb	1.2155	49.6	515.1429

680-89337-a-1-a (Samp) 4/18/2013, 1:12:15 AM Rack 3, Tube 16
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0439u	-0.7068u	-1.2945u
Al 308.215	0.6694	0.1419	-5.8910u
As 188.980	3.2401	-3.6953u	2.4167
B 249.678	5.9483	6.4478	5.8220
Ba 389.178	-1.9142u	-1.1649u	-0.9191u
Be 313.042	-0.5112u	-0.5130u	-0.5099u
Ca 370.602	129.0	130.1	133.8
Cd 226.502	-0.4349u	-0.3239u	-0.4184u
Co 228.615	-0.3044u	-1.3152u	-0.2696u
Cr 267.716	-0.9353u	-0.8953u	-0.8129u
Cu 324.754	-0.8147u	-0.5282u	-1.1408u
Fe 271.441	-3.7651u	-5.6063u	-9.9223u
K 766.491	3065.28	3091.53	3088.38
Mg 279.078	2987.89	3013.99	3007.32
Mn 257.610	-0.0961u	0.2163	0.4833
Mo 202.032	-0.9815u	-0.2847u	-1.3769u
Na 330.237	2551.11	2598.78	2823.03
Ni 231.604	0.3368	-1.6615u	0.1348
Pb 220.353	0.0324	2.1617	0.3219
Sb 206.834	-3.3497u	-3.3502u	3.0616
Se 196.026	-8.1081u	-1.4754u	-4.8071u
Sn 189.925	-2.9712u	-3.0509u	-4.0444u
Sr 216.596	2.0741	3.8072	4.6933
Ti 334.941	-0.4732u	-0.5008u	-0.5441u
Tl 190.794	3.7928	-5.7769u	-1.8795u
V 292.401	-0.8038u	-0.7233u	-0.5262u
Zn 206.200	4.3748	3.4479	5.6871

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0150	ppb	0.2949	29.1	-51.4711
Al 308.215	-1.6933	ppb	3.6449	215.3	-27.9391
As 188.980	0.6538	ppb	3.7889	579.5	-9.2003
B 249.678	6.0727	ppb	0.3310	5.4	263.069
Ba 389.178	-1.3327	ppb	0.5183	38.9	-0.1210
Be 313.042	-0.5114	ppb	0.0016	0.3	-278.400
Ca 370.602	131.0	ppb	2.543	1.9	376.4
Cd 226.502	-0.3924	ppb	0.0599	15.3	30.0046
Co 228.615	-0.6297	ppb	0.5939	94.3	-8.0956
Cr 267.716	-0.8812	ppb	0.0624	7.1	-17.7981
Cu 324.754	-0.8279	ppb	0.3065	37.0	167.782
Fe 271.441	-6.4312	ppb	3.1604	49.1	103.765
K 766.491	3081.73	ppb	14.3351	0.5	98304.0
Mg 279.078	3003.07	ppb	13.5589	0.5	6025.49
Mn 257.610	0.2012	ppb	0.2900	144.1	491.641
Mo 202.032	-0.8810	ppb	0.5530	62.8	15.2329
Na 330.237	2657.64	ppb	145.203	5.5	171.328
Ni 231.604	-0.3966	ppb	1.1000	277.4	-5.5768
Pb 220.353	0.8386	ppb	1.1549	137.7	29.3513
Sb 206.834	-1.2128	ppb	3.7017	305.2	-4.1661
Se 196.026	-4.7969	ppb	3.3164	69.1	8.1689
Sn 189.925	-3.3555	ppb	0.5979	17.8	-7.5505
Sr 216.596	3.5248	ppb	1.3322	37.8	82.5506
Ti 334.941	-0.5060	ppb	0.0358	7.1	-27.7596
Tl 190.794	-1.2878	ppb	4.8122	373.7	-13.6368
V 292.401	-0.6844	ppb	0.1428	20.9	-1.6122
Zn 206.200	4.5033	ppb	1.1251	25.0	0.7845

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680-89337-a-2-a (Samp) 4/18/2013, 1:17:52 AM Rack 3, Tube 17

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3215u	-0.6750u	-1.2020u
Al 308.215	-2.4219u	-3.8693u	-0.9914u
As 188.980	-2.6550u	-1.8804u	-0.7544u
B 249.678	50.1444	51.5467	50.8173
Ba 389.178	-2.7511u	-1.5282u	-2.2924u
Be 313.042	-0.5383u	-0.5304u	-0.5275u
Ca 370.602	364.2	368.8	375.9
Cd 226.502	-0.3059u	-0.3669u	-0.3796u
Co 228.615	-0.5068u	-0.2002u	-1.1393u
Cr 267.716	-0.9970u	-0.4732u	-0.6287u
Cu 324.754	-1.1594u	-1.2612u	-1.0858u
Fe 271.441	-17.0850u	-9.0793u	-7.7920u
K 766.491	3375.48	3413.18	3394.93
Mg 279.078	3458.47	3490.86	3471.43
Mn 257.610	-1.4162u	-1.3486u	-1.2769u
Mo 202.032	-1.4201u	-0.8107u	-0.7923u
Na 330.237	4472.31	4705.51	4647.44
Ni 231.604	-1.1300u	0.2905	0.4567
Pb 220.353	0.6910	2.1407	0.7008
Sb 206.834	0.8826	-1.9617u	-3.7713u
Se 196.026	-3.3491u	-7.5065u	-4.2304u
Sn 189.925	0.2890	-4.9958u	-5.5915u
Sr 216.596	-1.3294u	0.0419	-0.0176u
Ti 334.941	-0.5635u	-0.6485u	-0.6016u
Tl 190.794	-0.4197u	-3.3667u	2.2786
V 292.401	-0.5109u	-0.8874u	-0.7900u
Zn 206.200	0.3892	-0.2508u	0.3607

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7329	ppb	0.4431	60.5	-30.0393
Al 308.215	-2.4275	ppb	1.4390	59.3	-29.5761
As 188.980	-1.7633	ppb	0.9557	54.2	-10.6695
B 249.678	50.8361	ppb	0.7013	1.4	780.918
Ba 389.178	-2.1905	ppb	0.6178	28.2	-17.4029
Be 313.042	-0.5321	ppb	0.0056	1.0	-314.502
Ca 370.602	369.6	ppb	5.864	1.6	1031
Cd 226.502	-0.3508	ppb	0.0394	11.2	31.4004
Co 228.615	-0.6154	ppb	0.4789	77.8	-7.9423
Cr 267.716	-0.6996	ppb	0.2690	38.4	-12.1834
Cu 324.754	-1.1688	ppb	0.0881	7.5	150.048
Fe 271.441	-11.3188	ppb	5.0350	44.5	95.7484
K 766.491	3394.53	ppb	18.8503	0.6	108234
Mg 279.078	3473.59	ppb	16.3000	0.5	6964.15
Mn 257.610	-1.3472	ppb	0.0696	5.2	135.750
Mo 202.032	-1.0077	ppb	0.3573	35.5	14.3342
Na 330.237	4608.42	ppb	121.396	2.6	256.432
Ni 231.604	-0.1276	ppb	0.8721	683.2	-4.8861
Pb 220.353	1.1775	ppb	0.8342	70.8	29.9292
Sb 206.834	-1.6168	ppb	2.3461	145.1	-4.5581
Se 196.026	-5.0286	ppb	2.1906	43.6	8.0613
Sn 189.925	-3.4327	ppb	3.2369	94.3	-7.6060
Sr 216.596	-0.4350	ppb	0.7751	178.2	44.6036
Ti 334.941	-0.6046	ppb	0.0426	7.0	-51.0969
Tl 190.794	-0.5026	ppb	2.8236	561.8	-12.8797
V 292.401	-0.7294	ppb	0.1954	26.8	-2.7366
Zn 206.200	0.1664	ppb	0.3615	217.3	-4.2068

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mb 680-273372/1-b (Samp) **4/18/2013, 1:23:29 AM** **Rack 3, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9614u	-0.9380u	-0.6303u
Al 308.215	2.5045	-3.9145u	-6.1599u
As 188.980	0.8291	-3.5242u	2.1527
B 249.678	-4.7425u	-5.5877u	-5.4681u
Ba 389.178	-3.0262u	-2.4638u	-2.3989u
Be 313.042	-0.5460u	-0.5432u	-0.5424u
Ca 370.602	-6.057u	-2.050u	-0.2120
Cd 226.502	-0.7932u	-0.5399u	-0.5925u
Co 228.615	-0.9695u	-0.2586u	0.3533
Cr 267.716	-0.9425u	-1.2887u	-0.9346u
Cu 324.754	-0.8796u	-1.0509u	-0.7353u
Fe 271.441	-7.1912u	-9.5142u	-14.4315u
K 766.491	-8.6480u	-8.2311u	-9.8177u
Mg 279.078	0.2357	1.2090	3.4083
Mn 257.610	-1.7249u	-1.6318u	-1.6623u
Mo 202.032	-0.8285u	-1.2460u	-0.9836u
Na 330.237	-5.9743u	-47.7097u	210.383
Ni 231.604	-0.6521u	0.4205	-1.9226u
Pb 220.353	0.5984	-0.7726u	0.6971
Sb 206.834	-3.9705u	1.9097	0.0367
Se 196.026	-12.7018u	-3.7810u	-2.6919u
Sn 189.925	-6.4086u	-6.3605u	-6.8220u
Sr 216.596	-2.0436u	-2.6986u	-2.3307u
Ti 334.941	-0.6127u	-0.5592u	-0.5054u
Tl 190.794	-3.1546u	-7.2600u	-1.6049u
V 292.401	-1.0920u	-0.8170u	-1.1525u
Zn 206.200	-2.9155u	-2.1936u	-0.5429u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8432	ppb	0.1848	21.9	-38.2179
Al 308.215	-2.5233	ppb	4.4966	178.2	-29.7711
As 188.980	-0.1808	ppb	2.9701	1642.7	-9.7094
B 249.678	-5.2661	ppb	0.4574	8.7	131.896
Ba 389.178	-2.6296	ppb	0.3450	13.1	-35.1824
Be 313.042	-0.5438	ppb	0.0019	0.4	-334.390
Ca 370.602	-2.773	ppb	2.989	107.8	10.28
Cd 226.502	-0.6419	ppb	0.1336	20.8	21.5139
Co 228.615	-0.2916	ppb	0.6620	227.0	-4.7282
Cr 267.716	-1.0552	ppb	0.2022	19.2	-23.1966
Cu 324.754	-0.8886	ppb	0.1580	17.8	164.624
Fe 271.441	-10.3790	ppb	3.6968	35.6	97.3127
K 766.491	-8.8989	ppb	0.8225	9.2	187.195
Mg 279.078	1.6177	ppb	1.6253	100.5	37.8690
Mn 257.610	-1.6730	ppb	0.0475	2.8	40.1684
Mo 202.032	-1.0193	ppb	0.2110	20.7	14.2521
Na 330.237	52.2329	ppb	138.543	265.2	57.7475
Ni 231.604	-0.7180	ppb	1.1729	163.3	-6.4025
Pb 220.353	0.1743	ppb	0.8215	471.4	28.2190
Sb 206.834	-0.6747	ppb	3.0040	445.2	-3.6378
Se 196.026	-6.3916	ppb	5.4919	85.9	7.4304
Sn 189.925	-6.5304	ppb	0.2537	3.9	-9.8600
Sr 216.596	-2.3576	ppb	0.3283	13.9	26.1433
Ti 334.941	-0.5591	ppb	0.0536	9.6	-53.4088
Tl 190.794	-4.0065	ppb	2.9222	72.9	-16.2465
V 292.401	-1.0205	ppb	0.1788	17.5	-10.4766
Zn 206.200	-1.8840	ppb	1.2162	64.6	51.5707

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ics 680-273372/2-b (Samp) 4/18/2013, 1:29:05 AM Rack 3, Tube 19
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	22.8320	23.2945	23.0791
Al 308.215	5174.79	5183.64	5177.17
As 188.980	102.780	101.957	109.428
B 249.678	190.762	192.839	194.386
Ba 389.178	101.537	101.294	100.757
Be 313.042	52.5182	52.6931	52.6666
Ca 370.602	4932	4928	4943
Cd 226.502	53.1380	53.7960	53.6273
Co 228.615	53.1704	53.7966	53.1593
Cr 267.716	105.871	106.157	106.517
Cu 324.754	104.187	105.329	105.449
Fe 271.441	5005.65	5019.45	5035.19
K 766.491	4896.69	4914.64	4931.32
Mg 279.078	5064.90	5090.19	5078.44
Mn 257.610	545.221	547.026	546.632
Mo 202.032	100.777	100.307	100.595
Na 330.237	5274.35	5262.10	5119.30
Ni 231.604	105.671	103.237	104.589
Pb 220.353	51.6572	52.7532	52.7597
Sb 206.834	47.9182	46.6167	48.1367
Se 196.026	104.595	87.6686	99.0232
Sn 189.925	195.740	200.178	200.710
Sr 216.596	101.410	101.831	101.266
Ti 334.941	98.4553	98.9439	98.8365
Tl 190.794	39.1125	40.9053	37.1854
V 292.401	101.052	101.184	101.646
Zn 206.200	102.858	103.383	106.265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.0685	ppb	0.2314	1.0	1761.50
Al 308.215	5178.53	ppb	4.5782	0.1	11380.2
As 188.980	104.722	ppb	4.0966	3.9	54.1126
B 249.678	192.662	ppb	1.8186	0.9	2415.81
Ba 389.178	101.196	ppb	0.3991	0.4	2211.60
Be 313.042	52.6260	ppb	0.0943	0.2	92111.1
Ca 370.602	4934	ppb	7.760	0.2	13211
Cd 226.502	53.5204	ppb	0.3418	0.6	1869.10
Co 228.615	53.3754	ppb	0.3648	0.7	529.097
Cr 267.716	106.182	ppb	0.3239	0.3	3285.64
Cu 324.754	104.988	ppb	0.6962	0.7	5672.04
Fe 271.441	5020.10	ppb	14.7758	0.3	8325.71
K 766.491	4914.21	ppb	17.3198	0.4	156479
Mg 279.078	5077.84	ppb	12.6520	0.2	10155.7
Mn 257.610	546.293	ppb	0.9490	0.2	126986
Mo 202.032	100.560	ppb	0.2367	0.2	734.803
Na 330.237	5218.58	ppb	86.2037	1.7	280.449
Ni 231.604	104.499	ppb	1.2193	1.2	263.944
Pb 220.353	52.3900	ppb	0.6347	1.2	117.082
Sb 206.834	47.5572	ppb	0.8218	1.7	44.0996
Se 196.026	97.0956	ppb	8.6264	8.9	55.4479
Sn 189.925	198.876	ppb	2.7289	1.4	139.508
Sr 216.596	101.502	ppb	0.2937	0.3	1019.63
Ti 334.941	98.7452	ppb	0.2568	0.3	25297.4
Tl 190.794	39.0677	ppb	1.8603	4.8	24.1591
V 292.401	101.294	ppb	0.3119	0.3	2671.92
Zn 206.200	104.169	ppb	1.8342	1.8	5137.690

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Ics 680-273372/3-b (Samp) 4/18/2013, 1:34:41 AM Rack 3, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	195.718	195.912	198.350
Al 308.215	2066.44	2055.53	2052.49
As 188.980	215.545	223.896	215.194
B 249.678	392.152	394.591	395.196
Ba 389.178	199.355	198.801	199.649
Be 313.042	210.241	209.570	210.175
Ca 370.602	19885	19817	19893
Cd 226.502	209.922	210.371	210.227
Co 228.615	210.578	209.907	209.052
Cr 267.716	209.653	207.978	209.353
Cu 324.754	209.952	210.044	209.751
Fe 271.441	20790.0	20727.6	20838.7
K 766.491	19941.2	19903.1	19970.1
Mg 279.078	20384.0	20340.2	20397.6
Mn 257.610	2171.43	2165.58	2171.53
Mo 202.032	199.300	198.008	199.360
Na 330.237	18357.5	18138.6	18466.1
Ni 231.604	208.047	208.475	206.751
Pb 220.353	203.205	201.958	205.167
Sb 206.834	193.744	186.759	195.618
Se 196.026	194.496	203.605	205.518
Sn 189.925	200.829	196.464	195.145
Sr 216.596	213.872	214.100	214.014
Ti 334.941	196.641	196.174	196.741
Tl 190.794	39.2177	41.0838	43.7570
V 292.401	202.635	202.070	203.190
Zn 206.200	200.848	199.170	196.343

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	196.660	ppb	1.4667	0.7	14841.2
Al 308.215	2058.15	ppb	7.3328	0.4	4515.25
As 188.980	218.212	ppb	4.9261	2.3	123.139
B 249.678	393.980	ppb	1.6113	0.4	4726.58
Ba 389.178	199.269	ppb	0.4306	0.2	4373.60
Be 313.042	209.996	ppb	0.3697	0.2	365761
Ca 370.602	19865	ppb	41.81	0.2	53063
Cd 226.502	210.173	ppb	0.2295	0.1	7215.49
Co 228.615	209.846	ppb	0.7648	0.4	2086.58
Cr 267.716	208.995	ppb	0.8935	0.4	6462.06
Cu 324.754	209.916	ppb	0.1500	0.1	11133.3
Fe 271.441	20785.4	ppb	55.6740	0.3	34109.4
K 766.491	19938.1	ppb	33.6159	0.2	633437
Mg 279.078	20374.0	ppb	30.0388	0.1	40649.1
Mn 257.610	2169.51	ppb	3.4052	0.2	503037
Mo 202.032	198.889	ppb	0.7637	0.4	1431.77
Na 330.237	18320.7	ppb	166.830	0.9	846.588
Ni 231.604	207.758	ppb	0.8976	0.4	529.475
Pb 220.353	203.443	ppb	1.6177	0.8	374.643
Sb 206.834	192.040	ppb	4.6689	2.4	187.584
Se 196.026	201.206	ppb	5.8892	2.9	103.993
Sn 189.925	197.479	ppb	2.9750	1.5	138.502
Sr 216.596	213.996	ppb	0.1150	0.1	2100.87
Ti 334.941	196.519	ppb	0.3028	0.2	50299.7
Tl 190.794	41.3528	ppb	2.2815	5.5	23.3749
V 292.401	202.631	ppb	0.5601	0.3	5329.38
Zn 206.200	198.787	ppb	2.2768	1.1	259.115

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640-43094-h-1-b (Samp) 4/18/2013, 1:40:18 AM Rack 3, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9569u	-0.7524u	-0.7706u
Al 308.215	7.8058	5.5525	4.5888
As 188.980	-4.8431u	4.6444	-3.8726u
B 249.678	328.140	331.802	330.495
Ba 389.178	229.855	227.172	227.510
Be 313.042	-0.5691u	-0.5425u	-0.5340u
Ca 370.602	199258	199307	198306
Cd 226.502	-0.6259u	-0.3981u	-0.5033u
Co 228.615	-0.9029u	0.7652	-0.4209u
Cr 267.716	-1.0775u	-0.7586u	-0.9180u
Cu 324.754	-0.7051u	-1.1429u	-0.7761u
Fe 271.441	1578.29	1576.86	1583.90
K 766.491	21849.6	21870.5	21894.2
Mg 279.078	98215.6	98264.9	97965.0
Mn 257.610	546.220	545.818	546.200
Mo 202.032	0.3637	-1.1100u	-1.4336u
Na 330.237	423047x	423850x	423162x
Ni 231.604	1.1503	0.3057	0.2058
Pb 220.353	3.2252	3.4782	3.7070
Sb 206.834	-6.4723u	-2.5772u	-2.9234u
Se 196.026	1.6124	6.9194	-3.5610u
Sn 189.925	-6.2293u	-1.7094u	-5.7254u
Sr 216.596	1129.79	1125.27	1126.14
Ti 334.941	-1.7175u	-1.6376u	-1.6187u
Tl 190.794	-1.0539u	-5.1289u	-0.4685u
V 292.401	-1.8553u	-1.9278u	-1.1643u
Zn 206.200	-1.2055u	2.0461	-0.1410u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8266b	ppb	0.1131	13.7	-87.2188
Al 308.215	5.9823b	ppb	1.6510	27.6	-11.0380
As 188.980	-1.3571b	ppb	5.2200	384.6	-8.7650
B 249.678	330.146b	ppb	1.8557	0.6	4010.30
Ba 389.178	228.179b	ppb	1.4610	0.6	5154.39
Be 313.042	-0.5485b	ppb	0.0183	3.3	-324.801
Ca 370.602	198957b	ppb	564.6	0.3	544938
Cd 226.502	-0.5091b	ppb	0.1140	22.4	28.6361
Co 228.615	-0.1862b	ppb	0.8585	461.0	-3.7082
Cr 267.716	-0.9180b	ppb	0.1595	17.4	-12.6824
Cu 324.754	-0.8747b	ppb	0.2350	26.9	165.846
Fe 271.441	1579.68b	ppb	3.7203	0.2	2695.43
K 766.491	21871.4b	ppb	22.3212	0.1	694812
Mg 279.078	98148.5b	ppb	160.833	0.2	195825
Mn 257.610	546.079b	ppb	0.2262	0.0	127467
Mo 202.032	-0.7267b	ppb	0.9580	131.8	16.2528
Na 330.237	423353xb	ppb	434.548	0.1	18517.6
Ni 231.604	0.5539b	ppb	0.5189	93.7	-3.1033
Pb 220.353	3.4701b	ppb	0.2410	6.9	33.9573
Sb 206.834	-3.9910b	ppb	2.1558	54.0	-6.8692
Se 196.026	1.6569b	ppb	5.2403	316.3	11.2814
Sn 189.925	-4.5547b	ppb	2.4769	54.4	-8.2269
Sr 216.596	1127.07b	ppb	2.3987	0.2	10876.3
Ti 334.941	-1.6579b	ppb	0.0525	3.2	39.6583
Tl 190.794	-2.2171b	ppb	2.5386	114.5	-15.3813
V 292.401	-1.6491b	ppb	0.4215	25.6	-28.9842
Zn 206.200	0.2332b	ppb	1.6578	710.8	42938

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43094-h-2-b (Samp) 4/18/2013, 1:45:54 AM Rack 3, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1388u	-0.8197u	-1.1006u
Al 308.215	4.4937	0.5280	3.0936
As 188.980	-9.5376u	3.5256	-8.9161u
B 249.678	247.460	249.449	250.726
Ba 389.178	77.8714	78.0888	77.8767
Be 313.042	-0.5865u	-0.5922u	-0.5775u
Ca 370.602	177025	179358	177233
Cd 226.502	-0.3927u	-0.5527u	-0.4648u
Co 228.615	-0.0337u	-0.0617u	-0.3288u
Cr 267.716	-0.5238u	-0.7633u	-0.4574u
Cu 324.754	0.8450	1.1121	1.2184
Fe 271.441	719.692	720.611	716.554
K 766.491	13882.8	13873.1	13925.5
Mg 279.078	73992.7	73936.1	74020.8
Mn 257.610	577.097	575.911	576.708
Mo 202.032	0.4654	0.5993	0.3309
Na 330.237	331675x	331294x	332900x
Ni 231.604	1.3263	4.0634	3.5725
Pb 220.353	3.0390	2.6878	5.1040
Sb 206.834	0.9506	0.5123	-0.1826u
Se 196.026	-0.1313	5.7721	3.9533
Sn 189.925	-6.0490u	-3.4848u	-7.1013u
Sr 216.596	916.645	914.820	914.334
Ti 334.941	-1.3460u	-1.3852u	-1.4067u
Tl 190.794	-4.8483u	-0.2103u	-3.2851u
V 292.401	-0.1727u	-0.2721u	-0.1740u
Zn 206.200	1.4702	-0.3390u	-0.5713u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0197b	ppb	0.1742	17.1	-91.6822
Al 308.215	2.7051b	ppb	2.0112	74.3	-18.1969
As 188.980	-4.9760b	ppb	7.3692	148.1	-11.1339
B 249.678	249.211b	ppb	1.6459	0.7	3074.99
Ba 389.178	77.9456b	ppb	0.1240	0.2	1872.28
Be 313.042	-0.5854b	ppb	0.0074	1.3	-385.491
Ca 370.602	177872b	ppb	1291	0.7	487239
Cd 226.502	-0.4701b	ppb	0.0802	17.1	28.2191
Co 228.615	-0.1414b	ppb	0.1629	115.2	-3.2789
Cr 267.716	-0.5815b	ppb	0.1609	27.7	-3.3343
Cu 324.754	1.0585b	ppb	0.1924	18.2	266.100
Fe 271.441	718.952b	ppb	2.1271	0.3	1289.06
K 766.491	13893.8b	ppb	27.9182	0.2	441550
Mg 279.078	73983.2b	ppb	43.1450	0.1	147616
Mn 257.610	576.572b	ppb	0.6048	0.1	134387
Mo 202.032	0.4652b	ppb	0.1342	28.8	24.7519
Na 330.237	331957xb	ppb	839.175	0.3	14532.0
Ni 231.604	2.9874b	ppb	1.4593	48.9	3.1294
Pb 220.353	3.6102b	ppb	1.3055	36.2	34.2009
Sb 206.834	0.4268b	ppb	0.5714	133.9	-2.5530
Se 196.026	3.1980b	ppb	3.0233	94.5	12.0023
Sn 189.925	-5.5451b	ppb	1.8602	33.5	-8.9812
Sr 216.596	915.266b	ppb	1.2186	0.1	8842.83
Ti 334.941	-1.3793b	ppb	0.0308	2.2	17.8603
Tl 190.794	-2.7813b	ppb	2.3597	84.8	-15.9231
V 292.401	-0.2063b	ppb	0.0570	27.6	9.2784
Zn 206.200	0.1866b	ppb	1.1176	598.8	-4.2327

640-43094-s-4-b (Samp) 4/18/2013, 1:51:30 AM Rack 3, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1201u	-0.8203u	-1.0060u
Al 308.215	6.2773	2.9849	7.6297
As 188.980	-0.6884	4.4556	0.3673
B 249.678	2127.05	2125.83	2144.47
Ba 389.178	237.320	238.267	238.642
Be 313.042	-0.4873u	-0.4879u	-0.4915u
Ca 370.602	135752	136018	136186
Cd 226.502	-0.4253u	-0.2016u	-0.2647u
Co 228.615	-1.1685u	-0.6970u	0.5613
Cr 267.716	-1.6282u	-1.9364u	-1.0850u
Cu 324.754	-0.3406u	-0.5403u	-0.2397u
Fe 271.441	61.1270	59.0505	52.9591
K 766.491	107817x	107210x	107731x
Mg 279.078	239210	239371	239605
Mn 257.610	299.121	298.340	299.291
Mo 202.032	-0.9582u	-2.1799u	-1.0120u
Na 330.237	2064461x	2063089x	2072962x
Ni 231.604	1.6814	1.6078	2.0765
Pb 220.353	2.2588	3.1140	6.0614
Sb 206.834	0.8511	-6.3251u	-6.6556u
Se 196.026	-0.3120u	-2.1425u	0.4825
Sn 189.925	-10.1153u	-5.4441u	-3.1922u
Sr 216.596	1418.18	1422.38	1421.68
Ti 334.941	-3.7109u	-3.7565u	-3.7225u
Tl 190.794	-0.0221u	-7.0432u	-5.7442u
V 292.401	-0.6919u	-0.2609u	-0.5145u
Zn 206.200	2.3889	4.9352	2.6729

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9821b	ppb	0.1513	15.4	-115.703
Al 308.215	5.6306b	ppb	2.3889	42.4	-11.8377
As 188.980	1.3781b	ppb	2.7169	197.1	-7.6153
B 249.678	2132.45b	ppb	10.4261	0.5	24862.1
Ba 389.178	238.077b	ppb	0.6812	0.3	5704.82
Be 313.042	-0.4889b	ppb	0.0023	0.5	-413.887
Ca 370.602	135986b	ppb	218.9	0.2	372536
Cd 226.502	-0.2972b	ppb	0.1153	38.8	26.2829
Co 228.615	-0.4347b	ppb	0.8942	205.7	-6.0787
Cr 267.716	-1.5499b	ppb	0.4310	27.8	-15.5576
Cu 324.754	-0.3735b	ppb	0.1530	40.9	191.411
Fe 271.441	57.7122b	ppb	4.2452	7.4	208.686
K 766.491	107586xb	ppb	328.164	0.3	3415956
Mg 279.078	239395b	ppb	198.517	0.1	477604
Mn 257.610	298.917b	ppb	0.5070	0.2	71033.6
Mo 202.032	-1.3834b	ppb	0.6904	49.9	11.6649
Na 330.237	2066837xb	ppb	5348.41	0.3	90191.0
Ni 231.604	1.7886b	ppb	0.2520	14.1	0.0369
Pb 220.353	3.8114b	ppb	1.9949	52.3	34.4853
Sb 206.834	-4.0432b	ppb	4.2418	104.9	-6.9499
Se 196.026	-0.6574b	ppb	1.3461	204.8	10.1552
Sn 189.925	-6.2505b	ppb	3.5313	56.5	-9.0074
Sr 216.596	1420.75b	ppb	2.2474	0.2	13686.4
Ti 334.941	-3.7300b	ppb	0.0237	0.6	-20.0409
Tl 190.794	-4.2698b	ppb	3.7355	87.5	-16.9345
V 292.401	-0.4891b	ppb	0.2166	44.3	-8.2931
Zn 206.200	3.3323b	ppb	1.3954	41.9	8.2792

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43094-j-6-b (Samp) 4/18/2013, 1:57:07 AM Rack 3, Tube 24
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2125u	-1.1032u	-0.8327u
Al 308.215	6.2753	7.8005	3.7815
As 188.980	2.6454	-4.5767u	2.3470
B 249.678	1793.39	1798.07	1797.13
Ba 389.178	258.431	256.471	256.230
Be 313.042	-0.4965u	-0.5103u	-0.4956u
Ca 370.602	144478	144636	144093
Cd 226.502	-0.3923u	-0.2989u	-0.2668u
Co 228.615	0.2945	-0.3344u	-0.4379u
Cr 267.716	-1.9524u	-1.5760u	-1.3400u
Cu 324.754	-0.4530u	-0.5996u	-0.3529u
Fe 271.441	59.6481	47.0899	50.2000
K 766.491	93877.1x	93701.6x	93566.8x
Mg 279.078	190947	190915	190399
Mn 257.610	288.861	288.783	287.527
Mo 202.032	-0.0398u	-1.3913u	-0.6556u
Na 330.237	1692051x	1685675x	1685774x
Ni 231.604	-1.5798u	1.1298	0.9321
Pb 220.353	4.2916	2.6100	7.9898
Sb 206.834	1.9149	0.3594	-6.2508u
Se 196.026	-11.1868u	-9.2047u	10.1188
Sn 189.925	-5.5055u	-7.6133u	-12.0848u
Sr 216.596	1286.14	1286.72	1283.20
Ti 334.941	-3.0502u	-3.0587u	-3.0778u
Tl 190.794	-7.9019u	-7.0271u	-9.7740u
V 292.401	-0.2934u	-0.4821u	-0.2496u
Zn 206.200	2.3246	2.7752	-2.1271u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0494b	ppb	0.1955	18.6	-113.810
Al 308.215	5.9524b	ppb	2.0289	34.1	-11.1053
As 188.980	0.1385b	ppb	4.0862	2949.3	-8.2991
B 249.678	1796.19b	ppb	2.4740	0.1	20972.1
Ba 389.178	257.044b	ppb	1.2074	0.5	5994.47
Be 313.042	-0.5008b	ppb	0.0082	1.6	-392.012
Ca 370.602	144402b	ppb	279.5	0.2	395593
Cd 226.502	-0.3193b	ppb	0.0652	20.4	26.7542
Co 228.615	-0.1593b	ppb	0.3964	248.8	-3.3588
Cr 267.716	-1.6228b	ppb	0.3089	19.0	-21.8696
Cu 324.754	-0.4685b	ppb	0.1241	26.5	186.483
Fe 271.441	52.3127b	ppb	6.5402	12.5	199.808
K 766.491	93715.2xb	ppb	155.560	0.2	2975604
Mg 279.078	190754b	ppb	307.447	0.2	380568
Mn 257.610	288.390b	ppb	0.7487	0.3	68315.1
Mo 202.032	-0.6956b	ppb	0.6767	97.3	16.5466
Na 330.237	1687833xb	ppb	3652.72	0.2	73662.5
Ni 231.604	0.1607b	ppb	1.5105	940.0	-4.1443
Pb 220.353	4.9638b	ppb	2.7522	55.4	36.4460
Sb 206.834	-1.3255b	ppb	4.3358	327.1	-4.2832
Se 196.026	-3.4242b	ppb	11.7704	343.7	8.8720
Sn 189.925	-8.4012b	ppb	3.3597	40.0	-10.6776
Sr 216.596	1285.35b	ppb	1.8894	0.1	12388.7
Ti 334.941	-3.0622b	ppb	0.0141	0.5	-23.8786
Tl 190.794	-8.2343b	ppb	1.4033	17.0	-20.7277
V 292.401	-0.3417b	ppb	0.1235	36.2	-2.3567
Zn 206.200	0.9909b	ppb	2.7997	273.5	5.2683

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/18/2013, 2:02:43 AM Rack 3, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	489.747	488.424	487.312
Al 308.215	4850.25	4881.72	4768.13
As 188.980	484.712	488.266	487.924
B 249.678	545.794	546.448	541.004
Ba 389.178	5049.23	5078.34	4942.94
Be 313.042	516.134	519.523	506.347
Ca 370.602	5000	5043	4926
Cd 226.502	518.502	520.010	510.731
Co 228.615	522.212	524.635	511.754
Cr 267.716	5156.95	5200.92	5069.17
Cu 324.754	5194.76	5172.12	5104.16
Fe 271.441	4985.79	4999.75	4861.14
K 766.491	9820.29	9864.48	9653.89
Mg 279.078	5102.03	5164.06	5041.17
Mn 257.610	5257.13	5280.68	5148.05
Mo 202.032	490.034	495.016	484.415
Na 330.237	8204.28	8274.74	7949.06
Ni 231.604	2633.67	2646.83	2572.26
Pb 220.353	501.282	503.106	494.021
Sb 206.834	930.076	937.484	917.198
Se 196.026	5025.66	5039.15	4944.26
Sn 189.925	4978.50	5012.70	4926.86
Sr 216.596	2527.19	2538.99	2479.32
Ti 334.941	488.608	491.685	479.857
Tl 190.794	5022.70	5068.24	4949.53
V 292.401	4965.67	4982.22	4870.86
Zn 206.200	2624.31	2636.93	2580.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.494	ppb	1.2192	0.2	36765.4	97.69882
Al 308.215	4833.37	ppb	58.6477	1.2	10607.0	96.66734
As 188.980	486.967	ppb	1.9608	0.4	286.696	97.39343
B 249.678	544.415	ppb	2.9725	0.5	6485.06	21.77661Q
Ba 389.178	5023.50	ppb	71.2703	1.4	107817	100.47005
Be 313.042	514.001	ppb	6.8419	1.3	894225	102.80028
Ca 370.602	4990	ppb	59.10	1.2	13579	99.79295
Cd 226.502	516.414	ppb	4.9796	1.0	17563.8	103.28286
Co 228.615	519.533	ppb	6.8455	1.3	5180.43	103.90669
Cr 267.716	5142.35	ppb	67.0753	1.3	158587	102.84693
Cu 324.754	5157.01	ppb	47.1509	0.9	268265	103.14024
Fe 271.441	4948.89	ppb	76.3147	1.5	8322.38	98.97781
K 766.491	9779.55	ppb	111.048	1.1	310937	97.79551
Mg 279.078	5102.42	ppb	61.4445	1.2	10133.6	102.04838
Mn 257.610	5228.62	ppb	70.7609	1.4	1211359	104.57240
Mo 202.032	489.822	ppb	5.3039	1.1	3488.79	97.96437
Na 330.237	8142.69	ppb	171.347	2.1	389.600	108.56924
Ni 231.604	2617.58	ppb	39.8021	1.5	6718.61	104.70336
Pb 220.353	499.470	ppb	4.8063	1.0	879.120	99.89391
Sb 206.834	928.253	ppb	10.2652	1.1	959.577	92.82526
Se 196.026	5003.03	ppb	51.3390	1.0	2327.05	100.06051
Sn 189.925	4972.69	ppb	43.2180	0.9	3610.86	99.45376
Sr 216.596	2515.16	ppb	31.5996	1.3	24116.3	100.60658
Ti 334.941	486.717	ppb	6.1365	1.3	124258	97.34340
Tl 190.794	5013.49	ppb	59.8854	1.2	4800.22	100.26978
V 292.401	4939.58	ppb	60.0871	1.2	130274	98.79162
Zn 206.200	2614.03	ppb	29.4310	1.1	3352.68	104.56104

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/18/2013, 2:08:20 AM Rack 3, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7511u	-0.9783u	-0.7553u
Al 308.215	-1.4818u	-0.0991u	1.0734
As 188.980	-0.8963u	0.1533	0.6853
B 249.678	17.2039	15.7562	14.5093
Ba 389.178	-1.7176u	-0.5503u	0.4040
Be 313.042	-0.4595u	-0.4257u	-0.3272u
Ca 370.602	-2.293u	4.578	23.14
Cd 226.502	-0.4209u	-0.3476u	-0.2652u
Co 228.615	-0.9883u	-0.8826u	-0.6551u
Cr 267.716	-0.4749u	0.3260	0.7366
Cu 324.754	-0.5536u	0.7851	1.1895
Fe 271.441	-17.2590u	-4.4497u	-7.9333u
K 766.491	-4.0121u	-2.1860u	2.5765
Mg 279.078	5.0980	10.2711	25.0524
Mn 257.610	-0.7126u	-0.2037u	0.9225
Mo 202.032	-0.7248u	-0.3962u	0.3249
Na 330.237	74.4045	36.6717	290.512
Ni 231.604	0.5740	-1.0017u	1.7914
Pb 220.353	2.5715	1.9987	2.2991
Sb 206.834	2.5747	6.8747	0.1166
Se 196.026	-2.0076u	-5.2511u	3.0976
Sn 189.925	-6.9313u	-1.1058u	-0.6426u
Sr 216.596	-2.4402u	-1.7232u	-1.5280u
Ti 334.941	-0.4605u	-0.3535u	-0.3488u
Tl 190.794	-0.9838u	0.6481	3.6930
V 292.401	-0.0749u	0.7232	1.6727
Zn 206.200	-1.9850u	-0.7435u	-2.0222u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8282	ppb	0.1300	15.7	-37.0868	-0.82824
Al 308.215	-0.1691	ppb	1.2790	756.2	-24.5663	-0.16914
As 188.980	-0.0192	ppb	0.8048	4184.9	-9.6111	-0.01923
B 249.678	15.8231	ppb	1.3485	8.5	375.864	15.82310
Ba 389.178	-0.6213	ppb	1.0626	171.0	7.9356	-0.62131
Be 313.042	-0.4042	ppb	0.0687	17.0	-91.6585	-0.40416
Ca 370.602	8.475	ppb	13.16	155.2	41.13	8.47455
Cd 226.502	-0.3446	ppb	0.0779	22.6	31.5952	-0.34455
Co 228.615	-0.8420	ppb	0.1703	20.2	-10.2229	-0.84201
Cr 267.716	0.1959	ppb	0.6162	314.6	15.3819	0.19588
Cu 324.754	0.4737	ppb	0.9123	192.6	235.442	0.47365
Fe 271.441	-9.8807	ppb	6.6230	67.0	98.1124	-9.88066
K 766.491	-1.2072	ppb	3.4016	281.8	431.379	-1.20722
Mg 279.078	13.4738	ppb	10.3556	76.9	61.4953	13.47383
Mn 257.610	0.0021	ppb	0.8367	40601.1	428.166	0.00206
Mo 202.032	-0.2654	ppb	0.5369	202.3	19.6003	-0.26537
Na 330.237	133.863	ppb	136.968	102.3	61.3041	133.86284
Ni 231.604	0.4546	ppb	1.4004	308.1	-3.3907	0.45457
Pb 220.353	2.2898	ppb	0.2865	12.5	31.8236	2.28978
Sb 206.834	3.1887	ppb	3.4206	107.3	0.1708	3.18868
Se 196.026	-1.3870	ppb	4.2088	303.4	9.7470	-1.38702
Sn 189.925	-2.8932	ppb	3.5047	121.1	-7.2151	-2.89324
Sr 216.596	-1.8971	ppb	0.4803	25.3	30.5189	-1.89714
Ti 334.941	-0.3876	ppb	0.0631	16.3	-9.6184	-0.38760
Tl 190.794	1.1191	ppb	2.3737	212.1	-11.3229	1.11910
V 292.401	0.7737	ppb	0.8749	113.1	36.7714	0.77367
Zn 206.200	-1.5836	ppb	0.7278	46.0	51.9536	-1.58357

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-d-1-d (Samp) 4/18/2013, 2:13:56 AM Rack 3, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7051u	-1.1324u	-1.0488u
Al 308.215	5.8088	3.6229	9.4178
As 188.980	2.8813	-2.4130	-0.4976
B 249.678	293.807	296.713	296.447
Ba 389.178	350.954	350.854	349.756
Be 313.042	-0.5798u	-0.5824u	-0.5776u
Ca 370.602	223721	224319	223903
Cd 226.502	-0.5968u	-0.4336u	-0.1089
Co 228.615	-0.2792u	0.2306	0.6889
Cr 267.716	-0.8938u	-0.9843u	-1.1768u
Cu 324.754	-0.5529u	-0.8278u	-0.5885u
Fe 271.441	3962.59	3981.99	3967.79
K 766.491	18344.1	18336.5	18354.8
Mg 279.078	91160.3	91311.8	90927.2
Mn 257.610	963.396	965.060	961.614
Mo 202.032	-0.0465u	-0.7120u	-0.0511u
Na 330.237	535189x	533630x	534255x
Ni 231.604	2.1336	2.6560	0.3647
Pb 220.353	4.3346	1.3588	2.5904
Sb 206.834	0.1807	1.7471	-4.0731u
Se 196.026	1.1973	-6.8386u	-1.5540u
Sn 189.925	-3.5711u	-6.0981u	-5.2680u
Sr 216.596	1312.04	1316.76	1312.77
Ti 334.941	-1.4580u	-1.5547u	-1.4415u
Tl 190.794	-1.2379u	-4.3850u	-1.2024u
V 292.401	-1.1611u	-0.6806u	-1.3532u
Zn 206.200	0.5750	0.2149	0.7143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9621b	ppb	0.2264	23.5	-104.211
Al 308.215	6.2831b	ppb	2.9264	46.6	-10.3600
As 188.980	-0.0098b	ppb	2.6807	27426.0	-7.7516
B 249.678	295.656b	ppb	1.6064	0.5	3608.53
Ba 389.178	350.521b	ppb	0.6650	0.2	7765.28
Be 313.042	-0.5799b	ppb	0.0024	0.4	-381.849
Ca 370.602	223981b	ppb	306.8	0.1	613330
Cd 226.502	-0.3798b	ppb	0.2484	65.4	37.7250
Co 228.615	0.2134b	ppb	0.4843	226.9	0.1887
Cr 267.716	-1.0183b	ppb	0.1446	14.2	-13.0855
Cu 324.754	-0.6564b	ppb	0.1495	22.8	177.937
Fe 271.441	3970.79b	ppb	10.0418	0.3	6602.34
K 766.491	18345.1b	ppb	9.2141	0.1	582865
Mg 279.078	91133.1b	ppb	193.708	0.2	181824
Mn 257.610	963.357b	ppb	1.7235	0.2	224070
Mo 202.032	-0.2699b	ppb	0.3829	141.9	19.3760
Na 330.237	534358xb	ppb	784.678	0.1	23358.0
Ni 231.604	1.7181b	ppb	1.2008	69.9	-0.0645
Pb 220.353	2.7613b	ppb	1.4953	54.2	32.8411
Sb 206.834	-0.7151b	ppb	3.0117	421.2	-3.5939
Se 196.026	-2.3985b	ppb	4.0839	170.3	9.4989
Sn 189.925	-4.9790b	ppb	1.2880	25.9	-8.4941
Sr 216.596	1313.86b	ppb	2.5423	0.2	12670.9
Ti 334.941	-1.4847b	ppb	0.0611	4.1	48.3562
Tl 190.794	-2.2751b	ppb	1.8273	80.3	-16.1434
V 292.401	-1.0650b	ppb	0.3465	32.5	-14.4858
Zn 206.200	0.5014b	ppb	0.2577	51.4	4.6380

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640-43129-d-1-dSD^5 (Samp) 4/18/2013, 2:19:33 AM Rack 3, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2076u	-1.0824u	-0.7678u
Al 308.215	3.4184	6.7602	-2.6464u
As 188.980	-6.7937u	-2.8113u	-2.4503u
B 249.678	62.1388	61.1402	60.1049
Ba 389.178	68.8291	69.8215	69.7303
Be 313.042	-0.5459u	-0.5368u	-0.5265u
Ca 370.602	46254	46154	46143
Cd 226.502	-0.2744u	-0.3412u	-0.3787u
Co 228.615	-0.9662u	-0.5137u	-0.5864u
Cr 267.716	-1.3569u	-0.6859u	-0.8269u
Cu 324.754	-0.7766u	-0.7912u	-0.5621u
Fe 271.441	828.634	837.182	837.797
K 766.491	2871.81	2861.74	2859.06
Mg 279.078	18720.9	18667.6	18608.9
Mn 257.610	202.233	201.073	200.979
Mo 202.032	-1.2553u	-0.8449u	-1.2518u
Na 330.237	95183.4	94791.7	94852.8
Ni 231.604	1.3337	0.5603	2.0142
Pb 220.353	3.5792	3.1186	1.9582
Sb 206.834	5.5901	1.8012	0.6931
Se 196.026	0.9184	6.2901	4.9005
Sn 189.925	-7.7795u	-7.7905u	-4.0831u
Sr 216.596	273.632	275.526	274.517
Ti 334.941	-0.7186u	-0.7560u	-0.7403u
Tl 190.794	-3.1116u	-0.6491u	-1.9677u
V 292.401	-1.1210u	-1.1479u	-0.9722u
Zn 206.200	0.4684	-0.7836u	0.3301

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0193b	ppb	0.2266	22.2	-63.4501
Al 308.215	2.5107b	ppb	4.7685	189.9	-18.6933
As 188.980	-4.0184b	ppb	2.4102	60.0	-11.6625
B 249.678	61.1280b	ppb	1.0170	1.7	899.002
Ba 389.178	69.4603b	ppb	0.5485	0.8	1557.33
Be 313.042	-0.5364b	ppb	0.0097	1.8	-316.698
Ca 370.602	46184b	ppb	61.52	0.1	126478
Cd 226.502	-0.3314b	ppb	0.0528	15.9	33.6723
Co 228.615	-0.6887b	ppb	0.2430	35.3	-8.7024
Cr 267.716	-0.9566b	ppb	0.3538	37.0	-18.4525
Cu 324.754	-0.7100b	ppb	0.1283	18.1	174.168
Fe 271.441	834.537b	ppb	5.1220	0.6	1477.82
K 766.491	2864.20b	ppb	6.7224	0.2	91398.2
Mg 279.078	18665.8b	ppb	56.0067	0.3	37268.4
Mn 257.610	201.428b	ppb	0.6984	0.3	47186.8
Mo 202.032	-1.1174b	ppb	0.2359	21.1	13.5150
Na 330.237	94942.6b	ppb	210.751	0.2	4195.73
Ni 231.604	1.3027b	ppb	0.7275	55.8	-1.1951
Pb 220.353	2.8853b	ppb	0.8353	29.0	32.8844
Sb 206.834	2.6948b	ppb	2.5679	95.3	-0.2998
Se 196.026	4.0363b	ppb	2.7882	69.1	12.3030
Sn 189.925	-6.5511b	ppb	2.1373	32.6	-9.8304
Sr 216.596	274.558b	ppb	0.9479	0.3	2686.35
Ti 334.941	-0.7383b	ppb	0.0188	2.5	-28.9814
Tl 190.794	-1.9095b	ppb	1.2323	64.5	-14.5602
V 292.401	-1.0804b	ppb	0.0946	8.8	-12.5062
Zn 206.200	0.0049b	ppb	0.6864	1385.4	3.9997

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640-43129-d-1-dPDS (Samp) 4/18/2013, 2:25:10 AM Rack 3, Tube 29**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.4765	51.4420	51.3253
Al 308.215	2140.60	2161.46	2173.02
As 188.980	2306.73	2297.12	2292.52
B 249.678	1346.32	1354.77	1357.37
Ba 389.178	2394.70	2390.30	2389.86
Be 313.042	51.8138	51.7842	51.8244
Ca 370.602	225055	226598	226493
Cd 226.502	51.6094	51.5958	52.0966
Co 228.615	525.127	523.141	524.344
Cr 267.716	204.720	205.909	206.848
Cu 324.754	272.281	272.693	271.785
Fe 271.441	4866.64	4852.37	4858.20
K 766.491	25596.6	25480.6	25480.0
Mg 279.078	95403.0	95418.6	95569.6
Mn 257.610	1494.48	1493.24	1492.08
Mo 202.032	507.455	508.977	507.907
Na 330.237	536966x	534760x	535993x
Ni 231.604	511.102	512.030	509.432
Pb 220.353	494.082	495.983	495.889
Sb 206.834	500.133	507.387	510.506
Se 196.026	2131.51	2147.51	2159.64
Sn 189.925	1007.39	1001.77	1011.94
Sr 216.596	1807.03	1807.55	1816.43
Ti 334.941	981.207	982.318	984.629
Tl 190.794	1959.58	1959.53	1955.11
V 292.401	502.720	501.074	500.428
Zn 206.200	522.952	520.751	519.658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.4146b	ppb	0.0792	0.2	3824.12
Al 308.215	2158.36b	ppb	16.4304	0.8	4749.50
As 188.980	2298.79b	ppb	7.2466	0.3	1391.47
B 249.678	1352.82b	ppb	5.7761	0.4	15837.2
Ba 389.178	2391.62b	ppb	2.6766	0.1	51566.2
Be 313.042	51.8075b	ppb	0.0208	0.0	90629.5
Ca 370.602	226049b	ppb	862.0	0.4	619103
Cd 226.502	51.7673b	ppb	0.2853	0.6	1807.92
Co 228.615	524.204b	ppb	1.0004	0.2	5226.08
Cr 267.716	205.825b	ppb	1.0664	0.5	6365.64
Cu 324.754	272.253b	ppb	0.4548	0.2	14374.8
Fe 271.441	4859.07b	ppb	7.1727	0.1	8135.92
K 766.491	25519.1b	ppb	67.1312	0.3	810613
Mg 279.078	95463.8b	ppb	92.0328	0.1	190454
Mn 257.610	1493.27b	ppb	1.1989	0.1	346818
Mo 202.032	508.113b	ppb	0.7820	0.2	3626.80
Na 330.237	535906xb	ppb	1105.67	0.2	23415.5
Ni 231.604	510.855b	ppb	1.3164	0.3	1307.63
Pb 220.353	495.318b	ppb	1.0711	0.2	870.929
Sb 206.834	506.008b	ppb	5.3221	1.1	491.069
Se 196.026	2146.22b	ppb	14.1118	0.7	1004.02
Sn 189.925	1007.04b	ppb	5.0943	0.5	727.409
Sr 216.596	1810.33b	ppb	5.2823	0.3	17408.6
Ti 334.941	982.718b	ppb	1.7459	0.2	251108
Tl 190.794	1958.08b	ppb	2.5641	0.1	1867.20
V 292.401	501.407b	ppb	1.1817	0.2	13182.9
Zn 206.200	521.120b	ppb	1.6778	0.3	673.659

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640-43129-d-1-e ms (Samp) 4/18/2013, 2:30:46 AM Rack 3, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	32.9161	32.8233	32.9534
Al 308.215	5568.60	5574.93	5615.60
As 188.980	100.987	106.410	118.432
B 249.678	517.034	518.088	518.854
Ba 389.178	456.753	456.148	454.793
Be 313.042	53.3682	53.3323	53.3411
Ca 370.602	228368	227794	229153
Cd 226.502	52.6471	53.0880	53.0720
Co 228.615	52.1436	52.6789	52.7543
Cr 267.716	105.082	104.805	105.132
Cu 324.754	109.235	109.359	108.202
Fe 271.441	8429.06	8424.73	8411.49
K 766.491	25372.6	25247.4	25193.3
Mg 279.078	95947.0	96036.6	96157.4
Mn 257.610	1549.13	1549.07	1548.65
Mo 202.032	99.6891	101.173	101.304
Na 330.237	532752x	530803x	529778x
Ni 231.604	104.698	104.837	101.686
Pb 220.353	52.9238	58.1979	48.7040
Sb 206.834	56.8647	53.4113	46.4883
Se 196.026	111.333	110.786	104.865
Sn 189.925	194.464	194.878	190.192
Sr 216.596	1412.41	1410.62	1416.13
Ti 334.941	98.4402	98.3319	98.2852
Tl 190.794	41.4824	33.9985	37.2672
V 292.401	101.974	102.240	102.062
Zn 206.200	103.663	105.341	102.514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.8976b	ppb	0.0670	0.2	2445.12
Al 308.215	5586.38b	ppb	25.5085	0.5	12278.1
As 188.980	108.610b	ppb	8.9283	8.2	58.3377
B 249.678	517.992b	ppb	0.9141	0.2	6175.48
Ba 389.178	455.898b	ppb	1.0036	0.2	10044.2
Be 313.042	53.3472b	ppb	0.0187	0.0	93381.3
Ca 370.602	228438b	ppb	682.3	0.3	625259
Cd 226.502	52.9357b	ppb	0.2501	0.5	1855.35
Co 228.615	52.5256b	ppb	0.3329	0.6	520.558
Cr 267.716	105.006b	ppb	0.1764	0.2	3258.29
Cu 324.754	108.932b	ppb	0.6350	0.6	5878.12
Fe 271.441	8421.76b	ppb	9.1518	0.1	13883.7
K 766.491	25271.1b	ppb	91.9469	0.4	802740
Mg 279.078	96047.0b	ppb	105.596	0.1	191617
Mn 257.610	1548.95b	ppb	0.2631	0.0	359727
Mo 202.032	100.722b	ppb	0.8969	0.9	735.787
Na 330.237	531111xb	ppb	1510.68	0.3	23213.9
Ni 231.604	103.740b	ppb	1.7805	1.7	262.064
Pb 220.353	53.2752b	ppb	4.7567	8.9	118.809
Sb 206.834	52.2548b	ppb	5.2840	10.1	48.7965
Se 196.026	108.995b	ppb	3.5866	3.3	61.1845
Sn 189.925	193.178b	ppb	2.5945	1.3	135.600
Sr 216.596	1413.05b	ppb	2.8150	0.2	13619.4
Ti 334.941	98.3524b	ppb	0.0795	0.1	25534.9
Tl 190.794	37.5827b	ppb	3.7519	10.0	21.1466
V 292.401	102.092b	ppb	0.1354	0.1	2690.23
Zn 206.200	103.839b	ppb	1.4220	1.4	137.266

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-d-1-f msd (Samp) 4/18/2013, 2:36:23 AM Rack 3, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.6341	13.1583	12.6781
Al 308.215	5632.53	5614.46	5644.06
As 188.980	112.893	119.496	115.895
B 249.678	499.820	500.860	504.243
Ba 389.178	408.689	407.667	406.726
Be 313.042	53.2598	53.2267	53.1445
Ca 370.602	225140	222564	225074
Cd 226.502	52.7853	53.2260	53.1689
Co 228.615	52.2442	51.8258	53.1485
Cr 267.716	105.502	104.950	105.809
Cu 324.754	110.173	109.515	108.706
Fe 271.441	8402.81	8416.10	8397.65
K 766.491	24648.8	24606.1	24542.8
Mg 279.078	93880.4	93993.6	94035.6
Mn 257.610	1531.43	1534.96	1532.81
Mo 202.032	100.055	99.7724	99.7937
Na 330.237	516012x	515655x	514709x
Ni 231.604	102.839	104.594	103.901
Pb 220.353	52.3252	55.3187	49.3188
Sb 206.834	54.7975	58.6363	51.6135
Se 196.026	109.131	112.319	107.686
Sn 189.925	192.013	199.723	193.286
Sr 216.596	1380.25	1384.28	1386.27
Ti 334.941	98.0892	97.8992	97.9182
Tl 190.794	34.6770	35.3816	42.5386
V 292.401	101.725	101.652	101.554
Zn 206.200	104.609	105.740	105.020

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.8235b	ppb	0.2908	2.3	934.562
Al 308.215	5630.35b	ppb	14.9190	0.3	12374.8
As 188.980	116.095b	ppb	3.3061	2.8	62.8553
B 249.678	501.641b	ppb	2.3125	0.5	5986.35
Ba 389.178	407.694b	ppb	0.9819	0.2	9004.99
Be 313.042	53.2104b	ppb	0.0594	0.1	93143.6
Ca 370.602	224259b	ppb	1469	0.7	613812
Cd 226.502	53.0600b	ppb	0.2397	0.5	1859.57
Co 228.615	52.4062b	ppb	0.6761	1.3	519.380
Cr 267.716	105.420b	ppb	0.4352	0.4	3270.86
Cu 324.754	109.465b	ppb	0.7349	0.7	5905.79
Fe 271.441	8405.52b	ppb	9.5206	0.1	13857.1
K 766.491	24599.2b	ppb	53.3793	0.2	781411
Mg 279.078	93969.9b	ppb	80.2863	0.1	187473
Mn 257.610	1533.06b	ppb	1.7803	0.1	356036
Mo 202.032	99.8737b	ppb	0.1573	0.2	729.767
Na 330.237	515459xb	ppb	673.305	0.1	22531.4
Ni 231.604	103.778b	ppb	0.8838	0.9	262.161
Pb 220.353	52.3209b	ppb	2.9999	5.7	117.180
Sb 206.834	55.0158b	ppb	3.5165	6.4	51.5171
Se 196.026	109.712b	ppb	2.3707	2.2	61.5130
Sn 189.925	195.007b	ppb	4.1335	2.1	136.924
Sr 216.596	1383.60b	ppb	3.0669	0.2	13336.6
Ti 334.941	97.9689b	ppb	0.1046	0.1	25429.4
Tl 190.794	37.5324b	ppb	4.3498	11.6	21.1217
V 292.401	101.644b	ppb	0.0856	0.1	2678.62
Zn 206.200	105.123b	ppb	0.5726	0.5	138.919

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

640-43129-d-2-b (Samp) 4/18/2013, 2:42:00 AM Rack 3, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7656u	-0.6514u	-0.6150u
Al 308.215	14.8928	21.1788	12.4504
As 188.980	-5.5608u	-7.2095u	2.8667
B 249.678	329.073	331.094	332.880
Ba 389.178	556.539	558.164	558.083
Be 313.042	-0.4101u	-0.3964u	-0.3495u
Ca 370.602	189968	190054	190501
Cd 226.502	-0.1946u	-0.0971u	-0.1701u
Co 228.615	-0.7164u	-0.4204u	-0.3663u
Cr 267.716	-0.0676	-0.0067	0.2892
Cu 324.754	0.3072	0.4571	0.4727
Fe 271.441	76.6276	96.0504	94.9467
K 766.491	16713.8	16932.5	17300.7
Mg 279.078	112980	113326	113744
Mn 257.610	453.515	455.695	457.949
Mo 202.032	0.0405	-0.6658u	-0.1492u
Na 330.237	328303x	332661x	328600x
Ni 231.604	1.9778	2.0357	2.4467
Pb 220.353	2.3701	2.3145	2.8796
Sb 206.834	5.7740	-4.3343u	1.8434
Se 196.026	3.9966	9.2041	1.1123
Sn 189.925	-2.6261u	-3.8399u	-4.5667u
Sr 216.596	1429.62	1431.03	1442.25
Ti 334.941	-1.6336	-1.5673	-1.5134
Tl 190.794	-5.2742u	-5.7266u	2.8370
V 292.401	-0.5302u	-0.1091u	0.0416
Zn 206.200	1.4412	0.5944	-0.9998u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6774b	ppb	0.0786	11.6	-90.5657
Al 308.215	16.1740b	ppb	4.5030	27.8	11.4258
As 188.980	-3.3012b	ppb	5.4048	163.7	-10.0007
B 249.678	331.016b	ppb	1.9046	0.6	4022.07
Ba 389.178	557.595b	ppb	0.9155	0.2	12255.8
Be 313.042	-0.3853b	ppb	0.0318	8.3	-34.7715
Ca 370.602	190175b	ppb	286.2	0.2	520982
Cd 226.502	-0.1539b	ppb	0.0507	33.0	38.0050
Co 228.615	-0.5010b	ppb	0.1884	37.6	-6.8129
Cr 267.716	0.0716b	ppb	0.1909	266.5	16.3542
Cu 324.754	0.4124b	ppb	0.0914	22.2	232.300
Fe 271.441	89.2082b	ppb	10.9091	12.2	260.027
K 766.491	16982.4b	ppb	296.590	1.7	539601
Mg 279.078	113350b	ppb	382.516	0.3	226152
Mn 257.610	455.720b	ppb	2.2173	0.5	106626
Mo 202.032	-0.2582b	ppb	0.3655	141.6	19.6485
Na 330.237	329855xb	ppb	2434.85	0.7	14440.5
Ni 231.604	2.1534b	ppb	0.2557	11.9	0.9747
Pb 220.353	2.5214b	ppb	0.3115	12.4	32.3194
Sb 206.834	1.0944b	ppb	5.0956	465.6	-1.8947
Se 196.026	4.7710b	ppb	4.1011	86.0	12.7031
Sn 189.925	-3.6776b	ppb	0.9805	26.7	-7.6191
Sr 216.596	1434.30b	ppb	6.9184	0.5	13821.4
Ti 334.941	-1.5714b	ppb	0.0602	3.8	130.010
Tl 190.794	-2.7213b	ppb	4.8189	177.1	-15.6653
V 292.401	-0.1993b	ppb	0.2964	148.7	10.0015
Zn 206.200	0.3453b	ppb	1.2394	239.8	144349

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640-43129-d-3-b (Samp) 4/18/2013, 2:47:36 AM Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8596u	-1.1367u	-1.0181u
Al 308.215	3.4010	-4.3005u	1.5033
As 188.980	-7.5446u	-1.7336	-7.9805u
B 249.678	2005.72	2014.22	2017.32
Ba 389.178	185.364	185.008	183.309
Be 313.042	-0.4963u	-0.5060u	-0.4923u
Ca 370.602	141506	141091	140822
Cd 226.502	-0.2146u	-0.4109u	-0.4057u
Co 228.615	-0.1263u	0.1534	-0.9620u
Cr 267.716	-1.4324u	-1.6500u	-1.5996u
Cu 324.754	-0.3005u	-0.7797u	-0.2585u
Fe 271.441	62.0591	59.8293	55.2788
K 766.491	102806x	102576x	102053x
Mg 279.078	226089	226011	225748
Mn 257.610	376.415	376.315	375.707
Mo 202.032	-0.4526u	-0.9405u	-1.1237u
Na 330.237	1760674x	1748484x	1763142x
Ni 231.604	0.8765	0.8917	1.3687
Pb 220.353	3.9746	4.1547	7.4394
Sb 206.834	4.0710	-7.3154u	4.7170
Se 196.026	-2.1674u	2.2076	4.6149
Sn 189.925	-2.7078u	-1.1960u	-9.5750u
Sr 216.596	1396.16	1390.16	1389.15
Ti 334.941	-3.5190u	-3.5907u	-3.5598u
Tl 190.794	-4.3834u	-5.3885u	-3.5957u
V 292.401	-0.4571u	-0.8194u	-0.7903u
Zn 206.200	-0.4189u	1.6269	-0.7200u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0048b	ppb	0.1390	13.8	-115.367
Al 308.215	0.2013b	ppb	4.0125	1993.7	-23.7730
As 188.980	-5.7529b	ppb	3.4876	60.6	-11.9125
B 249.678	2012.42b	ppb	6.0061	0.3	23473.5
Ba 389.178	184.560b	ppb	1.0979	0.6	4524.22
Be 313.042	-0.4982b	ppb	0.0070	1.4	-397.041
Ca 370.602	141140b	ppb	344.8	0.2	386657
Cd 226.502	-0.3437b	ppb	0.1119	32.6	26.0109
Co 228.615	-0.3116b	ppb	0.5803	186.2	-4.8655
Cr 267.716	-1.5607b	ppb	0.1139	7.3	-18.9628
Cu 324.754	-0.4462b	ppb	0.2896	64.9	187.643
Fe 271.441	59.0557b	ppb	3.4557	5.9	210.805
K 766.491	102478xb	ppb	386.148	0.4	3253806
Mg 279.078	225949b	ppb	178.697	0.1	450779
Mn 257.610	376.146b	ppb	0.3833	0.1	88841.9
Mo 202.032	-0.8390b	ppb	0.3469	41.4	15.5291
Na 330.237	1757433xb	ppb	7847.50	0.4	76697.8
Ni 231.604	1.0456b	ppb	0.2799	26.8	-1.8713
Pb 220.353	5.1896b	ppb	1.9505	37.6	36.8507
Sb 206.834	0.4908b	ppb	6.7681	1378.9	-2.4914
Se 196.026	1.5517b	ppb	3.4384	221.6	11.1954
Sn 189.925	-4.4929b	ppb	4.4657	99.4	-7.8167
Sr 216.596	1391.82b	ppb	3.7860	0.3	13409.5
Ti 334.941	-3.5565b	ppb	0.0360	1.0	-10.7199
Tl 190.794	-4.4559b	ppb	0.8986	20.2	-17.2222
V 292.401	-0.6889b	ppb	0.2013	29.2	-11.5965
Zn 206.200	0.1627b	ppb	1.2770	785.1	-4.2029

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640-43129-d-4-b (Samp) 4/18/2013, 2:53:13 AM Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9910u	-1.3108u	-1.2666u
Al 308.215	6.2202	2.1172	7.7910
As 188.980	-14.1788u	-0.6013	-0.4184
B 249.678	2123.80	2124.07	2136.02
Ba 389.178	251.044	250.779	250.844
Be 313.042	-0.4835u	-0.4944u	-0.4957u
Ca 370.602	162029	161708	161353
Cd 226.502	-0.3255u	-0.2871u	-0.4671u
Co 228.615	0.3150	0.4360	0.1759
Cr 267.716	-1.7142u	-1.5911u	-1.9250u
Cu 324.754	-0.4532u	-0.2483u	-0.4955u
Fe 271.441	64.7343	71.9932	57.3339
K 766.491	106983x	106604x	106268x
Mg 279.078	251813	251296	251327
Mn 257.610	260.738	260.249	260.670
Mo 202.032	-0.5440u	-1.0345u	-1.3611u
Na 330.237	2032876x	2023212x	2029954x
Ni 231.604	-1.1525u	1.3340	1.5328
Pb 220.353	4.6403	1.8503	8.7271
Sb 206.834	0.8680	-1.1373u	-3.0781u
Se 196.026	-2.3131u	7.5086	2.9857
Sn 189.925	-3.4838u	-4.5807u	-6.1236u
Sr 216.596	1578.03	1571.90	1571.06
Ti 334.941	-3.9129u	-3.8976u	-3.9240u
Tl 190.794	-3.6345u	-2.4082u	-2.0369u
V 292.401	-0.2062u	-0.7950u	-0.8349u
Zn 206.200	0.6148	-1.6218u	-0.2914u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1895b	ppb	0.1733	14.6	-138.367
Al 308.215	5.3761b	ppb	2.9296	54.5	-12.3776
As 188.980	-5.0662b	ppb	7.8923	155.8	-11.3240
B 249.678	2127.96b	ppb	6.9795	0.3	24810.1
Ba 389.178	250.889b	ppb	0.1383	0.1	6008.69
Be 313.042	-0.4912b	ppb	0.0067	1.4	-406.438
Ca 370.602	161696b	ppb	338.2	0.2	442966
Cd 226.502	-0.3599b	ppb	0.0948	26.3	24.4837
Co 228.615	0.3089b	ppb	0.1302	42.1	1.3155
Cr 267.716	-1.7434b	ppb	0.1689	9.7	-22.0284
Cu 324.754	-0.3990b	ppb	0.1322	33.1	190.101
Fe 271.441	64.6871b	ppb	7.3297	11.3	220.064
K 766.491	106618xb	ppb	357.431	0.3	3385235
Mg 279.078	251479b	ppb	289.669	0.1	501710
Mn 257.610	260.552b	ppb	0.2651	0.1	62219.1
Mo 202.032	-0.9799b	ppb	0.4113	42.0	14.5287
Na 330.237	2028681xb	ppb	4956.41	0.2	88527.0
Ni 231.604	0.5714b	ppb	1.4963	261.9	-3.0892
Pb 220.353	5.0726b	ppb	3.4587	68.2	36.6256
Sb 206.834	-1.1158b	ppb	1.9732	176.8	-4.0757
Se 196.026	2.7270b	ppb	4.9160	180.3	11.7127
Sn 189.925	-4.7294b	ppb	1.3262	28.0	-7.9026
Sr 216.596	1573.66b	ppb	3.8035	0.2	15155.2
Ti 334.941	-3.9115b	ppb	0.0132	0.3	-14.6154
Tl 190.794	-2.6932b	ppb	0.8360	31.0	-15.3663
V 292.401	-0.6120b	ppb	0.3520	57.5	-11.2017
Zn 206.200	-0.4328b	ppb	1.1250	232.8	515.4375

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680-89241-c-1-b (Samp) 4/18/2013, 2:58:49 AM Rack 3, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6802u	-0.6600u	-0.7211u
Al 308.215	8.2913	6.4942	13.3740
As 188.980	-3.1584u	-1.0484u	3.3382
B 249.678	40.1543	36.9091	34.2992
Ba 389.178	163.420	163.963	164.334
Be 313.042	-0.5437u	-0.5587u	-0.5472u
Ca 370.602	58692	58551	58567
Cd 226.502	-0.3560u	-0.3511u	-0.5462u
Co 228.615	2.5763	2.5375	2.4029
Cr 267.716	1.6442	1.5123	1.2803
Cu 324.754	-1.1206u	-0.9854u	-0.8051u
Fe 271.441	179.315	183.712	186.913
K 766.491	8127.12	8122.73	8137.27
Mg 279.078	14782.4	14812.2	14896.2
Mn 257.610	13610.4	13586.3	13626.4
Mo 202.032	-0.8464u	-0.9356u	-0.8123u
Na 330.237	124933x	124953x	125811x
Ni 231.604	2.9244	3.0887	3.3256
Pb 220.353	1.3029	3.1676	5.1290
Sb 206.834	-2.8090u	-2.5575u	-4.5254u
Se 196.026	3.6563	-4.1634	8.4446
Sn 189.925	-4.2470u	-5.5212u	-0.1602u
Sr 216.596	517.437	512.991	514.182
Ti 334.941	-0.6204u	-0.6329u	-0.6793u
Tl 190.794	24.3718	25.1286	16.8485u
V 292.401	-1.1764u	-1.2402u	-1.5464u
Zn 206.200	1.9925	1.0639	2.0822

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6871b	ppb	0.0311	4.5	12.7123
Al 308.215	9.3865b	ppb	3.5683	38.0	-3.5485
As 188.980	-0.2895b	ppb	3.3141	1144.8	-9.2819
B 249.678	37.1209b	ppb	2.9333	7.9	622.041
Ba 389.178	163.906b	ppb	0.4600	0.3	3573.01
Be 313.042	-0.5499b	ppb	0.0078	1.4	-342.699
Ca 370.602	58603b	ppb	77.52	0.1	160870
Cd 226.502	-0.4178b	ppb	0.1113	26.6	29.1125
Co 228.615	2.5055b	ppb	0.0910	3.6	23.1286
Cr 267.716	1.4789b	ppb	0.1842	12.5	94.1396
Cu 324.754	-0.9704b	ppb	0.1583	16.3	160.435
Fe 271.441	183.313b	ppb	3.8148	2.1	414.260
K 766.491	8129.04b	ppb	7.4583	0.1	258539
Mg 279.078	14830.3b	ppb	59.0080	0.4	29413.3
Mn 257.610	13607.7b	ppb	20.1958	0.1	3151903
Mo 202.032	-0.8648b	ppb	0.0636	7.4	15.3403
Na 330.237	125232xb	ppb	501.466	0.4	5516.83
Ni 231.604	3.1129b	ppb	0.2017	6.5	3.4409
Pb 220.353	3.1999b	ppb	1.9133	59.8	36.3924
Sb 206.834	-3.2973b	ppb	1.0710	32.5	-6.2127
Se 196.026	2.6458b	ppb	6.3645	240.5	14.7658
Sn 189.925	-3.3094b	ppb	2.8008	84.6	-7.4598
Sr 216.596	514.870b	ppb	2.3014	0.4	4991.83
Ti 334.941	-0.6442b	ppb	0.0310	4.8	-23.1988
Tl 190.794	22.1163b	ppb	4.5777	20.7	-10.3461
V 292.401	-1.3210b	ppb	0.1978	15.0	-19.1688
Zn 206.200	1.7129b	ppb	0.5638	32.9	6.1957

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680-89241-c-2-b (Samp) 4/18/2013, 3:04:26 AM Rack 3, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6666u	-0.8103u	-0.7942u
Al 308.215	16.2430	8.0668	11.4473
As 188.980	-2.1020u	-3.0365u	-1.6523
B 249.678	23.8045	22.7365	22.6643
Ba 389.178	33.1683	32.0228	34.3674
Be 313.042	-0.5222u	-0.5198u	-0.4809u
Ca 370.602	121189	121103	121095
Cd 226.502	-0.4481u	-0.5718u	-0.6026u
Co 228.615	-0.5388u	0.3108	-0.2765u
Cr 267.716	1.8238	2.5029	2.3116
Cu 324.754	-0.5450u	-0.4147u	-0.3076u
Fe 271.441	15.4335	17.8860	27.0376
K 766.491	8179.20	8205.77	8235.77
Mg 279.078	32334.9	32362.4	32435.7
Mn 257.610	13093.1	13118.6	13114.7
Mo 202.032	-0.1051u	-0.6158u	-0.3573u
Na 330.237	75946.6	76410.8	76491.4
Ni 231.604	1.8027	2.4370	3.1371
Pb 220.353	1.9736	1.1706	1.1128
Sb 206.834	-4.2982u	-3.5348u	-4.0344u
Se 196.026	2.7919	10.9276	-0.9396
Sn 189.925	-5.7353u	-2.6876u	-1.6381u
Sr 216.596	646.978	648.514	649.647
Ti 334.941	-0.7069u	-0.7158u	-0.5392u
Tl 190.794	18.6263u	20.3929	17.7374u
V 292.401	-1.5482u	-1.3881u	-0.9264u
Zn 206.200	2.0041	1.8384	1.5176

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7570	ppb	0.0787	10.4	-1.2383
Al 308.215	11.9190	ppb	4.1085	34.5	2.0436
As 188.980	-2.2636	ppb	0.7061	31.2	-9.9515
B 249.678	23.0684	ppb	0.6385	2.8	459.665
Ba 389.178	33.1862	ppb	1.1724	3.5	810.803
Be 313.042	-0.5076	ppb	0.0232	4.6	-244.465
Ca 370.602	121129	ppb	52.02	0.0	332150
Cd 226.502	-0.5408	ppb	0.0818	15.1	25.0105
Co 228.615	-0.1682	ppb	0.4350	258.7	-3.4973
Cr 267.716	2.2128	ppb	0.3502	15.8	114.845
Cu 324.754	-0.4224	ppb	0.1189	28.1	188.880
Fe 271.441	20.1190	ppb	6.1159	30.4	147.240
K 766.491	8206.91	ppb	28.3028	0.3	261011
Mg 279.078	32377.7	ppb	52.1316	0.2	64426.4
Mn 257.610	13108.8	ppb	13.7553	0.1	3036465
Mo 202.032	-0.3594	ppb	0.2553	71.0	18.9351
Na 330.237	76282.9	ppb	294.048	0.4	3382.16
Ni 231.604	2.4589	ppb	0.6674	27.1	1.7579
Pb 220.353	1.4190	ppb	0.4812	33.9	33.2473
Sb 206.834	-3.9558	ppb	0.3877	9.8	-6.8651
Se 196.026	4.2600	ppb	6.0683	142.4	15.3976
Sn 189.925	-3.3537	ppb	2.1282	63.5	-7.4827
Sr 216.596	648.380	ppb	1.3394	0.2	6277.93
Ti 334.941	-0.6540	ppb	0.0995	15.2	49.2157
Tl 190.794	18.9189	ppb	1.3517	7.1	-12.7097
V 292.401	-1.2876	ppb	0.3229	25.1	-17.8185
Zn 206.200	1.7867	ppb	0.2473	13.8	6.2897

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Cont Calib Verif (CCV) 4/18/2013, 3:10:03 AM Rack 3, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	489.640	488.949	492.498
Al 308.215	4878.33	4911.41	4887.82
As 188.980	477.142	487.938	497.230
B 249.678	512.996	518.149	524.748
Ba 389.178	5023.23	5048.17	5068.86
Be 313.042	515.530	517.586	520.050
Ca 370.602	4973	5069	5172
Cd 226.502	515.455	516.338	519.717
Co 228.615	519.046	520.249	524.160
Cr 267.716	5169.22	5199.42	5182.38
Cu 324.754	5193.44	5212.22	5220.89
Fe 271.441	4953.51	4975.84	4995.69
K 766.491	9757.55	9820.03	9895.20
Mg 279.078	5022.28	5080.38	5143.35
Mn 257.610	5229.66	5262.36	5292.46
Mo 202.032	489.453	491.642	493.412
Na 330.237	7594.28	7528.67	7816.72
Ni 231.604	2613.86	2623.84	2626.49
Pb 220.353	496.079	500.751	502.537
Sb 206.834	935.144	934.993	934.868
Se 196.026	5010.91	5015.14	5048.87
Sn 189.925	4963.48	4967.13	5040.55
Sr 216.596	2516.00	2528.65	2533.03
Ti 334.941	488.458	491.115	492.292
Tl 190.794	4988.53	5004.29	5023.65
V 292.401	4935.66	4955.68	4991.27
Zn 206.200	2599.76	2616.43	2629.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.362	ppb	1.8815	0.4	36906.8	98.07244
Al 308.215	4892.52	ppb	17.0346	0.3	10737.1	97.85037
As 188.980	487.437	ppb	10.0535	2.1	286.983	97.48737
B 249.678	518.631	ppb	5.8907	1.1	6186.75	20.74524Q
Ba 389.178	5046.75	ppb	22.8439	0.5	108316	100.93507
Be 313.042	517.722	ppb	2.2632	0.4	900694	103.54436
Ca 370.602	5071	ppb	99.53	2.0	13802	101.42328
Cd 226.502	517.170	ppb	2.2497	0.4	17589.5	103.43398
Co 228.615	521.152	ppb	2.6737	0.5	5196.62	104.23036
Cr 267.716	5183.67	ppb	15.1416	0.3	159861	103.67345
Cu 324.754	5208.85	ppb	14.0321	0.3	270959	104.17700
Fe 271.441	4975.01	ppb	21.1035	0.4	8365.62	99.50027
K 766.491	9824.26	ppb	68.9198	0.7	312356	98.24261
Mg 279.078	5082.00	ppb	60.5509	1.2	10092.4	101.64009
Mn 257.610	5261.50	ppb	31.4079	0.6	1218973	105.22992
Mo 202.032	491.502	ppb	1.9831	0.4	3500.68	98.30049
Na 330.237	7646.56	ppb	150.973	2.0	367.931	101.95413
Ni 231.604	2621.40	ppb	6.6614	0.3	6728.41	104.85585
Pb 220.353	499.789	ppb	3.3351	0.7	879.669	99.95777
Sb 206.834	935.002	ppb	0.1385	0.0	966.424	93.50016
Se 196.026	5024.97	ppb	20.8049	0.4	2337.22	100.49948
Sn 189.925	4990.39	ppb	43.4832	0.9	3623.73	99.80775
Sr 216.596	2525.89	ppb	8.8461	0.4	24219.2	101.03574
Ti 334.941	490.622	ppb	1.9641	0.4	125254	98.12431
Tl 190.794	5005.49	ppb	17.5879	0.4	4792.49	100.10977
V 292.401	4960.87	ppb	28.1635	0.6	130836	99.21736
Zn 206.200	2615.27	ppb	14.9621	0.6	3354.23	104.61069

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/18/2013, 3:15:40 AM Rack 3, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0959u	-0.0241u	-0.5127u
Al 308.215	-0.8954u	-0.3209u	3.7012
As 188.980	-1.9263u	0.1471	3.4224
B 249.678	6.9464	5.7107	5.6441
Ba 389.178	-1.5222u	0.5963	2.3034
Be 313.042	-0.4411u	-0.3714u	-0.1605u
Ca 370.602	5.701	15.25	49.82
Cd 226.502	-0.1524u	-0.3003u	-0.1603u
Co 228.615	0.1526	0.0975	-0.1936u
Cr 267.716	-0.2510u	0.6006	2.4082
Cu 324.754	0.2674	0.1788	1.7136
Fe 271.441	-14.6377u	-13.0531u	-14.2556u
K 766.491	-1.6251u	-0.0083u	6.7357
Mg 279.078	7.3485	13.6302	32.6095
Mn 257.610	0.5440	1.8012	6.4544
Mo 202.032	-0.0498u	-0.8023u	-0.2567u
Na 330.237	-6.8621u	202.128	232.993
Ni 231.604	-2.3438u	-1.1384u	0.6312
Pb 220.353	1.3016	4.3595	1.5534
Sb 206.834	5.0552	3.6408	4.4600
Se 196.026	1.9875	3.1564	6.5361
Sn 189.925	-5.5723u	-3.1842u	0.3478
Sr 216.596	-2.2872u	-1.3050u	-0.1867u
Ti 334.941	-0.4304u	-0.3228u	-0.1328u
Tl 190.794	5.4755	-0.2092u	5.8181
V 292.401	0.0499	0.8442	2.8669
Zn 206.200	-1.9346u	-2.0699u	0.0462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2109	ppb	0.2638	125.1	9.4096	-0.21094
Al 308.215	0.8283	ppb	2.5045	302.4	-22.3818	0.82831
As 188.980	0.5477	ppb	2.6968	492.3	-9.2658	0.54774
B 249.678	6.1004	ppb	0.7334	12.0	263.391	6.10041
Ba 389.178	0.4591	ppb	1.9165	417.4	31.1199	0.45915
Be 313.042	-0.3243	ppb	0.1461	45.0	47.1428	-0.32435
Ca 370.602	23.59	ppb	23.21	98.4	82.80	23.58836
Cd 226.502	-0.2043	ppb	0.0832	40.7	36.3430	-0.20435
Co 228.615	0.0188	ppb	0.1860	987.1	-1.6426	0.01884
Cr 267.716	0.9193	ppb	1.3579	147.7	37.6969	0.91928
Cu 324.754	0.7199	ppb	0.8617	119.7	248.235	0.71993
Fe 271.441	-13.9821	ppb	0.8269	5.9	91.4875	-13.98213
K 766.491	1.7008	ppb	4.4346	260.7	523.698	1.70078
Mg 279.078	17.8627	ppb	13.1516	73.6	70.2058	17.86271
Mn 257.610	2.9332	ppb	3.1136	106.1	1107.00	2.93319
Mo 202.032	-0.3696	ppb	0.3887	105.2	18.8596	-0.36962
Na 330.237	142.753	ppb	130.486	91.4	61.6906	142.75298
Ni 231.604	-0.9503	ppb	1.4964	157.5	-6.9991	-0.95034
Pb 220.353	2.4048	ppb	1.6975	70.6	32.0204	2.40484
Sb 206.834	4.3854	ppb	0.7102	16.2	1.3573	4.38536
Se 196.026	3.8933	ppb	2.3622	60.7	12.1915	3.89331
Sn 189.925	-2.8029	ppb	2.9784	106.3	-7.1494	-2.80289
Sr 216.596	-1.2596	ppb	1.0510	83.4	36.6507	-1.25964
Ti 334.941	-0.2954	ppb	0.1507	51.0	13.9222	-0.29535
Tl 190.794	3.6948	ppb	3.3853	91.6	-8.8511	3.69481
V 292.401	1.2537	ppb	1.4525	115.9	49.4622	1.25366
Zn 206.200	-1.3195	ppb	1.1846	89.8	2.2918	-1.31945

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89241-c-3-b (Samp) 4/18/2013, 3:21:17 AM Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8969u	-0.7422u	-0.6978u
Al 308.215	6.8511	9.0795	10.6832
As 188.980	-8.4208u	-0.3689	-4.4566u
B 249.678	15.4399	16.0737	15.8936
Ba 389.178	321.094	319.159	322.132
Be 313.042	-0.4829u	-0.4994u	-0.4936u
Ca 370.602	117323	117335	117418
Cd 226.502	-0.6949u	-0.5642u	-0.5988u
Co 228.615	-0.5839u	-0.8705u	-0.2155u
Cr 267.716	1.8009	1.7719	1.3817
Cu 324.754	-0.8468u	-0.9033u	-0.9203u
Fe 271.441	51.7986	56.8050	62.9326
K 766.491	10645.6	10660.1	10689.2
Mg 279.078	34207.2	34228.1	34237.0
Mn 257.610	13325.6	13331.1	13382.3
Mo 202.032	-0.7937u	-1.0454u	-0.2706u
Na 330.237	77294.6	77156.2	77449.7
Ni 231.604	3.1486	3.4921	1.0266
Pb 220.353	1.5791	2.2578	0.7529
Sb 206.834	2.5794	3.0977	-5.2739u
Se 196.026	-4.7352	1.2508	2.4733
Sn 189.925	-3.0300u	-8.8615u	-6.4732u
Sr 216.596	924.264	926.077	923.485
Ti 334.941	-0.4217	-0.3897	-0.4476
Tl 190.794	22.1607	21.4124	14.3405u
V 292.401	0.2852	0.0351	0.5868
Zn 206.200	3.7918	3.1193	3.2330

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7790	ppb	0.1046	13.4	-14.1596
Al 308.215	8.8713	ppb	1.9245	21.7	-4.6999
As 188.980	-4.4154	ppb	4.0261	91.2	-11.2935
B 249.678	15.8024	ppb	0.3266	2.1	375.571
Ba 389.178	320.795	ppb	1.5091	0.5	6985.04
Be 313.042	-0.4920	ppb	0.0084	1.7	-218.883
Ca 370.602	117359	ppb	51.90	0.0	321825
Cd 226.502	-0.6193	ppb	0.0677	10.9	22.4458
Co 228.615	-0.5566	ppb	0.3284	59.0	-7.3477
Cr 267.716	1.6515	ppb	0.2341	14.2	98.2026
Cu 324.754	-0.8901	ppb	0.0385	4.3	164.548
Fe 271.441	57.1788	ppb	5.5764	9.8	207.694
K 766.491	10665.0	ppb	22.2124	0.2	339046
Mg 279.078	34224.1	ppb	15.2990	0.0	68106.3
Mn 257.610	13346.3	ppb	31.2588	0.2	3091484
Mo 202.032	-0.7032	ppb	0.3952	56.2	16.4900
Na 330.237	77300.2	ppb	146.809	0.2	3426.51
Ni 231.604	2.5558	ppb	1.3354	52.2	2.0074
Pb 220.353	1.5299	ppb	0.7536	49.3	33.4900
Sb 206.834	0.1344	ppb	4.6909	3489.9	-2.8353
Se 196.026	-0.3370	ppb	3.8577	1144.6	13.3253
Sn 189.925	-6.1216	ppb	2.9316	47.9	-9.4965
Sr 216.596	924.609	ppb	1.3301	0.1	8926.68
Ti 334.941	-0.4197	ppb	0.0290	6.9	116.367
Tl 190.794	19.3045	ppb	4.3152	22.4	-12.6768
V 292.401	0.3024	ppb	0.2763	91.4	24.3613
Zn 206.200	3.3814	ppb	0.3599	10.6	8.3415

680-89241-c-4-b (Samp) 4/18/2013, 3:26:54 AM Rack 3, Tube 40
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1010u	-0.9241u	-0.7741u
Al 308.215	9.1570	9.4345	5.2865
As 188.980	-7.1445u	-4.9284u	4.2358
B 249.678	8.1779	7.5567	7.6838
Ba 389.178	80.4804	81.5238	79.8255
Be 313.042	-0.5269u	-0.5368u	-0.5329u
Ca 370.602	135052	135038	134860
Cd 226.502	-0.2235u	-0.4193u	-0.8107u
Co 228.615	0.2061	-0.2693u	-0.2846u
Cr 267.716	1.6504	1.7471	2.2167
Cu 324.754	-0.6954u	-0.6157u	-0.8128u
Fe 271.441	17.3382	18.5964	17.8360
K 766.491	9040.66	9070.73	9051.76
Mg 279.078	36246.3	36275.6	36173.6
Mn 257.610	15500.8	15475.5	15451.6
Mo 202.032	0.3414	1.0520	0.4993
Na 330.237	81569.3	81519.8	81260.6
Ni 231.604	4.2223	2.5227	2.2354
Pb 220.353	-3.3016u	0.6005	4.2473
Sb 206.834	-1.5352u	-0.4165u	-7.3867u
Se 196.026	-1.8655	-6.9311	1.7072
Sn 189.925	-1.1998u	-3.3015u	-4.8412u
Sr 216.596	774.981	775.089	772.183
Ti 334.941	-0.7291u	-0.7817u	-0.7405u
Tl 190.794	19.5328u	26.5358	28.2994
V 292.401	-1.7402u	-1.3304u	-1.8586u
Zn 206.200	-2.0600u	-1.3751u	-1.0075u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9331	ppb	0.1637	17.5	-9.5322
Al 308.215	7.9593	ppb	2.3189	29.1	-6.6235
As 188.980	-2.6123	ppb	6.0333	231.0	-10.0457
B 249.678	7.8061	ppb	0.3281	4.2	283.109
Ba 389.178	80.6099	ppb	0.8565	1.1	1837.31
Be 313.042	-0.5322	ppb	0.0050	0.9	-284.089
Ca 370.602	134983	ppb	106.9	0.1	370159
Cd 226.502	-0.4845	ppb	0.2990	61.7	26.9348
Co 228.615	-0.1159	ppb	0.2790	240.7	-3.0047
Cr 267.716	1.8714	ppb	0.3029	16.2	110.953
Cu 324.754	-0.7080	ppb	0.0992	14.0	174.067
Fe 271.441	17.9235	ppb	0.6336	3.5	143.602
K 766.491	9054.38	ppb	15.2078	0.2	287915
Mg 279.078	36231.8	ppb	52.5184	0.1	72079.1
Mn 257.610	15476.0	ppb	24.6318	0.2	3584692
Mo 202.032	0.6309	ppb	0.3731	59.1	25.9649
Na 330.237	81449.9	ppb	165.804	0.2	3607.52
Ni 231.604	2.9935	ppb	1.0738	35.9	3.1308
Pb 220.353	0.5154	ppb	3.7752	732.5	32.2316
Sb 206.834	-3.1128	ppb	3.7434	120.3	-6.0513
Se 196.026	-2.3631	ppb	4.3406	183.7	12.8810
Sn 189.925	-3.1142	ppb	1.8279	58.7	-7.3018
Sr 216.596	774.084	ppb	1.6475	0.2	7484.71
Ti 334.941	-0.7504	ppb	0.0277	3.7	39.8544
Tl 190.794	24.7893	ppb	4.6369	18.7	-10.4092
V 292.401	-1.6431	ppb	0.2772	16.9	-27.3703
Zn 206.200	-1.4808	ppb	0.5342	36.1	-2.0882

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680-89241-c-5-b (Samp) 4/18/2013, 3:32:31 AM Rack 3, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4764	-0.7965	-0.3657
Al 308.215	23.2141	16.4749	22.3130
As 188.980	-6.3411u	-3.8972u	-2.0463
B 249.678	15.3608	16.0653	14.7746
Ba 389.178	321.207	321.096	323.594
Be 313.042	-0.5638u	-0.5631u	-0.5606u
Ca 370.602	167617	167428	167291
Cd 226.502	-0.5541u	-0.5870u	-0.5911u
Co 228.615	1.1943	0.1360	0.2649
Cr 267.716	4.7954	4.5088	4.5497
Cu 324.754	-0.9519u	-0.9485u	-0.8708u
Fe 271.441	42.4723	43.6292	40.6842
K 766.491	13783.4	13812.3	13803.9
Mg 279.078	54510.2	54512.2	54430.5
Mn 257.610	25488.6	25608.4	25444.8
Mo 202.032	2.5475	2.7430	2.5186
Na 330.237	141128x	141191x	141156x
Ni 231.604	5.4010	6.0941	5.5379
Pb 220.353	1.7766	2.1203	2.7294
Sb 206.834	0.4941	0.2762	3.9029
Se 196.026	5.4781	-1.7378	2.0944
Sn 189.925	-2.1097u	-3.5367u	-6.6999u
Sr 216.596	1050.84	1046.80	1045.63
Ti 334.941	-0.8248	-0.8724u	-0.9128u
Tl 190.794	45.4509	45.2016	43.3584
V 292.401	-1.5545u	-1.2314u	-1.4890u
Zn 206.200	5.8551	4.8771	6.3354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5462b	ppb	0.2237	41.0	53.0997
Al 308.215	20.6673b	ppb	3.6586	17.7	21.4510
As 188.980	-4.0948b	ppb	2.1542	52.6	-10.6754
B 249.678	15.4002b	ppb	0.6463	4.2	370.944
Ba 389.178	321.966b	ppb	1.4114	0.4	7058.65
Be 313.042	-0.5625b	ppb	0.0017	0.3	-335.990
Ca 370.602	167445b	ppb	164.1	0.1	459326
Cd 226.502	-0.5774b	ppb	0.0203	3.5	23.7581
Co 228.615	0.5317b	ppb	0.5774	108.6	3.3955
Cr 267.716	4.6180b	ppb	0.1550	3.4	224.190
Cu 324.754	-0.9237b	ppb	0.0459	5.0	162.912
Fe 271.441	42.2619b	ppb	1.4837	3.5	183.501
K 766.491	13799.9b	ppb	14.9056	0.1	438568
Mg 279.078	54484.3b	ppb	46.6166	0.1	108339
Mn 257.610	25513.9b	ppb	84.7078	0.3	5909477
Mo 202.032	2.6030b	ppb	0.1221	4.7	39.9613
Na 330.237	141158xb	ppb	31.6058	0.0	6211.38
Ni 231.604	5.6777b	ppb	0.3670	6.5	10.0255
Pb 220.353	2.2088b	ppb	0.4825	21.8	37.3405
Sb 206.834	1.5577b	ppb	2.0339	130.6	-1.4742
Se 196.026	1.9449b	ppb	3.6103	185.6	17.2001
Sn 189.925	-4.1154b	ppb	2.3492	57.1	-8.0006
Sr 216.596	1047.76b	ppb	2.7326	0.3	10112.2
Ti 334.941	-0.8700b	ppb	0.0441	5.1	79.6647
Tl 190.794	44.6703b	ppb	1.1429	2.6	-5.4620
V 292.401	-1.4250b	ppb	0.1708	12.0	-22.2230
Zn 206.200	5.6892b	ppb	0.7432	13.1	5153079

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680-89241-c-6-b (Samp) 4/18/2013, 3:38:08 AM Rack 3, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8519	-0.2724	-0.2732
Al 308.215	36.8289	35.4572	35.5994
As 188.980	0.2311	-0.6831	-0.5177
B 249.678	2.5831	1.4335	2.9917
Ba 389.178	185.617	184.676	184.887
Be 313.042	-0.4753u	-0.4702u	-0.4587u
Ca 370.602	99164	99062	99077
Cd 226.502	-0.1610	-0.4224u	-0.4389u
Co 228.615	8.2973	8.0516	7.9434
Cr 267.716	8.0976	8.0396	7.9130
Cu 324.754	-0.4524u	-0.4768u	-0.4646u
Fe 271.441	4856.98	4836.17	4847.44
K 766.491	20380.8	20392.7	20445.4
Mg 279.078	20094.0	20025.3	20049.8
Mn 257.610	38054.3x	37864.1x	37966.6x
Mo 202.032	5.7442	5.3986	5.1760
Na 330.237	121156x	120760x	120663x
Ni 231.604	3.7436	6.0492	6.6767
Pb 220.353	-0.2768	-0.8522	0.9970
Sb 206.834	1.9125	-1.5955u	0.6910
Se 196.026	2.5210	7.3610	5.1499
Sn 189.925	-5.4745u	-5.4845u	-6.5937u
Sr 216.596	616.597	617.350	615.512
Ti 334.941	2.8610	2.7771	2.7519
Tl 190.794	63.9071	63.7145	67.7795
V 292.401	1.9916	2.5221	2.5823
Zn 206.200	-0.3909u	-0.1813u	-0.9549u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4658b	ppb	0.3344	71.8	136.622
Al 308.215	35.9618b	ppb	0.7543	2.1	55.2324
As 188.980	-0.3232b	ppb	0.4871	150.7	-9.0051
B 249.678	2.3361b	ppb	0.8080	34.6	214.291
Ba 389.178	185.060b	ppb	0.4938	0.3	4045.02
Be 313.042	-0.4680b	ppb	0.0085	1.8	-194.786
Ca 370.602	99101b	ppb	54.79	0.1	272071
Cd 226.502	-0.3408b	ppb	0.1559	45.7	42.0870
Co 228.615	8.0974b	ppb	0.1813	2.2	78.5975
Cr 267.716	8.0167b	ppb	0.0944	1.2	364.090
Cu 324.754	-0.4646b	ppb	0.0122	2.6	188.296
Fe 271.441	4846.86b	ppb	10.4157	0.2	8035.00
K 766.491	20406.3b	ppb	34.4004	0.2	648299
Mg 279.078	20056.4b	ppb	34.8105	0.2	39470.0
Mn 257.610	37961.7xb	ppb	95.1725	0.3	8792043
Mo 202.032	5.4396b	ppb	0.2863	5.3	59.8523
Na 330.237	120860xb	ppb	261.305	0.2	5324.95
Ni 231.604	5.4898b	ppb	1.5445	28.1	9.6404
Pb 220.353	-0.0440b	ppb	0.9463	2150.3	36.2540
Sb 206.834	0.3360b	ppb	1.7807	529.9	-2.5988
Se 196.026	5.0106b	ppb	2.4230	48.4	21.4982
Sn 189.925	-5.8509b	ppb	0.6433	11.0	-9.2940
Sr 216.596	616.486b	ppb	0.9239	0.1	5971.55
Ti 334.941	2.7967b	ppb	0.0571	2.0	875.744
Tl 190.794	65.1337b	ppb	2.2933	3.5	-3.5847
V 292.401	2.3653b	ppb	0.3250	13.7	77.2718
Zn 206.200	-0.5090b	ppb	0.4901	78.6	3.3348

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89241-c-7-b (Samp) 4/18/2013, 3:43:45 AM Rack 3, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7011u	-0.9280u	-0.9717u
Al 308.215	5.4857	14.3895	11.5322
As 188.980	-1.5571	-5.2274u	-4.0359u
B 249.678	9.7714	10.5724	10.5514
Ba 389.178	529.899	529.938	530.092
Be 313.042	-0.5438u	-0.5515u	-0.5542u
Ca 370.602	141600	141528	141719
Cd 226.502	-0.6541u	-0.4916u	-0.5983u
Co 228.615	-0.7361u	-0.4111u	-0.8884u
Cr 267.716	2.2619	2.1378	2.0567
Cu 324.754	-1.1645u	-1.1445u	-0.6174u
Fe 271.441	201.057	214.394	201.501
K 766.491	12893.5	12910.2	12959.6
Mg 279.078	42828.8	42801.8	42935.8
Mn 257.610	16749.9	16711.8	16723.3
Mo 202.032	-1.6211u	-0.8104u	-0.7782u
Na 330.237	90713.9	90653.9	90647.2
Ni 231.604	5.6087	5.0439	3.9312
Pb 220.353	3.0691	-0.0770	-0.1593
Sb 206.834	2.5797	6.2299	-1.9272u
Se 196.026	6.3268	4.5991	-3.7607
Sn 189.925	-4.1134u	-3.3071u	-2.8174u
Sr 216.596	949.325	948.234	950.325
Ti 334.941	-0.7469u	-0.7233u	-0.6505
Tl 190.794	22.7600u	21.2119u	26.6818
V 292.401	-0.9847u	-0.9966u	-0.8328u
Zn 206.200	-1.0261u	-2.3376u	-1.3975u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8670	ppb	0.1453	16.8	-6.7313
Al 308.215	10.4691	ppb	4.5461	43.4	-1.1788
As 188.980	-3.6068	ppb	1.8724	51.9	-10.5948
B 249.678	10.2984	ppb	0.4565	4.4	311.732
Ba 389.178	529.976	ppb	0.1017	0.0	11493.3
Be 313.042	-0.5498	ppb	0.0054	1.0	-314.124
Ca 370.602	141616	ppb	96.57	0.1	388345
Cd 226.502	-0.5814	ppb	0.0826	14.2	24.0955
Co 228.615	-0.6785	ppb	0.2438	35.9	-8.5654
Cr 267.716	2.1522	ppb	0.1034	4.8	123.215
Cu 324.754	-0.9755	ppb	0.3103	31.8	160.167
Fe 271.441	205.651	ppb	7.5757	3.7	450.197
K 766.491	12921.1	ppb	34.3738	0.3	410671
Mg 279.078	42855.5	ppb	70.8485	0.2	85273.8
Mn 257.610	16728.3	ppb	19.5236	0.1	3874763
Mo 202.032	-1.0699	ppb	0.4776	44.6	13.8827
Na 330.237	90671.7	ppb	36.7229	0.0	4009.64
Ni 231.604	4.8612	ppb	0.8535	17.6	7.9318
Pb 220.353	0.9443	ppb	1.8407	194.9	33.2425
Sb 206.834	2.2941	ppb	4.0861	178.1	-0.7041
Se 196.026	2.3884	ppb	5.3949	225.9	15.3701
Sn 189.925	-3.4126	ppb	0.6544	19.2	-7.5136
Sr 216.596	949.294	ppb	1.0459	0.1	9165.72
Ti 334.941	-0.7069	ppb	0.0503	7.1	77.3624
Tl 190.794	23.5512	ppb	2.8194	12.0	-13.3744
V 292.401	-0.9381	ppb	0.0913	9.7	-8.4304
Zn 206.200	-1.5871	ppb	0.6760	42.6	-515.9515

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89241-c-8-b (Samp) 4/18/2013, 3:49:33 AM Rack 3, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7338u	-0.6323u	-0.7124u
Al 308.215	7.3834	14.0003	13.7488
As 188.980	-2.5845u	6.5346	2.4646
B 249.678	11.7445	12.2620	13.0102
Ba 389.178	269.490	268.234	269.340
Be 313.042	-0.5555u	-0.5548u	-0.5496u
Ca 370.602	110040	109969	110047
Cd 226.502	-0.6173u	-0.5142u	-0.4835u
Co 228.615	-0.0516u	0.5706	-0.0620u
Cr 267.716	3.0041	2.7641	2.8416
Cu 324.754	-1.1805u	-0.9987u	-1.1991u
Fe 271.441	181.924	174.943	185.229
K 766.491	20604.4	20676.1	20728.8
Mg 279.078	31425.0	31351.3	31453.6
Mn 257.610	18997.1	18945.4	18999.1
Mo 202.032	0.3212	0.0270	-0.2534u
Na 330.237	72844.1	73264.8	73431.4
Ni 231.604	5.1184	4.5800	4.9261
Pb 220.353	0.7725	0.3942	3.7660
Sb 206.834	0.5119	-0.2970u	0.0756
Se 196.026	-8.3122	-2.0598	-7.2971
Sn 189.925	-0.9476u	-5.5443u	-3.5560u
Sr 216.596	1151.02	1148.74	1151.34
Ti 334.941	0.1651	0.1172	0.1144
Tl 190.794	27.8103u	30.2080	28.3948
V 292.401	-1.1088u	-1.4457u	-1.4538u
Zn 206.200	0.6263	1.9179	-1.2620u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6928	ppb	0.0535	7.7	7.9526
Al 308.215	11.7108	ppb	3.7498	32.0	1.6130
As 188.980	2.1383	ppb	4.5683	213.6	-7.3646
B 249.678	12.3389	ppb	0.6363	5.2	335.382
Ba 389.178	269.021	ppb	0.6858	0.3	5867.69
Be 313.042	-0.5533	ppb	0.0032	0.6	-329.277
Ca 370.602	110019	ppb	43.17	0.0	301845
Cd 226.502	-0.5383	ppb	0.0701	13.0	25.4523
Co 228.615	0.1523	ppb	0.3623	237.8	-0.3002
Cr 267.716	2.8699	ppb	0.1225	4.3	151.421
Cu 324.754	-1.1261	ppb	0.1107	9.8	152.365
Fe 271.441	180.699	ppb	5.2512	2.9	409.630
K 766.491	20669.8	ppb	62.4687	0.3	656664
Mg 279.078	31410.0	ppb	52.7605	0.2	62406.8
Mn 257.610	18980.5	ppb	30.4265	0.2	4396280
Mo 202.032	0.0316	ppb	0.2873	909.9	21.7025
Na 330.237	73180.1	ppb	302.662	0.4	3246.81
Ni 231.604	4.8748	ppb	0.2728	5.6	7.9663
Pb 220.353	1.6442	ppb	1.8472	112.3	34.9325
Sb 206.834	0.0969	ppb	0.4048	418.0	-2.8799
Se 196.026	-5.8897	ppb	3.3554	57.0	12.0606
Sn 189.925	-3.3493	ppb	2.3053	68.8	-7.4844
Sr 216.596	1150.37	ppb	1.4152	0.1	11091.1
Ti 334.941	0.1322	ppb	0.0285	21.5	245.778
Tl 190.794	28.8044	ppb	1.2502	4.3	-11.5007
V 292.401	-1.3361	ppb	0.1969	14.7	-19.1796
Zn 206.200	0.4274	ppb	1.5993	274.2	-1.5416

680-89241-c-9-b (Samp) 4/18/2013, 3:55:11 AM Rack 3, Tube 45

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9291u	-0.6781	-0.7661u
Al 308.215	14.3103	12.9473	8.8423
As 188.980	-3.5557u	2.2344	0.2833
B 249.678	10.8773	10.6348	10.3575
Ba 389.178	519.003	519.833	520.140
Be 313.042	-0.5577u	-0.5663u	-0.5552u
Ca 370.602	97700	97536	97625
Cd 226.502	-0.4414u	-0.1706u	-0.4437u
Co 228.615	-0.4730u	-0.4360u	-0.5113u
Cr 267.716	3.3030	3.1535	2.7078
Cu 324.754	-1.0178u	-1.0856u	-1.0473u
Fe 271.441	49.3562	47.7076	47.2804
K 766.491	11293.8	11295.5	11331.1
Mg 279.078	31483.3	31431.7	31431.9
Mn 257.610	20124.5	20128.0	20132.7
Mo 202.032	-0.7309u	-1.0305u	-1.0275u
Na 330.237	127675x	127620x	127688x
Ni 231.604	7.9051	4.2060	5.4716
Pb 220.353	3.6757	-0.8707	1.0448
Sb 206.834	-0.0198u	5.2593	3.8686
Se 196.026	8.3928	-0.3199	-5.0997
Sn 189.925	-1.9975u	-5.2486u	-3.2728u
Sr 216.596	777.330	775.806	776.095
Ti 334.941	-0.7028u	-0.6625u	-0.6864u
Tl 190.794	32.2694	33.9301	33.8183
V 292.401	-0.8876u	-1.1670u	-0.9377u
Zn 206.200	1.5155	-0.3433u	-1.4026u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7911b	ppb	0.1274	16.1	22.7085
Al 308.215	12.0333b	ppb	2.8462	23.7	2.2843
As 188.980	-0.3460b	ppb	2.9459	851.4	-8.9827
B 249.678	10.6232b	ppb	0.2601	2.4	315.667
Ba 389.178	519.659b	ppb	0.5883	0.1	11244.3
Be 313.042	-0.5597b	ppb	0.0059	1.0	-349.900
Ca 370.602	97620b	ppb	81.86	0.1	267918
Cd 226.502	-0.3519b	ppb	0.1570	44.6	31.2227
Co 228.615	-0.4734b	ppb	0.0377	8.0	-6.5315
Cr 267.716	3.0548b	ppb	0.3096	10.1	160.870
Cu 324.754	-1.0502b	ppb	0.0340	3.2	156.244
Fe 271.441	48.1148b	ppb	1.0962	2.3	192.808
K 766.491	11306.8b	ppb	21.0654	0.2	359422
Mg 279.078	31449.0b	ppb	29.7478	0.1	62467.1
Mn 257.610	20128.4b	ppb	4.1193	0.0	4662109
Mo 202.032	-0.9297b	ppb	0.1721	18.5	14.8858
Na 330.237	127661xb	ppb	35.8751	0.0	5622.79
Ni 231.604	5.8609b	ppb	1.8800	32.1	10.4962
Pb 220.353	1.2833b	ppb	2.2826	177.9	34.5739
Sb 206.834	3.0360b	ppb	2.7362	90.1	0.0202
Se 196.026	0.9910b	ppb	6.8411	690.3	15.5111
Sn 189.925	-3.5063b	ppb	1.6381	46.7	-7.5876
Sr 216.596	776.411b	ppb	0.8093	0.1	7503.57
Ti 334.941	-0.6839b	ppb	0.0202	3.0	34.1028
Tl 190.794	33.3392b	ppb	0.9282	2.8	-8.7559
V 292.401	-0.9974b	ppb	0.1490	14.9	-10.4912
Zn 206.200	-0.0768b	ppb	1.4772	123.6	3.8929

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680-89241-c-10-b (Samp) 4/18/2013, 4:00:48 AM Rack 3, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7111	-0.6277	-0.7835
Al 308.215	15.7770	19.0906	14.4308
As 188.980	1.5738	2.9880	3.4619
B 249.678	-7.9980u	-8.9363u	-7.4983u
Ba 389.178	217.890	217.675	217.482
Be 313.042	-0.5410u	-0.5264u	-0.5285u
Ca 370.602	67440	67170	66881
Cd 226.502	-0.4294u	-0.4524u	-0.6237u
Co 228.615	19.1803	18.9173	19.3443
Cr 267.716	3.7623	3.6958	4.0050
Cu 324.754	-0.9964u	-0.5942u	-0.6512u
Fe 271.441	1524.72	1515.58	1515.28
K 766.491	8592.42	8532.12	8527.35
Mg 279.078	14553.3	14501.7	14434.9
Mn 257.610	24956.9	24129.0	24751.5
Mo 202.032	-0.6265u	-0.1928u	-0.4166u
Na 330.237	110031x	109468x	108845x
Ni 231.604	1.6596	0.4108	-0.1496u
Pb 220.353	0.3841	4.8019	-2.1060
Sb 206.834	0.4493	-1.0633u	0.8882
Se 196.026	0.5998	-8.5575	-0.4976
Sn 189.925	-5.9393u	-6.0119u	-5.7231u
Sr 216.596	879.239	875.969	872.362
Ti 334.941	-0.6200u	-0.5880u	-0.5924u
Tl 190.794	38.5855	40.7643	44.5273
V 292.401	-2.2984u	-1.8375u	-2.0252u
Zn 206.200	-1.2445u	-1.0733u	-1.6000u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7074b	ppb	0.0780	11.0	45.6862
Al 308.215	16.4328b	ppb	2.3981	14.6	11.9834
As 188.980	2.6746b	ppb	0.9823	36.7	-7.4180
B 249.678	-8.1442b	ppb	0.7301	9.0	96.8586
Ba 389.178	217.682b	ppb	0.2042	0.1	4727.33
Be 313.042	-0.5320b	ppb	0.0079	1.5	-310.094
Ca 370.602	67163b	ppb	279.6	0.4	184491
Cd 226.502	-0.5018b	ppb	0.1062	21.2	29.2776
Co 228.615	19.1473b	ppb	0.2154	1.1	188.815
Cr 267.716	3.8210b	ppb	0.1628	4.3	197.004
Cu 324.754	-0.7473b	ppb	0.2177	29.1	172.461
Fe 271.441	1518.53b	ppb	5.3632	0.4	2598.36
K 766.491	8550.63b	ppb	36.2688	0.4	271923
Mg 279.078	14496.6b	ppb	59.3646	0.4	28580.8
Mn 257.610	24612.5b	ppb	431.115	1.8	5700478
Mo 202.032	-0.4120b	ppb	0.2169	52.6	18.4902
Na 330.237	109448xb	ppb	593.073	0.5	4828.15
Ni 231.604	0.6403b	ppb	0.9262	144.7	-2.8828
Pb 220.353	1.0267b	ppb	3.4985	340.8	35.1246
Sb 206.834	0.0914b	ppb	1.0238	1120.6	-2.8493
Se 196.026	-2.8185b	ppb	5.0004	177.4	14.7861
Sn 189.925	-5.8914b	ppb	0.1502	2.6	-9.3387
Sr 216.596	875.857b	ppb	3.4397	0.4	8455.05
Ti 334.941	-0.6001b	ppb	0.0173	2.9	-12.5537
Tl 190.794	41.2924b	ppb	3.0059	7.3	-7.5034
V 292.401	-2.0537b	ppb	0.2318	11.3	-38.5119
Zn 206.200	-1.3059b	ppb	0.2687	20.6	-2.3127

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680-89241-c-11-b (Samp) 4/18/2013, 4:06:36 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5144	-0.6292	-0.3899
Al 308.215	32.6011	28.7079	33.1013
As 188.980	-3.4485u	-2.3130u	-2.5509u
B 249.678	0.3887	0.6375	0.2961
Ba 389.178	178.826	178.448	179.850
Be 313.042	-0.4941u	-0.4862u	-0.4864u
Ca 370.602	97179	97344	97357
Cd 226.502	-0.2898u	-0.4519u	-0.3428u
Co 228.615	7.2094	8.0619	7.3527
Cr 267.716	8.2059	7.7865	7.5355
Cu 324.754	0.0342	-0.7607u	-0.4089u
Fe 271.441	2717.81	2713.27	2712.09
K 766.491	19910.2	19987.5	19921.6
Mg 279.078	19636.5	19682.1	19682.4
Mn 257.610	37236.9x	37403.9x	37256.1x
Mo 202.032	4.6704	4.9049	4.3991
Na 330.237	118173x	118012x	117946x
Ni 231.604	4.9564	3.0093	3.9965
Pb 220.353	1.8774	0.6003	1.3745
Sb 206.834	-2.5024u	-5.3523u	-2.1671u
Se 196.026	0.2372	-1.4543	-3.7345
Sn 189.925	-5.4919u	-3.5078u	-2.7217u
Sr 216.596	602.016	605.004	604.149
Ti 334.941	2.2468	2.2631	2.2452
Tl 190.794	58.4336	64.3769	60.2891
V 292.401	0.7455	1.0997	0.6359
Zn 206.200	0.4103	0.2940	-1.4931u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5112b	ppb	0.1197	23.4	130.771
Al 308.215	31.4701b	ppb	2.4052	7.6	45.3242
As 188.980	-2.7708b	ppb	0.5988	21.6	-10.4905
B 249.678	0.4407b	ppb	0.1766	40.1	194.820
Ba 389.178	179.041b	ppb	0.7252	0.4	3912.16
Be 313.042	-0.4889b	ppb	0.0045	0.9	-231.025
Ca 370.602	97293b	ppb	99.61	0.1	267251
Cd 226.502	-0.3615b	ppb	0.0827	22.9	36.6887
Co 228.615	7.5413b	ppb	0.4565	6.1	73.1267
Cr 267.716	7.8426b	ppb	0.3387	4.3	356.546
Cu 324.754	-0.3785b	ppb	0.3983	105.3	192.117
Fe 271.441	2714.39b	ppb	3.0181	0.1	4550.62
K 766.491	19939.8b	ppb	41.7190	0.2	633488
Mg 279.078	19667.0b	ppb	26.4160	0.1	38702.9
Mn 257.610	37299.0xb	ppb	91.3897	0.2	8638561
Mo 202.032	4.6582b	ppb	0.2531	5.4	54.4129
Na 330.237	118044xb	ppb	116.719	0.1	5202.68
Ni 231.604	3.9874b	ppb	0.9736	24.4	5.7382
Pb 220.353	1.2841b	ppb	0.6433	50.1	38.3725
Sb 206.834	-3.3406b	ppb	1.7502	52.4	-6.2573
Se 196.026	-1.6505b	ppb	1.9931	120.8	18.2647
Sn 189.925	-3.9072b	ppb	1.4276	36.5	-7.8821
Sr 216.596	603.723b	ppb	1.5385	0.3	5848.24
Ti 334.941	2.2517b	ppb	0.0099	0.4	735.080
Tl 190.794	61.0332b	ppb	3.0407	5.0	-6.4918
V 292.401	0.8270b	ppb	0.2424	29.3	36.7013
Zn 206.200	-0.2629b	ppb	1.0670	405.8	3.6512

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640-43151-h-1-b (Samp) 4/18/2013, 4:12:14 AM Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8226u	-1.0126u	-0.8672u
Al 308.215	7.8976	3.0118	4.8699
As 188.980	-3.2120	-9.9191u	-0.7846
B 249.678	344.072	345.428	346.554
Ba 389.178	977.846	976.731	979.574
Be 313.042	-0.5816u	-0.5823u	-0.5847u
Ca 370.602	266030	265532	265118
Cd 226.502	-0.2238u	-0.3424u	-0.2827u
Co 228.615	2.5783	2.5111	2.2607
Cr 267.716	0.2777	-0.3045	-0.0088
Cu 324.754	-0.0729u	-0.5091u	-0.6325u
Fe 271.441	193.573	192.735	189.937
K 766.491	86347.9x	86380.0x	86530.1x
Mg 279.078	105907	105918	105935
Mn 257.610	1468.08	1466.63	1471.49
Mo 202.032	13.2843	12.7507	12.3627
Na 330.237	825898x	822930x	820436x
Ni 231.604	47.2796	48.3250	48.0996
Pb 220.353	2.8449	4.7629	1.4386
Sb 206.834	0.1351u	-8.4215u	3.3935
Se 196.026	-12.9565u	0.7508	-9.7451u
Sn 189.925	-8.9861u	-1.6595u	-3.0197u
Sr 216.596	2957.30	2955.04	2953.79
Ti 334.941	-1.6997u	-1.6844u	-1.7122u
Tl 190.794	-2.7335u	-1.4987u	-3.7837u
V 292.401	-0.4109u	-0.9333u	-0.7203u
Zn 206.200	0.0463	-0.6608u	-0.0637u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9008b	ppb	0.0994	11.0	-170.949
Al 308.215	5.2598b	ppb	2.4661	46.9	-11.9458
As 188.980	-4.6386b	ppb	4.7314	102.0	-10.1900
B 249.678	345.351b	ppb	1.2426	0.4	4187.93
Ba 389.178	978.050b	ppb	1.4324	0.1	21257.2
Be 313.042	-0.5829b	ppb	0.0016	0.3	-408.308
Ca 370.602	265560b	ppb	456.6	0.2	727508
Cd 226.502	-0.2829b	ppb	0.0593	21.0	31.4394
Co 228.615	2.4500b	ppb	0.1674	6.8	22.2368
Cr 267.716	-0.0118b	ppb	0.2911	2457.4	21.8691
Cu 324.754	-0.4048b	ppb	0.2940	72.6	190.224
Fe 271.441	192.082b	ppb	1.9043	1.0	428.508
K 766.491	86419.3xb	ppb	97.2581	0.1	2743987
Mg 279.078	105920b	ppb	14.0342	0.0	211314
Mn 257.610	1468.73b	ppb	2.4979	0.2	341182
Mo 202.032	12.7992b	ppb	0.4627	3.6	112.323
Na 330.237	823088xb	ppb	2734.47	0.3	35950.6
Ni 231.604	47.9014b	ppb	0.5501	1.1	118.477
Pb 220.353	3.0155b	ppb	1.6687	55.3	33.3680
Sb 206.834	-1.6310b	ppb	6.1023	374.1	-4.7460
Se 196.026	-7.3169b	ppb	7.1690	98.0	7.3432
Sn 189.925	-4.5551b	ppb	3.8972	85.6	-8.0868
Sr 216.596	2955.38b	ppb	1.7765	0.1	28414.5
Ti 334.941	-1.6988b	ppb	0.0139	0.8	33.6660
Tl 190.794	-2.6720b	ppb	1.1437	42.8	-17.0563
V 292.401	-0.6881b	ppb	0.2627	38.2	-8.9629
Zn 206.200	-0.2261b	ppb	0.3895	168.3	3.6995

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Cont Calib Verif (CCV) 4/18/2013, 4:17:51 AM Rack 3, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	496.151	492.848	495.238
Al 308.215	4877.19	4881.87	4867.49
As 188.980	495.437	498.253	488.966
B 249.678	519.403	523.538	526.658
Ba 389.178	5051.03	5062.72	5079.44
Be 313.042	520.133	521.316	522.939
Ca 370.602	5088	5137	5228
Cd 226.502	523.327	524.221	524.805
Co 228.615	523.856	523.823	528.033
Cr 267.716	5196.63	5206.66	5202.71
Cu 324.754	5192.42	5139.53	5200.58
Fe 271.441	5006.67	5018.76	5043.44
K 766.491	9824.10	9877.88	9892.74
Mg 279.078	5123.61	5163.80	5185.94
Mn 257.610	5295.07	5328.82	5324.17
Mo 202.032	495.113	496.343	498.385
Na 330.237	8068.77	7814.28	7887.88
Ni 231.604	2650.26	2651.51	2656.66
Pb 220.353	509.205	510.070	503.875
Sb 206.834	940.941	945.609	947.236
Se 196.026	5092.35	5115.36	5121.47
Sn 189.925	5058.23	5085.91	5018.89
Sr 216.596	2542.11	2544.71	2542.89
Ti 334.941	489.868	491.171	491.746
Tl 190.794	5066.23	5075.55	5083.56
V 292.401	4985.63	5008.45	5016.71
Zn 206.200	2655.79	2660.99	2665.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.746	ppb	1.7056	0.3	37235.9	98.94913
Al 308.215	4875.51	ppb	7.3345	0.2	10699.6	97.51028
As 188.980	494.219	ppb	4.7619	1.0	291.110	98.84371
B 249.678	523.199	ppb	3.6396	0.7	6239.56	20.92798Q
Ba 389.178	5064.39	ppb	14.2813	0.3	108694	101.28789
Be 313.042	521.463	ppb	1.4086	0.3	907198	104.29259
Ca 370.602	5151	ppb	70.86	1.4	14021	103.02590
Cd 226.502	524.117	ppb	0.7445	0.1	17825.2	104.82349
Co 228.615	525.238	ppb	2.4210	0.5	5237.31	105.04751
Cr 267.716	5202.00	ppb	5.0528	0.1	160426	104.03993
Cu 324.754	5177.51	ppb	33.1454	0.6	269330	103.55022
Fe 271.441	5022.96	ppb	18.7383	0.4	8444.98	100.45916
K 766.491	9864.91	ppb	36.1119	0.4	313647	98.64906
Mg 279.078	5157.78	ppb	31.5996	0.6	10242.7	103.15567
Mn 257.610	5316.02	ppb	18.2935	0.3	1231601	106.32039
Mo 202.032	496.614	ppb	1.6525	0.3	3536.88	99.32273
Na 330.237	7923.64	ppb	130.964	1.7	379.696	105.64857
Ni 231.604	2652.81	ppb	3.3909	0.1	6809.09	106.11245
Pb 220.353	507.717	ppb	3.3549	0.7	893.181	101.54336
Sb 206.834	944.595	ppb	3.2679	0.3	976.253	94.45952
Se 196.026	5109.72	ppb	15.3570	0.3	2376.45	102.19448
Sn 189.925	5054.34	ppb	33.6768	0.7	3670.24	101.08687
Sr 216.596	2543.24	ppb	1.3339	0.1	24384.8	101.72949
Ti 334.941	490.928	ppb	0.9625	0.2	125332	98.18565
Tl 190.794	5075.12	ppb	8.6733	0.2	4859.35	101.50235
V 292.401	5003.60	ppb	16.1022	0.3	131963	100.07192
Zn 206.200	2660.70	ppb	4.7612	0.2	3412.55	106.42784

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Cont Calib Blank (CCB) 4/18/2013, 4:23:28 AM Rack 3, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8369u	-0.6054u	-0.4510u
Al 308.215	2.3139	0.8835	-2.1024u
As 188.980	1.4641	-0.2624u	-0.2714u
B 249.678	4.0721	1.8487	1.0616
Ba 389.178	0.7648	-0.0355u	-0.0610u
Be 313.042	-0.4489u	-0.4186u	-0.3637u
Ca 370.602	2.025	13.73	22.03
Cd 226.502	-0.4070u	-0.2425u	-0.2289u
Co 228.615	-0.5532u	-0.4756u	-0.1981u
Cr 267.716	0.2465	0.4265	0.4685
Cu 324.754	-0.4561u	0.5185	1.0600
Fe 271.441	-15.8188u	-18.0521u	-13.6027u
K 766.491	-2.3094u	0.5819	1.2357
Mg 279.078	1.5249	7.3261	9.2255
Mn 257.610	0.3108	1.1990	2.2540
Mo 202.032	-0.6592u	-0.4463u	0.0084
Na 330.237	41.8465	38.8335	99.1883
Ni 231.604	-0.7520u	1.6346	-0.9225u
Pb 220.353	-0.2358u	0.2330	0.8539
Sb 206.834	0.1903	1.7336	1.3471
Se 196.026	-1.6611u	5.5279	3.0521
Sn 189.925	-1.8156u	-1.1267u	-0.8701u
Sr 216.596	-2.2481u	-1.3636u	-1.2627u
Ti 334.941	-0.4112u	-0.3551u	-0.2895u
Tl 190.794	-0.1653u	0.5255	1.3067
V 292.401	0.1990	0.4851	0.7115
Zn 206.200	-1.5353u	-2.0991u	-2.1959u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6311	ppb	0.1942	30.8	-22.2413	-0.63110
Al 308.215	0.3650	ppb	2.2534	617.4	-23.3953	0.36499
As 188.980	0.3101	ppb	0.9994	322.3	-9.4105	0.31012
B 249.678	2.3274	ppb	1.5613	67.1	219.747	2.32744
Ba 389.178	0.2228	ppb	0.4696	210.8	26.0153	0.22277
Be 313.042	-0.4104	ppb	0.0432	10.5	-102.532	-0.41044
Ca 370.602	12.60	ppb	10.05	79.8	52.84	12.59602
Cd 226.502	-0.2928	ppb	0.0992	33.9	33.3375	-0.29281
Co 228.615	-0.4089	ppb	0.1867	45.7	-5.9056	-0.40892
Cr 267.716	0.3805	ppb	0.1179	31.0	21.0797	0.38051
Cu 324.754	0.3741	ppb	0.7683	205.4	230.265	0.37410
Fe 271.441	-15.8245	ppb	2.2247	14.1	88.4638	-15.82454
K 766.491	-0.1639	ppb	1.8866	1150.9	464.500	-0.16393
Mg 279.078	6.0255	ppb	4.0116	66.6	46.6167	6.02550
Mn 257.610	1.2546	ppb	0.9728	77.5	718.178	1.25460
Mo 202.032	-0.3657	ppb	0.3410	93.3	18.8892	-0.36568
Na 330.237	59.9561	ppb	34.0095	56.7	58.0848	59.95607
Ni 231.604	-0.0133	ppb	1.4297	10745.2	-4.5925	-0.01331
Pb 220.353	0.2837	ppb	0.5466	192.7	28.4052	0.28369
Sb 206.834	1.0904	ppb	0.8031	73.7	-1.8951	1.09035
Se 196.026	2.3063	ppb	3.6521	158.3	11.4566	2.30632
Sn 189.925	-1.2708	ppb	0.4889	38.5	-6.0354	-1.27079
Sr 216.596	-1.6248	ppb	0.5421	33.4	33.1340	-1.62480
Ti 334.941	-0.3519	ppb	0.0609	17.3	-0.5523	-0.35194
Tl 190.794	0.5556	ppb	0.7365	132.5	-11.8657	0.55562
V 292.401	0.4652	ppb	0.2568	55.2	28.6522	0.46520
Zn 206.200	-1.9434	ppb	0.3567	18.4	515.4914	-1.94344

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mb 680-273045/1-a (Samp) **4/18/2013, 4:29:05 AM** **Rack 3, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7036u	-0.5680u	-0.6908u
Al 308.215	7.6384	5.6637	11.4847
As 188.980	-2.0215u	-2.9910u	-7.1994u
B 249.678	-4.6536u	-4.2676u	-4.6279u
Ba 389.178	-2.7001u	-1.6923u	-2.6191u
Be 313.042	-0.5482u	-0.5522u	-0.5520u
Ca 370.602	14.51	19.08	12.60
Cd 226.502	-0.3036u	-0.4682u	-0.4982u
Co 228.615	-0.1122u	-0.9211u	-0.2247u
Cr 267.716	-0.8586u	-0.8021u	-0.9487u
Cu 324.754	-0.6782u	-0.9188u	-0.6281u
Fe 271.441	14.9681	8.4044	16.5841
K 766.491	0.3143	0.4721	0.5758
Mg 279.078	10.2198	8.0304	11.2779
Mn 257.610	-1.0981u	-1.1193u	-1.0614u
Mo 202.032	-0.7468u	-0.1856u	-0.8605u
Na 330.237	129.825	171.535	115.166
Ni 231.604	0.7710	-0.0586u	-1.1462u
Pb 220.353	2.4374	4.1985	1.8789
Sb 206.834	1.9520	0.5747	1.0314
Se 196.026	-5.4296u	1.5721	-2.5892u
Sn 189.925	7.3334	9.5709	10.1910
Sr 216.596	-2.1952u	-2.4130u	-2.7137u
Ti 334.941	-0.2895u	-0.2258u	-0.2438u
Tl 190.794	-0.6417u	-5.4958u	-4.6770u
V 292.401	-1.0643u	-1.1219u	-1.1184u
Zn 206.200	-0.7857u	-1.8152u	-0.8466u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6542	ppb	0.0749	11.4	-23.9533
Al 308.215	8.2622	ppb	2.9602	35.8	-6.0166
As 188.980	-4.0706	ppb	2.7526	67.6	-12.0774
B 249.678	-4.5164	ppb	0.2158	4.8	140.544
Ba 389.178	-2.3372	ppb	0.5599	24.0	-28.8593
Be 313.042	-0.5508	ppb	0.0023	0.4	-346.529
Ca 370.602	15.40	ppb	3.328	21.6	58.56
Cd 226.502	-0.4233	ppb	0.1048	24.8	28.9718
Co 228.615	-0.4194	ppb	0.4382	104.5	-6.0080
Cr 267.716	-0.8698	ppb	0.0739	8.5	-17.4722
Cu 324.754	-0.7417	ppb	0.1554	21.0	172.275
Fe 271.441	13.3189	ppb	4.3321	32.5	136.042
K 766.491	0.4541	ppb	0.1317	29.0	484.120
Mg 279.078	9.8427	ppb	1.6562	16.8	54.2692
Mn 257.610	-1.0929	ppb	0.0293	2.7	174.622
Mo 202.032	-0.5976	ppb	0.3614	60.5	17.2445
Na 330.237	138.842	ppb	29.2463	21.1	61.5125
Ni 231.604	-0.1446	ppb	0.9615	665.0	-4.9291
Pb 220.353	2.8383	ppb	1.2107	42.7	32.7585
Sb 206.834	1.1860	ppb	0.7016	59.2	-1.8036
Se 196.026	-2.1489	ppb	3.5215	163.9	9.3941
Sn 189.925	9.0318	ppb	1.5031	16.6	1.4563
Sr 216.596	-2.4406	ppb	0.2604	10.7	25.3388
Ti 334.941	-0.2531	ppb	0.0328	13.0	24.6860
Tl 190.794	-3.6048	ppb	2.5986	72.1	-15.8625
V 292.401	-1.1015	ppb	0.0323	2.9	-12.6682
Zn 206.200	-1.1492	ppb	0.5776	50.3	-2.5152

ics 680-273045/2-a (Samp) 4/18/2013, 4:34:42 AM Rack 3, Tube 52
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.1854	9.2742	9.4947
Al 308.215	5171.95	5180.33	5227.87
As 188.980	105.578	104.478	108.829
B 249.678	191.622	191.746	193.913
Ba 389.178	102.538	101.818	103.060
Be 313.042	53.3115	53.3232	53.6393
Ca 370.602	4979	4982	5013
Cd 226.502	53.4825	53.7232	54.4631
Co 228.615	54.0727	53.2801	53.1419
Cr 267.716	107.573	107.809	108.945
Cu 324.754	105.544	106.865	107.839
Fe 271.441	5102.37	5114.38	5145.38
K 766.491	4811.06	4810.87	4850.74
Mg 279.078	5121.42	5118.31	5152.06
Mn 257.610	555.573	555.209	557.870
Mo 202.032	100.684	101.388	100.981
Na 330.237	5276.52	5348.45	5334.69
Ni 231.604	105.318	103.852	106.173
Pb 220.353	55.2525	54.0013	55.2110
Sb 206.834	46.5232	49.9602	46.8149
Se 196.026	95.2751	98.2357	88.2916
Sn 189.925	216.530	211.214	208.806
Sr 216.596	101.934	102.442	101.606
Ti 334.941	99.4870	99.5910	100.213
Tl 190.794	39.0677	37.3883	39.0799
V 292.401	101.812	101.787	102.795
Zn 206.200	107.637	107.289	109.343

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3181	ppb	0.1593	1.7	725.701
Al 308.215	5193.38	ppb	30.1546	0.6	11412.9
As 188.980	106.295	ppb	2.2622	2.1	55.0700
B 249.678	192.427	ppb	1.2885	0.7	2413.01
Ba 389.178	102.472	ppb	0.6234	0.6	2239.15
Be 313.042	53.4247	ppb	0.1860	0.3	93500.1
Ca 370.602	4991	ppb	18.50	0.4	13364
Cd 226.502	53.8896	ppb	0.5110	0.9	1881.77
Co 228.615	53.4983	ppb	0.5023	0.9	530.344
Cr 267.716	108.109	ppb	0.7333	0.7	3345.11
Cu 324.754	106.749	ppb	1.1521	1.1	5763.60
Fe 271.441	5120.71	ppb	22.1943	0.4	8490.24
K 766.491	4824.22	ppb	22.9689	0.5	153622
Mg 279.078	5130.60	ppb	18.6506	0.4	10260.8
Mn 257.610	556.218	ppb	1.4429	0.3	129285
Mo 202.032	101.018	ppb	0.3535	0.3	738.050
Na 330.237	5319.89	ppb	38.1778	0.7	284.817
Ni 231.604	105.114	ppb	1.1736	1.1	265.526
Pb 220.353	54.8216	ppb	0.7107	1.3	121.227
Sb 206.834	47.7661	ppb	1.9057	4.0	44.3317
Se 196.026	93.9341	ppb	5.1059	5.4	53.9870
Sn 189.925	212.184	ppb	3.9522	1.9	149.184
Sr 216.596	101.994	ppb	0.4211	0.4	1024.36
Ti 334.941	99.7638	ppb	0.3927	0.4	25557.4
Tl 190.794	38.5120	ppb	0.9731	2.5	23.6082
V 292.401	102.131	ppb	0.5751	0.6	2694.00
Zn 206.200	108.090	ppb	1.0992	1.0	5142.729

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ics 680-273045/3-a (Samp) 4/18/2013, 4:40:19 AM Rack 3, Tube 53
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	201.842	206.048	203.356
Al 308.215	2223.09	2243.39	2242.68
As 188.980	221.002	219.936	218.840
B 249.678	391.903	394.467	395.215
Ba 389.178	199.407	199.666	199.940
Be 313.042	211.611	212.108	212.206
Ca 370.602	19896	19934	19966
Cd 226.502	209.873	210.073	210.481
Co 228.615	209.924	209.516	208.996
Cr 267.716	212.625	213.334	212.480
Cu 324.754	213.759	216.031	213.932
Fe 271.441	20939.4	20965.1	20962.7
K 766.491	19406.6	19438.1	19423.6
Mg 279.078	20411.1	20412.6	20410.0
Mn 257.610	2195.95	2196.98	2196.54
Mo 202.032	202.612	202.835	203.395
Na 330.237	18135.0	18341.9	18120.7
Ni 231.604	211.601	211.109	209.569
Pb 220.353	201.742	205.084	201.633
Sb 206.834	187.682	200.847	198.861
Se 196.026	198.674	202.232	189.541
Sn 189.925	213.282	211.310	212.699
Sr 216.596	214.790	215.765	217.255
Ti 334.941	198.689	199.511	199.498
Tl 190.794	43.7350	41.6462	39.5100
V 292.401	204.819	204.970	205.913
Zn 206.200	202.381	202.346	200.497

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.749	ppb	2.1303	1.0	15375.3
Al 308.215	2236.39	ppb	11.5189	0.5	4907.76
As 188.980	219.926	ppb	1.0810	0.5	124.182
B 249.678	393.861	ppb	1.7370	0.4	4725.13
Ba 389.178	199.671	ppb	0.2665	0.1	4382.30
Be 313.042	211.975	ppb	0.3189	0.2	369203
Ca 370.602	19932	ppb	35.08	0.2	53245
Cd 226.502	210.142	ppb	0.3100	0.1	7214.59
Co 228.615	209.479	ppb	0.4653	0.2	2082.90
Cr 267.716	212.813	ppb	0.4574	0.2	6579.89
Cu 324.754	214.574	ppb	1.2645	0.6	11375.6
Fe 271.441	20955.7	ppb	14.2013	0.1	34387.9
K 766.491	19422.8	ppb	15.7364	0.1	617076
Mg 279.078	20411.2	ppb	1.2860	0.0	40723.0
Mn 257.610	2196.49	ppb	0.5208	0.0	509285
Mo 202.032	202.947	ppb	0.4038	0.2	1460.56
Na 330.237	18199.2	ppb	123.810	0.7	841.231
Ni 231.604	210.760	ppb	1.0597	0.5	537.187
Pb 220.353	202.820	ppb	1.9619	1.0	373.579
Sb 206.834	195.797	ppb	7.0972	3.6	191.298
Se 196.026	196.816	ppb	6.5467	3.3	101.967
Sn 189.925	212.430	ppb	1.0132	0.5	149.373
Sr 216.596	215.937	ppb	1.2415	0.6	2119.36
Ti 334.941	199.233	ppb	0.4710	0.2	50991.9
Tl 190.794	41.6304	ppb	2.1126	5.1	23.6016
V 292.401	205.234	ppb	0.5929	0.3	5397.43
Zn 206.200	201.741	ppb	1.0780	0.5	262.905

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89260-b-1-b (Samp) 4/18/2013, 4:45:56 AM Rack 3, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.1954u	-2.4980u	-2.0725u
Al 308.215	129400	128974	129830
As 188.980	110.762	99.4140	101.891
B 249.678	-5.4189u	-5.9559u	-7.3728u
Ba 389.178	649.259	643.320	645.781
Be 313.042	7.1980	7.1974	7.3269
Ca 370.602	965.3u	999.5u	991.3u
Cd 226.502	3.1469	3.2171	3.3895
Co 228.615	83.1076	82.9441	83.3492
Cr 267.716	251.253	251.849	252.456
Cu 324.754	208.862	207.319	206.727
Fe 271.441	318253	315351	316459
K 766.491	14474.6	14313.0	14383.1
Mg 279.078	19964.2	19807.0	19858.5
Mn 257.610	3029.48	3001.25	3011.46
Mo 202.032	8.2051	7.9745	8.2263
Na 330.237	722.167u	524.045u	575.061u
Ni 231.604	151.705	150.713	151.228
Pb 220.353	160.993	158.643	159.868
Sb 206.834	-3.7095	6.9204	3.5522
Se 196.026	-10.3242u	-16.8488u	-5.9558u
Sn 189.925	15.5567	20.2953	16.1979
Sr 216.596	94.8013	92.9537	94.3961
Ti 334.941	2117.50	2103.70	2112.08
Tl 190.794	2.6275u	5.3582u	4.4176u
V 292.401	343.197	339.390	341.257
Zn 206.200	470.750	469.197	474.210

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2553	ppb	0.2190	9.7	-133.848
Al 308.215	129401	ppb	427.778	0.3	284839
As 188.980	104.022	ppb	5.9670	5.7	50.5415
B 249.678	-6.2492	ppb	1.0095	16.2	-243.204
Ba 389.178	646.120	ppb	2.9840	0.5	14344.3
Be 313.042	7.2408	ppb	0.0746	1.0	13193.2
Ca 370.602	985.4	ppb	17.83	1.8	-18949
Cd 226.502	3.2511	ppb	0.1248	3.8	850.426
Co 228.615	83.1336	ppb	0.2038	0.2	864.883
Cr 267.716	251.853	ppb	0.6015	0.2	7834.21
Cu 324.754	207.636	ppb	1.1018	0.5	11098.6
Fe 271.441	316688	ppb	1464.39	0.5	517575
K 766.491	14390.2	ppb	81.0260	0.6	457310
Mg 279.078	19876.6	ppb	80.1451	0.4	39660.5
Mn 257.610	3014.06	ppb	14.2961	0.5	699430
Mo 202.032	8.1353	ppb	0.1397	1.7	63.1279
Na 330.237	607.091	ppb	102.871	16.9	-15.1465
Ni 231.604	151.215	ppb	0.4966	0.3	390.268
Pb 220.353	159.835	ppb	1.1754	0.7	298.933
Sb 206.834	2.2544	ppb	5.4325	241.0	8.7319
Se 196.026	-11.0429	ppb	5.4819	49.6	5.6889
Sn 189.925	17.3499	ppb	2.5708	14.8	7.4978
Sr 216.596	94.0504	ppb	0.9711	1.0	1062.95
Ti 334.941	2111.09	ppb	6.9514	0.3	538688
Tl 190.794	4.1344	ppb	1.3872	33.6	-28.0314
V 292.401	341.281	ppb	1.9038	0.6	9058.57
Zn 206.200	471.385	ppb	2.5661	0.5	609.583

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89260-b-2-b (Samp) 4/18/2013, 4:51:33 AM Rack 3, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9695u	-2.3360u	-2.6440u
Al 308.215	59007.8	59383.4	59260.9
As 188.980	41.7610	36.6731	41.3534
B 249.678	14.1135	14.8072	14.1229
Ba 389.178	601.910	601.467	598.957
Be 313.042	3.9846	3.9822	4.0221
Ca 370.602	8221	8232	8218
Cd 226.502	2.5546	2.8013	2.5544
Co 228.615	84.4884	83.7146	85.4634
Cr 267.716	75.5516	76.6346	75.6949
Cu 324.754	105.995	107.832	106.550
Fe 271.441	80181.0	80156.6	80060.3
K 766.491	3597.89	3594.91	3597.57
Mg 279.078	5672.12	5674.88	5668.91
Mn 257.610	9449.95	9441.37	9382.53
Mo 202.032	5.0460	4.7497	5.2219
Na 330.237	-12.8342u	239.477u	382.274u
Ni 231.604	57.8890	57.6425	58.2001
Pb 220.353	158.421	160.277	158.948
Sb 206.834	1.6331	0.2250	-2.4055
Se 196.026	7.2712	-4.8072u	-1.0659
Sn 189.925	11.1538	12.9009	8.0245
Sr 216.596	55.4894	55.4791	55.2250
Ti 334.941	597.002	598.863	597.994
Tl 190.794	13.3738u	13.7636u	9.2733u
V 292.401	122.618	122.292	122.403
Zn 206.200	241.432	241.444	239.129

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.3165	ppb	0.3377	14.6	-107.783
Al 308.215	59217.4	ppb	191.574	0.3	130337
As 188.980	39.9292	ppb	2.8272	7.1	13.9702
B 249.678	14.3479	ppb	0.3978	2.8	266.775
Ba 389.178	600.778	ppb	1.5926	0.3	13027.6
Be 313.042	3.9963	ppb	0.0224	0.6	7559.24
Ca 370.602	8223	ppb	7.511	0.1	17283
Cd 226.502	2.6368	ppb	0.1425	5.4	309.008
Co 228.615	84.5554	ppb	0.8764	1.0	851.449
Cr 267.716	75.9604	ppb	0.5883	0.8	2390.65
Cu 324.754	106.793	ppb	0.9422	0.9	5785.89
Fe 271.441	80132.6	ppb	63.8053	0.1	131059
K 766.491	3596.79	ppb	1.6372	0.0	114655
Mg 279.078	5671.97	ppb	2.9872	0.1	11204.4
Mn 257.610	9424.62	ppb	36.6971	0.4	2183312
Mo 202.032	5.0059	ppb	0.2386	4.8	52.8760
Na 330.237	202.972	ppb	200.067	98.6	38.5546
Ni 231.604	57.9105	ppb	0.2794	0.5	145.820
Pb 220.353	159.215	ppb	0.9565	0.6	300.590
Sb 206.834	-0.1824	ppb	2.0499	1123.6	-0.6594
Se 196.026	0.4660	ppb	6.1833	1326.8	12.7146
Sn 189.925	10.6931	ppb	2.4706	23.1	2.6656
Sr 216.596	55.3978	ppb	0.1497	0.3	608.763
Ti 334.941	597.953	ppb	0.9311	0.2	152644
Tl 190.794	12.1369	ppb	2.4876	20.5	-17.8591
V 292.401	122.438	ppb	0.1656	0.1	3258.34
Zn 206.200	240.668	ppb	1.3332	0.6	515.316

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89260-b-3-b (Samp) **4/18/2013, 4:57:11 AM** **Rack 3, Tube 56****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.5589u	-3.2188u	-2.3097u
Al 308.215	93203.7	92996.8	93803.4
As 188.980	155.785	161.344	162.197
B 249.678	-1.2994u	-2.2422u	-2.6841u
Ba 389.178	691.799	690.428	692.118
Be 313.042	8.2577	8.2028	8.2297
Ca 370.602	7795u	7788u	7765u
Cd 226.502	3.7257	3.8411	3.7793
Co 228.615	124.665	124.537	124.494
Cr 267.716	213.219	213.298	214.853
Cu 324.754	111.143	111.740	109.423
Fe 271.441	320248	318397	320060
K 766.491	16612.6	16479.1	16527.7
Mg 279.078	19355.4	19308.5	19330.1
Mn 257.610	6482.46	6442.28	6462.17
Mo 202.032	11.4382	11.7891	11.5301
Na 330.237	763.438u	755.498u	654.851u
Ni 231.604	198.676	199.770	198.993
Pb 220.353	173.301	173.861	174.215
Sb 206.834	-5.4437	-2.5849	2.8034
Se 196.026	-3.6954u	3.5821	-1.8879
Sn 189.925	15.0390	18.2062	12.7085
Sr 216.596	117.435	118.606	118.017
Ti 334.941	2173.75	2165.93	2178.34
Tl 190.794	1.9086u	10.3099u	9.2414u
V 292.401	361.476	359.131	360.700
Zn 206.200	495.591	497.228	493.979

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6958	ppb	0.4698	17.4	-152.361
Al 308.215	93334.6	ppb	418.950	0.4	205441
As 188.980	159.775	ppb	3.4816	2.2	84.5063
B 249.678	-2.0752	ppb	0.7073	34.1	-198.493
Ba 389.178	691.448	ppb	0.8981	0.1	15319.6
Be 313.042	8.2301	ppb	0.0275	0.3	14910.8
Ca 370.602	7783	ppb	15.66	0.2	-451.2
Cd 226.502	3.7820	ppb	0.0577	1.5	875.275
Co 228.615	124.566	ppb	0.0891	0.1	1278.71
Cr 267.716	213.790	ppb	0.9216	0.4	6670.11
Cu 324.754	110.769	ppb	1.2028	1.1	6063.75
Fe 271.441	319568	ppb	1018.75	0.3	522288
K 766.491	16539.8	ppb	67.5623	0.4	525550
Mg 279.078	19331.3	ppb	23.4460	0.1	38530.2
Mn 257.610	6462.30	ppb	20.0899	0.3	1498008
Mo 202.032	11.5858	ppb	0.1819	1.6	87.4310
Na 330.237	724.596	ppb	60.5311	8.4	-11.4041
Ni 231.604	199.146	ppb	0.5633	0.3	513.427
Pb 220.353	173.792	ppb	0.4609	0.3	323.649
Sb 206.834	-1.7417	ppb	4.1877	240.4	4.4711
Se 196.026	-0.6671	ppb	3.7892	568.0	11.2866
Sn 189.925	15.3179	ppb	2.7595	18.0	6.0227
Sr 216.596	118.020	ppb	0.5855	0.5	1293.74
Ti 334.941	2172.68	ppb	6.2738	0.3	554393
Tl 190.794	7.1533	ppb	4.5734	63.9	-30.1156
V 292.401	360.436	ppb	1.1946	0.3	9568.04
Zn 206.200	495.599	ppb	1.6246	0.3	649.818

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-a-26-a (Samp) 4/18/2013, 5:02:48 AM Rack 3, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.8331	2.5349	3.6114
Al 308.215	146083	146664	147548
As 188.980	485.534	501.352	499.572
B 249.678	60.6387u	58.7708u	58.9050u
Ba 389.178	4754.70	4755.25	4744.37
Be 313.042	21.1780	21.1659	21.1811
Ca 370.602	120923	120941	121174
Cd 226.502	34.2379	34.0263	33.0845
Co 228.615	162.360	165.787	163.723
Cr 267.716	816.128	818.778	825.146
Cu 324.754	834.214	837.586	838.501
Fe 271.441	738387	738186	737542
K 766.491	13509.9	13475.0	13448.5
Mg 279.078	32813.1	32825.7	32852.8
Mn 257.610	17505.0	17512.1	17479.3
Mo 202.032	34.2335	32.5148	32.8460
Na 330.237	46.3843u	-108.803u	-60.9805u
Ni 231.604	184.147	184.263	184.463
Pb 220.353	3713.23	3727.51	3722.42
Sb 206.834	23.4379	26.2419	20.9222
Se 196.026	-7.6579u	20.1817	14.6497
Sn 189.925	200.517	197.761	211.115
Sr 216.596	1231.68	1239.28	1240.24
Ti 334.941	2140.33	2143.21	2150.62
Tl 190.794	17.6176u	21.5413u	24.0555u
V 292.401	1045.90	1046.53	1044.93
Zn 206.200	9204.42	9221.11	9219.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3265	ppb	0.6944	20.9	304.108
Al 308.215	146765	ppb	737.287	0.5	323059
As 188.980	495.486	ppb	8.6643	1.7	285.593
B 249.678	59.4381	ppb	1.0418	1.8	32.1548
Ba 389.178	4751.44	ppb	6.1314	0.1	102996
Be 313.042	21.1750	ppb	0.0080	0.0	37424.4
Ca 370.602	121013	ppb	139.8	0.1	280801
Cd 226.502	33.7829	ppb	0.6140	1.8	2813.85
Co 228.615	163.957	ppb	1.7251	1.1	1659.15
Cr 267.716	820.017	ppb	4.6348	0.6	25456.4
Cu 324.754	836.767	ppb	2.2580	0.3	43926.9
Fe 271.441	738038	ppb	441.381	0.1	1206047
K 766.491	13477.8	ppb	30.8250	0.2	428344
Mg 279.078	32830.5	ppb	20.2537	0.1	65350.2
Mn 257.610	17498.8	ppb	17.2613	0.1	4055155
Mo 202.032	33.1981	ppb	0.9118	2.7	219.115
Na 330.237	-41.1329	ppb	79.4745	193.2	-205.669
Ni 231.604	184.291	ppb	0.1596	0.1	483.757
Pb 220.353	3721.05	ppb	7.2338	0.2	6370.90
Sb 206.834	23.5340	ppb	2.6611	11.3	44.4548
Se 196.026	9.0578	ppb	14.7382	162.7	17.9585
Sn 189.925	203.131	ppb	7.0505	3.5	142.626
Sr 216.596	1237.07	ppb	4.6927	0.4	12187.2
Ti 334.941	2144.72	ppb	5.3097	0.2	547363
Tl 190.794	21.0715	ppb	3.2446	15.4	-52.5105
V 292.401	1045.79	ppb	0.8051	0.1	27655.0
Zn 206.200	9214.96	ppb	9.1695	0.1	51853.0

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-a-27-a (Samp) 4/18/2013, 5:08:25 AM Rack 3, Tube 58

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.9460	3.0311	2.8616
Al 308.215	102397	102006	102460
As 188.980	249.597	257.907	265.440
B 249.678	86.8907	88.0765	87.7100
Ba 389.178	5417.31	5420.77	5414.45
Be 313.042	10.6573	10.6594	10.6809
Ca 370.602	144248	144162	144234
Cd 226.502	39.2939	39.5905	39.2311
Co 228.615	158.009	159.303	157.501
Cr 267.716	525.838	525.313	525.706
Cu 324.754	1464.81	1453.90	1452.07
Fe 271.441	292148	292844	292462
K 766.491	9756.34	9722.37	9724.57
Mg 279.078	20282.8	20291.0	20354.3
Mn 257.610	11070.4	11091.5	11099.0
Mo 202.032	23.6623	23.0083	24.9566
Na 330.237	267.269u	91.7585u	88.4277u
Ni 231.604	213.700	211.974	210.142
Pb 220.353	4839.89	4841.73	4868.48
Sb 206.834	23.8416	18.8094	24.5360
Se 196.026	1.9774	4.9386	1.9709
Sn 189.925	180.154	191.410	185.137
Sr 216.596	892.380	895.294	896.745
Ti 334.941	1721.31	1716.71	1718.80
Tl 190.794	14.3011u	17.2266u	13.4476u
V 292.401	327.001	326.810	326.823
Zn 206.200	12674.1	12726.0	12730.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9462	ppb	0.0848	2.9	258.780
Al 308.215	102288	ppb	245.824	0.2	225151
As 188.980	257.648	ppb	7.9248	3.1	145.516
B 249.678	87.5591	ppb	0.6071	0.7	869.755
Ba 389.178	5417.51	ppb	3.1634	0.1	116670
Be 313.042	10.6659	ppb	0.0130	0.1	19188.9
Ca 370.602	144215	ppb	46.06	0.0	375227
Cd 226.502	39.3718	ppb	0.1919	0.5	2022.04
Co 228.615	158.271	ppb	0.9291	0.6	1605.37
Cr 267.716	525.619	ppb	0.2732	0.1	16295.3
Cu 324.754	1456.92	ppb	6.8865	0.5	76036.6
Fe 271.441	292485	ppb	348.945	0.1	478040
K 766.491	9734.43	ppb	19.0084	0.2	309504
Mg 279.078	20309.4	ppb	39.1310	0.2	40404.4
Mn 257.610	11087.0	ppb	14.8387	0.1	2568962
Mo 202.032	23.8757	ppb	0.9915	4.2	176.058
Na 330.237	149.152	ppb	102.306	68.6	-103.791
Ni 231.604	211.939	ppb	1.7794	0.8	545.746
Pb 220.353	4850.03	ppb	16.0007	0.3	8293.98
Sb 206.834	22.3957	ppb	3.1251	14.0	30.5297
Se 196.026	2.9623	ppb	1.7115	57.8	14.0588
Sn 189.925	185.567	ppb	5.6407	3.0	129.874
Sr 216.596	894.807	ppb	2.2230	0.2	8745.42
Ti 334.941	1718.94	ppb	2.3001	0.1	438659
Tl 190.794	14.9917	ppb	1.9819	13.2	-27.7511
V 292.401	326.878	ppb	0.1067	0.0	8652.58
Zn 206.200	12710.1	ppb	31.2189	0.2	16348.7

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89275-a-28-a (Samp) 4/18/2013, 5:14:02 AM Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.0307	5.2511	5.0406
Al 308.215	141372	141062	141205
As 188.980	528.759	526.185	530.874
B 249.678	206.416	209.466	210.836
Ba 389.178	8533.00	8536.72	8533.38
Be 313.042	16.6902	16.6918	16.7163
Ca 370.602	166873	167339	167654
Cd 226.502	27.7704	28.3383	27.7145
Co 228.615	124.343	124.802	124.574
Cr 267.716	464.345	462.114	462.771
Cu 324.754	1669.60	1692.87	1634.63
Fe 271.441	334560	334657	334874
K 766.491	19904.8	19835.3	19820.1
Mg 279.078	17647.3	17697.5	17723.5
Mn 257.610	6660.20	6699.54	6713.88
Mo 202.032	43.6595	43.6741	43.8773
Na 330.237	2832.67u	3031.34u	2895.75u
Ni 231.604	274.782	272.811	273.877
Pb 220.353	3348.72	3368.75	3373.01
Sb 206.834	26.8792	33.3282	32.4369
Se 196.026	6.3755	3.2736	-13.4174u
Sn 189.925	683.847	691.800	700.748
Sr 216.596	2585.91	2581.57	2593.18
Ti 334.941	3002.64	2998.64	3000.26
Tl 190.794	11.3550u	14.7131u	14.6607u
V 292.401	471.238	471.856	471.080
Zn 206.200	9955.50	10024.8	10040.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.7741	ppb	0.6524	13.7	301.052
Al 308.215	141213	ppb	155.088	0.1	310842
As 188.980	528.606	ppb	2.3485	0.4	310.222
B 249.678	208.906	ppb	2.2627	1.1	2224.93
Ba 389.178	8534.36	ppb	2.0470	0.0	183583
Be 313.042	16.6994	ppb	0.0146	0.1	29683.5
Ca 370.602	167289	ppb	393.1	0.2	435584
Cd 226.502	27.9411	ppb	0.3452	1.2	1727.57
Co 228.615	124.573	ppb	0.2293	0.2	1296.63
Cr 267.716	463.077	ppb	1.1466	0.2	14361.7
Cu 324.754	1665.70	ppb	29.3119	1.8	86902.0
Fe 271.441	334697	ppb	160.816	0.0	547008
K 766.491	19853.4	ppb	45.1387	0.2	630747
Mg 279.078	17689.4	ppb	38.7405	0.2	35241.0
Mn 257.610	6691.21	ppb	27.7923	0.4	1551053
Mo 202.032	43.7370	ppb	0.1217	0.3	314.692
Na 330.237	2919.92	ppb	101.517	3.5	14.8679
Ni 231.604	273.823	ppb	0.9864	0.4	705.560
Pb 220.353	3363.49	ppb	12.9681	0.4	5758.69
Sb 206.834	30.8814	ppb	3.4946	11.3	39.1298
Se 196.026	-1.2561	ppb	10.6455	847.5	11.0508
Sn 189.925	692.132	ppb	8.4552	1.2	498.238
Sr 216.596	2586.89	ppb	5.8656	0.2	24988.6
Ti 334.941	3000.51	ppb	2.0092	0.1	765547
Tl 190.794	13.5763	ppb	1.9239	14.2	-24.9556
V 292.401	471.391	ppb	0.4101	0.1	12494.3
Zn 206.200	10006.8	ppb	45.1277	0.5	12872.3

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89280-c-1-a (Samp) 4/18/2013, 5:19:39 AM Rack 3, Tube 60

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2878u	-0.7157u	-0.8075u
Al 308.215	70560.9	70112.5	70503.7
As 188.980	93.5906	97.2959	101.770
B 249.678	177.178	179.565	179.057
Ba 389.178	972.800	972.958	972.486
Be 313.042	0.8929	0.8802	0.8908
Ca 370.602	153680	153411	153824
Cd 226.502	3.8112	3.8150	4.1108
Co 228.615	15.2530	15.4560	15.3033
Cr 267.716	204.956	204.172	204.892
Cu 324.754	339.881	337.398	337.516
Fe 271.441	49803.4	49827.9	49854.5
K 766.491	28671.2	28619.6	28484.2
Mg 279.078	26677.7	26688.6	26719.3
Mn 257.610	3499.48	3508.57	3505.25
Mo 202.032	6.6016	7.4703	6.7516
Na 330.237	18299.8	18133.0	18309.4
Ni 231.604	76.0560	73.9166	73.7203
Pb 220.353	121.325	119.402	124.862
Sb 206.834	12.2459	-2.3721	0.7017
Se 196.026	-15.8026u	-4.8075u	-1.9455u
Sn 189.925	25.4752	21.4670	25.1503
Sr 216.596	765.430	763.238	765.421
Ti 334.941	2543.09	2531.60	2537.33
Tl 190.794	4.5228u	6.3447u	1.6814u
V 292.401	98.5614	99.2274	99.0036
Zn 206.200	655.107	654.786	654.465

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6037	ppb	0.2774	45.9	-38.4834
Al 308.215	70392.3	ppb	244.067	0.3	154938
As 188.980	97.5521	ppb	4.0956	4.2	50.5908
B 249.678	178.600	ppb	1.2574	0.7	2201.71
Ba 389.178	972.748	ppb	0.2404	0.0	21018.3
Be 313.042	0.8880	ppb	0.0069	0.8	2201.47
Ca 370.602	153638	ppb	209.5	0.1	417906
Cd 226.502	3.9123	ppb	0.1719	4.4	285.857
Co 228.615	15.3374	ppb	0.1057	0.7	207.272
Cr 267.716	204.673	ppb	0.4354	0.2	6342.05
Cu 324.754	338.265	ppb	1.4007	0.4	17810.1
Fe 271.441	49828.6	ppb	25.5648	0.1	81534.8
K 766.491	28591.7	ppb	96.5837	0.3	908157
Mg 279.078	26695.2	ppb	21.6045	0.1	53225.5
Mn 257.610	3504.43	ppb	4.6003	0.1	812306
Mo 202.032	6.9412	ppb	0.4643	6.7	68.1320
Na 330.237	18247.4	ppb	99.1995	0.5	817.617
Ni 231.604	74.5643	ppb	1.2956	1.7	187.987
Pb 220.353	121.863	ppb	2.7695	2.3	234.476
Sb 206.834	3.5252	ppb	7.7072	218.6	3.5326
Se 196.026	-7.5185	ppb	7.3155	97.3	7.6747
Sn 189.925	24.0308	ppb	2.2263	9.3	12.4248
Sr 216.596	764.696	ppb	1.2631	0.2	7413.25
Ti 334.941	2537.34	ppb	5.7460	0.2	647409
Tl 190.794	4.1830	ppb	2.3501	56.2	-15.7092
V 292.401	98.9308	ppb	0.3389	0.3	2658.24
Zn 206.200	654.786	ppb	0.3208	0.0	845.569

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/18/2013, 5:25:16 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	492.928	494.948	487.044
Al 308.215	5012.26	4984.36	4969.24
As 188.980	500.114	491.138	491.942
B 249.678	525.735	525.976	526.224
Ba 389.178	5072.67	5033.74	5015.17
Be 313.042	526.856	522.901	520.839
Ca 370.602	5241	5219	5213
Cd 226.502	527.631	524.646	523.949
Co 228.615	528.560	525.638	526.416
Cr 267.716	5256.72	5201.04	5179.96
Cu 324.754	5237.22	5213.68	5276.09
Fe 271.441	5302.77	5320.35	5329.66
K 766.491	9954.03	9890.38	9813.72
Mg 279.078	5183.48	5166.36	5154.94
Mn 257.610	5352.73	5332.46	5310.59
Mo 202.032	495.988	494.044	494.469
Na 330.237	7331.84	7507.92	7726.66
Ni 231.604	2673.33	2652.64	2658.30
Pb 220.353	513.851	503.221	506.796
Sb 206.834	940.493	932.223	932.524
Se 196.026	5121.06	5153.53	5105.21
Sn 189.925	5122.80	5037.58	5018.39
Sr 216.596	2560.80	2539.95	2535.76
Ti 334.941	497.734	493.294	490.291
Tl 190.794	5089.47	5058.85	5038.15
V 292.401	5028.18	5006.11	4978.68
Zn 206.200	2696.24	2682.77	2682.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.640	ppb	4.1061	0.8	37001.7	98.32799
Al 308.215	4988.62	ppb	21.8251	0.4	10948.6	99.77246
As 188.980	494.398	ppb	4.9662	1.0	291.218	98.87965
B 249.678	525.978	ppb	0.2449	0.0	6271.38	21.03913Q
Ba 389.178	5040.53	ppb	29.3443	0.6	108183	100.81051
Be 313.042	523.532	ppb	3.0578	0.6	910796	104.70638
Ca 370.602	5224	ppb	14.81	0.3	14202	104.48374
Cd 226.502	525.409	ppb	1.9559	0.4	17869.6	105.08181
Co 228.615	526.871	ppb	1.5128	0.3	5253.73	105.37424
Cr 267.716	5212.57	ppb	39.6567	0.8	160753	104.25144
Cu 324.754	5242.33	ppb	31.5153	0.6	272699	104.84658
Fe 271.441	5317.60	ppb	13.6552	0.3	8926.70	106.35192
K 766.491	9886.04	ppb	70.2550	0.7	314318	98.86043
Mg 279.078	5168.26	ppb	14.3666	0.3	10263.5	103.36519
Mn 257.610	5331.93	ppb	21.0793	0.4	1235286	106.63857
Mo 202.032	494.834	ppb	1.0219	0.2	3524.23	98.96673
Na 330.237	7522.14	ppb	197.795	2.6	361.928	100.29521
Ni 231.604	2661.42	ppb	10.6929	0.4	6831.21	106.45679
Pb 220.353	507.956	ppb	5.4091	1.1	893.589	101.59126
Sb 206.834	935.080	ppb	4.6903	0.5	967.086	93.50801
Se 196.026	5126.60	ppb	24.6312	0.5	2384.27	102.53209
Sn 189.925	5059.59	ppb	55.5772	1.1	3674.05	101.19183
Sr 216.596	2545.50	ppb	13.4111	0.5	24406.6	101.82018
Ti 334.941	493.773	ppb	3.7443	0.8	126058	98.75465
Tl 190.794	5062.16	ppb	25.8198	0.5	4846.87	101.24316
V 292.401	5004.32	ppb	24.8017	0.5	131982	100.08649
Zn 206.200	2687.10	ppb	7.9169	0.3	3446.47	107.48393

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/18/2013, 5:30:54 AM Rack 4, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9274u	-0.4249u	-1.2593u
Al 308.215	-1.5636u	0.8257	7.0459
As 188.980	-2.3559u	2.9953	-3.7140u
B 249.678	2.8640	2.5093	1.8704
Ba 389.178	-0.5139u	0.4428	0.2030
Be 313.042	-0.4940u	-0.4436u	-0.4114u
Ca 370.602	4.122	2.629	9.978
Cd 226.502	-0.4844u	-0.4544u	-0.3464u
Co 228.615	-0.0028u	-0.7377u	-0.3039u
Cr 267.716	-0.4268u	-0.1930u	0.2900
Cu 324.754	-0.7769u	0.3817	0.7036
Fe 271.441	-3.4334u	-4.0774u	-0.7678u
K 766.491	-5.1492u	-4.4281u	-2.8652u
Mg 279.078	3.5722	2.9044	1.2446
Mn 257.610	-0.5697u	0.0108	0.5208
Mo 202.032	-0.5858u	0.0737	-0.2720u
Na 330.237	54.6833	-258.168u	-28.3803u
Ni 231.604	0.5679	1.1081	0.3976
Pb 220.353	-0.2317u	2.2581	0.4489
Sb 206.834	1.5133	5.8016	2.6230
Se 196.026	-0.0208u	-1.4431u	2.9610
Sn 189.925	-3.3791u	-1.8491u	-2.6232u
Sr 216.596	-2.4389u	-1.7396u	-1.2873u
Ti 334.941	-0.2527u	-0.1482u	-0.0855u
Tl 190.794	1.3975	4.4554	5.8112
V 292.401	0.3722	0.2488	0.3440
Zn 206.200	-4.0580u	-1.8359u	-2.2288u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8705	ppb	0.4201	48.3	-40.2812	-0.87051
Al 308.215	2.1027	ppb	4.4445	211.4	-19.5720	2.10267
As 188.980	-1.0248	ppb	3.5472	346.1	-10.2233	-1.02485
B 249.678	2.4146	ppb	0.5035	20.9	220.739	2.41457
Ba 389.178	0.0439	ppb	0.4978	1132.8	22.1891	0.04394
Be 313.042	-0.4497	ppb	0.0416	9.3	-170.709	-0.44965
Ca 370.602	5.576	ppb	3.885	69.7	32.64	5.57648
Cd 226.502	-0.4284	ppb	0.0726	17.0	28.7716	-0.42838
Co 228.615	-0.3481	ppb	0.3694	106.1	-5.2949	-0.34813
Cr 267.716	-0.1099	ppb	0.3656	332.6	5.9549	-0.10991
Cu 324.754	0.1028	ppb	0.7786	757.3	216.166	0.10281
Fe 271.441	-2.7595	ppb	1.7547	63.6	109.717	-2.75955
K 766.491	-4.1475	ppb	1.1676	28.2	338.035	-4.14751
Mg 279.078	2.5738	ppb	1.1985	46.6	39.7513	2.57377
Mn 257.610	-0.0127	ppb	0.5457	4298.5	424.708	-0.01269
Mo 202.032	-0.2614	ppb	0.3299	126.2	19.6290	-0.26138
Na 330.237	-77.2882	ppb	162.058	209.7	52.0995	-77.28824
Ni 231.604	0.6912	ppb	0.3710	53.7	-2.7827	0.69123
Pb 220.353	0.8251	ppb	1.2868	156.0	29.3277	0.82512
Sb 206.834	3.3127	ppb	2.2258	67.2	0.2902	3.31265
Se 196.026	0.4990	ppb	2.2476	450.4	10.6199	0.49903
Sn 189.925	-2.6171	ppb	0.7650	29.2	-7.0144	-2.61715
Sr 216.596	-1.8219	ppb	0.5802	31.8	31.2465	-1.82195
Ti 334.941	-0.1621	ppb	0.0845	52.1	47.8538	-0.16213
Tl 190.794	3.8880	ppb	2.2609	58.2	-8.6626	3.88803
V 292.401	0.3217	ppb	0.0646	20.1	24.8879	0.32167
Zn 206.200	-2.7076	ppb	1.1859	43.8	0.5094	-2.70758

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89300-a-1-a (Samp) 4/18/2013, 5:36:32 AM Rack 4, Tube 3

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.6573u	-2.8000u	-2.6185u
Al 308.215	66160.3	65590.9	65221.2
As 188.980	26.2782	19.9064	19.7740
B 249.678	0.5617u	-0.0286u	-0.5171u
Ba 389.178	603.009	601.411	598.949
Be 313.042	2.1321	2.1228	2.1132
Ca 370.602	14084	14042	13985
Cd 226.502	1.5190	1.6741	1.7403
Co 228.615	20.5556	20.9261	20.0368
Cr 267.716	106.086	105.046	104.529
Cu 324.754	98.6695	98.1582	96.2619
Fe 271.441	72828.5	72660.9	72398.0
K 766.491	3001.03	3002.98	2990.26
Mg 279.078	4950.03	4936.62	4931.29
Mn 257.610	4115.51	4116.78	4098.84
Mo 202.032	4.5115	3.6645	3.9188
Na 330.237	213.305u	60.3302u	202.648u
Ni 231.604	31.5714	33.0089	33.4328
Pb 220.353	1088.45	1095.90	1089.88
Sb 206.834	3.9711	1.6974	3.4343
Se 196.026	-4.1356u	-14.0537u	-5.9116u
Sn 189.925	26.6594	27.2189	27.6179
Sr 216.596	51.2356	50.3035	50.6371
Ti 334.941	1153.74	1150.17	1143.66
Tl 190.794	2.9954u	0.7655u	-0.8421u
V 292.401	194.974	194.261	193.519
Zn 206.200	606.717	607.714	611.498

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6920	ppb	0.0956	3.6	-159.853
Al 308.215	65657.5	ppb	473.100	0.7	144513
As 188.980	21.9862	ppb	3.7175	16.9	3.1730
B 249.678	0.0053	ppb	0.5402	10118.6	109.453
Ba 389.178	601.123	ppb	2.0448	0.3	13023.8
Be 313.042	2.1227	ppb	0.0095	0.4	4302.69
Ca 370.602	14037	ppb	49.47	0.4	33691
Cd 226.502	1.6445	ppb	0.1136	6.9	258.900
Co 228.615	20.5062	ppb	0.4467	2.2	226.391
Cr 267.716	105.220	ppb	0.7931	0.8	3277.44
Cu 324.754	97.6965	ppb	1.2685	1.3	5309.98
Fe 271.441	72629.1	ppb	216.990	0.3	118790
K 766.491	2998.09	ppb	6.8531	0.2	95648.7
Mg 279.078	4939.31	ppb	9.6537	0.2	9820.37
Mn 257.610	4110.38	ppb	10.0104	0.2	952571
Mo 202.032	4.0316	ppb	0.4346	10.8	46.1935
Na 330.237	158.761	ppb	85.4100	53.8	32.5299
Ni 231.604	32.6710	ppb	0.9756	3.0	80.8457
Pb 220.353	1091.41	ppb	3.9537	0.4	1887.71
Sb 206.834	3.0343	ppb	1.1885	39.2	2.6301
Se 196.026	-8.0337	ppb	5.2886	65.8	7.5568
Sn 189.925	27.1654	ppb	0.4815	1.8	14.6460
Sr 216.596	50.7254	ppb	0.4723	0.9	562.173
Ti 334.941	1149.19	ppb	5.1120	0.4	293244
Tl 190.794	0.9730	ppb	1.9272	198.1	-20.7242
V 292.401	194.251	ppb	0.7274	0.4	5164.50
Zn 206.200	608.643	ppb	2.5221	0.4	786.481

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89300-a-2-a (Samp) 4/18/2013, 5:42:10 AM Rack 4, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5035u	0.1403	-0.2665u
Al 308.215	75814.1	75433.1	75209.0
As 188.980	89.1928	94.3654	92.2718
B 249.678	14.7717	14.2663u	15.3941
Ba 389.178	1879.22	1877.64	1876.05
Be 313.042	3.7709	3.7763	3.7635
Ca 370.602	41095	41001	41002
Cd 226.502	15.3544	15.3481	15.2181
Co 228.615	29.8163	30.2358	30.3007
Cr 267.716	143.942	143.689	143.340
Cu 324.754	464.170	462.499	459.986
Fe 271.441	146574	146003	146252
K 766.491	5475.75	5478.27	5464.42
Mg 279.078	9192.24	9184.14	9207.10
Mn 257.610	2589.10	2598.84	2592.46
Mo 202.032	7.6338	7.2059	6.9374
Na 330.237	-908.365u	-986.769u	-830.914u
Ni 231.604	83.6096	83.4808	82.5768
Pb 220.353	3280.81	3288.76	3292.37
Sb 206.834	13.1217	21.7730	20.4433
Se 196.026	0.0243	5.4402	3.7207
Sn 189.925	134.051	130.972	129.662
Sr 216.596	237.010	236.993	237.027
Ti 334.941	1961.11	1955.66	1953.92
Tl 190.794	-2.1659u	2.2352u	1.8888u
V 292.401	245.760	246.057	245.605
Zn 206.200	7565.72	7564.52	7607.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2099	ppb	0.3256	155.2	11.8262
Al 308.215	75485.4	ppb	305.915	0.4	166148
As 188.980	91.9433	ppb	2.6019	2.8	45.2464
B 249.678	14.8107	ppb	0.5649	3.8	196.140
Ba 389.178	1877.64	ppb	1.5869	0.1	40514.3
Be 313.042	3.7702	ppb	0.0064	0.2	7173.52
Ca 370.602	41033	ppb	53.97	0.1	102602
Cd 226.502	15.3069	ppb	0.0770	0.5	884.234
Co 228.615	30.1176	ppb	0.2629	0.9	338.118
Cr 267.716	143.657	ppb	0.3025	0.2	4470.34
Cu 324.754	462.219	ppb	2.1058	0.5	24281.9
Fe 271.441	146276	ppb	286.373	0.2	239126
K 766.491	5472.81	ppb	7.3772	0.1	174213
Mg 279.078	9194.49	ppb	11.6427	0.1	18342.1
Mn 257.610	2593.47	ppb	4.9466	0.2	601498
Mo 202.032	7.2590	ppb	0.3512	4.8	65.4078
Na 330.237	-908.683	ppb	77.9282	8.6	-82.0726
Ni 231.604	83.2224	ppb	0.5628	0.7	212.180
Pb 220.353	3287.31	ppb	5.9143	0.2	5629.06
Sb 206.834	18.4460	ppb	4.6586	25.3	19.8198
Se 196.026	3.0617	ppb	2.7675	90.4	12.2737
Sn 189.925	131.562	ppb	2.2532	1.7	90.5674
Sr 216.596	237.010	ppb	0.0170	0.0	2377.01
Ti 334.941	1956.90	ppb	3.7496	0.2	499294
Tl 190.794	0.6527	ppb	2.4471	374.9	-22.4827
V 292.401	245.808	ppb	0.2295	0.1	6537.68
Zn 206.200	7579.13	ppb	24.2690	0.3	9750.91

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89300-a-3-a (Samp) 4/18/2013, 5:47:48 AM Rack 4, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.7394u	-1.8778u	-2.2887u
Al 308.215	87620.8	87213.9	86639.8
As 188.980	21.9881	26.2116	19.3932
B 249.678	9.7471	9.6015	10.1220
Ba 389.178	640.589	638.723	637.985
Be 313.042	2.1511	2.1348	2.1294
Ca 370.602	9658	9595	9591
Cd 226.502	0.8295	0.8458	1.3133
Co 228.615	23.0157	23.5319	21.5975
Cr 267.716	90.4488	90.2928	89.8286
Cu 324.754	144.810	145.146	145.789
Fe 271.441	89636.9	89361.6	89475.5
K 766.491	16620.5	16570.4	16600.5
Mg 279.078	11319.3	11279.2	11275.1
Mn 257.610	698.218	695.527	697.463
Mo 202.032	9.2272	9.3327	10.4376
Na 330.237	436.913u	868.526u	751.096u
Ni 231.604	40.4321	39.1199	41.9079
Pb 220.353	350.636	352.865	350.490
Sb 206.834	-0.8412	3.0397	6.2290
Se 196.026	-9.8041u	-11.6351u	-4.9988u
Sn 189.925	35.7157	34.0753	33.3756
Sr 216.596	177.196	176.459	176.087
Ti 334.941	4245.68	4232.82	4221.97
Tl 190.794	-2.7756u	-1.2775u	0.6816u
V 292.401	153.282	152.098	152.890
Zn 206.200	341.592	342.408	344.830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9687	ppb	0.2857	14.5	-126.949
Al 308.215	87158.2	ppb	492.857	0.6	191846
As 188.980	22.5310	ppb	3.4415	15.3	3.2943
B 249.678	9.8235	ppb	0.2685	2.7	203.664
Ba 389.178	639.099	ppb	1.3422	0.2	13875.8
Be 313.042	2.1385	ppb	0.0113	0.5	4330.79
Ca 370.602	9615	ppb	37.52	0.4	20812
Cd 226.502	0.9962	ppb	0.2747	27.6	274.133
Co 228.615	22.7150	ppb	1.0017	4.4	317.430
Cr 267.716	90.1901	ppb	0.3226	0.4	2811.19
Cu 324.754	145.248	ppb	0.4973	0.3	7787.71
Fe 271.441	89491.3	ppb	138.315	0.2	146343
K 766.491	16597.1	ppb	25.2560	0.2	527372
Mg 279.078	11291.2	ppb	24.4461	0.2	22540.6
Mn 257.610	697.069	ppb	1.3879	0.2	162171
Mo 202.032	9.6659	ppb	0.6705	6.9	85.4324
Na 330.237	685.512	ppb	223.155	32.6	32.4386
Ni 231.604	40.4866	ppb	1.3948	3.4	101.268
Pb 220.353	351.330	ppb	1.3310	0.4	623.847
Sb 206.834	2.8092	ppb	3.5408	126.0	2.5721
Se 196.026	-8.8127	ppb	3.4275	38.9	6.3905
Sn 189.925	34.3889	ppb	1.2011	3.5	19.8965
Sr 216.596	176.580	ppb	0.5645	0.3	1774.55
Ti 334.941	4233.49	ppb	11.8680	0.3	1079990
Tl 190.794	-1.1238	ppb	1.7337	154.3	-18.7731
V 292.401	152.757	ppb	0.6033	0.4	4114.09
Zn 206.200	342.943	ppb	1.6843	0.5	444.810

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680-89328-b-8-a (Samp) **4/18/2013, 5:53:26 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-10.7628u	-11.1877u	-11.2573u
Al 308.215	128446	127605	126828
As 188.980	367.929	360.280	363.068
B 249.678	-14.5629u	-13.1953u	-13.4361u
Ba 389.178	5980.57	5963.50	5963.98
Be 313.042	20.1830	20.1323	20.1137
Ca 370.602	114827	114490	114417
Cd 226.502	40.0950	39.9665	41.0863
Co 228.615	269.800	269.117	272.232
Cr 267.716	812.549	807.720	804.707
Cu 324.754	1342.66	1339.76	1339.35
Fe 271.441	653459	649313	651056
K 766.491	9875.05	9890.85	9899.49
Mg 279.078	13382.7	13357.4	13365.4
Mn 257.610	38235.9x	38171.5x	38174.8x
Mo 202.032	24.5031	23.7005	23.4920
Na 330.237	-1292.03u	-1734.03u	-1806.90u
Ni 231.604	241.162	241.520	238.989
Pb 220.353	3440.01	3430.52	3433.06
Sb 206.834	50.9852	50.0416	47.5957
Se 196.026	-17.2263	-6.3904	5.0812
Sn 189.925	93.5219	95.7354	97.9086
Sr 216.596	344.083	342.689	341.542
Ti 334.941	1699.72	1695.07	1690.37
Tl 190.794	59.5346u	57.3855u	54.5938u
V 292.401	680.553	679.744	680.504
Zn 206.200	12339.1	12305.0	12331.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-11.0693b	ppb	0.2677	2.4	-646.789
Al 308.215	127626b	ppb	809.079	0.6	280929
As 188.980	363.759b	ppb	3.8711	1.1	206.233
B 249.678	-13.7314b	ppb	0.7300	5.3	-715.224
Ba 389.178	5969.35b	ppb	9.7212	0.2	128962
Be 313.042	20.1430b	ppb	0.0359	0.2	35637.0
Ca 370.602	114578b	ppb	218.6	0.2	269613
Cd 226.502	40.3826b	ppb	0.6128	1.5	2847.62
Co 228.615	270.383b	ppb	1.6373	0.6	2711.74
Cr 267.716	808.325b	ppb	3.9557	0.5	25141.8
Cu 324.754	1340.59b	ppb	1.8052	0.1	70095.4
Fe 271.441	651276b	ppb	2081.82	0.3	1064298
K 766.491	9888.46b	ppb	12.3918	0.1	314394
Mg 279.078	13368.5b	ppb	12.9234	0.1	26200.9
Mn 257.610	38194.1xb	ppb	36.2671	0.1	8847591
Mo 202.032	23.8985b	ppb	0.5339	2.2	157.997
Na 330.237	-1610.99b	ppb	278.615	17.3	-269.035
Ni 231.604	240.557b	ppb	1.3695	0.6	626.526
Pb 220.353	3434.53b	ppb	4.9123	0.1	5887.54
Sb 206.834	49.5408b	ppb	1.7494	3.5	68.0963
Se 196.026	-6.1785b	ppb	11.1552	180.5	15.7801
Sn 189.925	95.7220b	ppb	2.1934	2.3	64.5212
Sr 216.596	342.771b	ppb	1.2725	0.4	3578.43
Ti 334.941	1695.06b	ppb	4.6729	0.3	432576
Tl 190.794	57.1713b	ppb	2.4774	4.3	-42.8902
V 292.401	680.267b	ppb	0.4532	0.1	17982.6
Zn 206.200	12325.3b	ppb	17.9555	0.1	15853.1

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680-89328-b-8-aSD^5 (Samp) **4/18/2013, 5:59:04 AM** **Rack 4, Tube 7****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.2043u	-2.5172u	-3.5113u
Al 308.215	27867.0	27441.1	26812.7
As 188.980	78.6012	70.3720	75.9806
B 249.678	-10.8450u	-9.7987u	-8.6462u
Ba 389.178	1326.91	1311.16	1294.88
Be 313.042	4.0632	3.9960	3.9384
Ca 370.602	25221	24932	24659
Cd 226.502	8.1333	7.6118	7.4957
Co 228.615	61.0020	59.1616	59.6372
Cr 267.716	181.291	177.622	174.924
Cu 324.754	283.987	279.149	273.281
Fe 271.441	148992	146979	144861
K 766.491	1860.95	1846.17	1829.62
Mg 279.078	3043.44	3014.90	2970.95
Mn 257.610	9615.20	9462.72	9344.39
Mo 202.032	4.4010	4.5942	5.0003
Na 330.237	-262.429u	-490.663u	-278.938u
Ni 231.604	56.3722	54.0219	53.9849
Pb 220.353	777.197	766.866	759.306
Sb 206.834	9.4202	12.5365	10.1060
Se 196.026	-3.8624	2.5164	-6.6155u
Sn 189.925	18.1470	22.4219	20.2259
Sr 216.596	76.0181	74.1550	72.7949
Ti 334.941	373.343	368.228	361.917
Tl 190.794	14.7524u	17.0503u	16.2522u
V 292.401	150.742	148.045	146.723
Zn 206.200	2803.57	2768.66	2744.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0776	ppb	0.5090	16.5	-166.013
Al 308.215	27373.6	ppb	530.392	1.9	60235.4
As 188.980	74.9846	ppb	4.2040	5.6	34.7811
B 249.678	-9.7633	ppb	1.0998	11.3	-88.9608
Ba 389.178	1310.98	ppb	16.0133	1.2	28344.1
Be 313.042	3.9992	ppb	0.0625	1.6	7564.92
Ca 370.602	24938	ppb	281.0	1.1	58372
Cd 226.502	7.7469	ppb	0.3396	4.4	629.352
Co 228.615	59.9336	ppb	0.9553	1.6	599.397
Cr 267.716	177.946	ppb	3.1959	1.8	5545.52
Cu 324.754	278.806	ppb	5.3612	1.9	14748.3
Fe 271.441	146944	ppb	2065.61	1.4	240220
K 766.491	1845.58	ppb	15.6721	0.8	59060.6
Mg 279.078	3009.76	ppb	36.5158	1.2	5912.77
Mn 257.610	9474.10	ppb	135.765	1.4	2194939
Mo 202.032	4.6652	ppb	0.3059	6.6	47.1441
Na 330.237	-344.010	ppb	127.273	37.0	-16.7057
Ni 231.604	54.7930	ppb	1.3678	2.5	139.155
Pb 220.353	767.789	ppb	8.9811	1.2	1338.06
Sb 206.834	10.6876	ppb	1.6375	15.3	12.5268
Se 196.026	-2.6538	ppb	4.6843	176.5	11.2212
Sn 189.925	20.2649	ppb	2.1377	10.5	9.6306
Sr 216.596	74.3227	ppb	1.6181	2.2	816.104
Ti 334.941	367.829	ppb	5.7233	1.6	93940.3
Tl 190.794	16.0183	ppb	1.1667	7.3	-17.4850
V 292.401	148.503	ppb	2.0479	1.4	3938.42
Zn 206.200	2772.16	ppb	29.8206	1.1	3568.72

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680-89328-b-8-aPDS (Samp) **4/18/2013, 6:04:41 AM** **Rack 4, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	37.7407	38.4439	37.5506
Al 308.215	128247	128263	127753
As 188.980	2526.95	2513.11	2537.90
B 249.678	977.291	982.141	990.895
Ba 389.178	7782.97	7764.83	7766.17
Be 313.042	70.0837	70.1043	70.0141
Ca 370.602	117262	117321	117165
Cd 226.502	88.0750	88.4420	88.8411
Co 228.615	763.800	761.418	763.421
Cr 267.716	1000.90	998.997	993.582
Cu 324.754	1566.52	1585.48	1576.50
Fe 271.441	640910	638487	638217
K 766.491	15629.6	15607.3	15628.3
Mg 279.078	18026.8	17992.3	17993.4
Mn 257.610	37994.6x	37999.2x	38005.7x
Mo 202.032	506.496	505.768	506.739
Na 330.237	3821.73u	3705.05u	3929.04u
Ni 231.604	730.755	733.019	737.811
Pb 220.353	3845.16	3849.39	3841.69
Sb 206.834	519.550	507.950	510.680
Se 196.026	2001.04	2009.56	2026.67
Sn 189.925	1051.38	1064.46	1052.62
Sr 216.596	824.642	824.849	822.553
Ti 334.941	2542.48	2536.12	2533.52
Tl 190.794	1909.78	1930.44	1917.40
V 292.401	1152.47	1151.96	1153.99
Zn 206.200	12593.1	12559.3	12580.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	37.9118b	ppb	0.4705	1.2	3023.68
Al 308.215	128088b	ppb	289.843	0.2	281967
As 188.980	2525.99b	ppb	12.4226	0.5	1522.47
B 249.678	983.442b	ppb	6.8950	0.7	10835.1
Ba 389.178	7771.33b	ppb	10.1067	0.1	167616
Be 313.042	70.0674b	ppb	0.0473	0.1	122370
Ca 370.602	117249b	ppb	78.49	0.1	277949
Cd 226.502	88.4527b	ppb	0.3831	0.4	4449.61
Co 228.615	762.880b	ppb	1.2800	0.2	7621.94
Cr 267.716	997.828b	ppb	3.7986	0.4	30981.7
Cu 324.754	1576.16b	ppb	9.4835	0.6	82346.8
Fe 271.441	639205b	ppb	1482.77	0.2	1044652
K 766.491	15621.7b	ppb	12.5090	0.1	496406
Mg 279.078	18004.2b	ppb	19.6271	0.1	35449.5
Mn 257.610	37999.8xb	ppb	5.5918	0.0	8802600
Mo 202.032	506.334b	ppb	0.5056	0.1	3581.97
Na 330.237	3818.60b	ppb	112.026	2.9	-36.2047
Ni 231.604	733.861b	ppb	3.6025	0.5	1893.28
Pb 220.353	3845.41b	ppb	3.8522	0.1	6586.42
Sb 206.834	512.727b	ppb	6.0651	1.2	519.734
Se 196.026	2012.42b	ppb	13.0498	0.6	949.980
Sn 189.925	1056.16b	ppb	7.2218	0.7	762.918
Sr 216.596	824.015b	ppb	1.2700	0.2	8166.36
Ti 334.941	2537.37b	ppb	4.6129	0.2	647445
Tl 190.794	1919.21b	ppb	10.4493	0.5	1747.64
V 292.401	1152.81b	ppb	1.0539	0.1	30392.9
Zn 206.200	12577.5b	ppb	17.0393	0.1	16177.0

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89328-b-8-b ms (Samp) 4/18/2013, 6:10:19 AM Rack 4, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	6.3805	6.5694	6.4212
Al 308.215	134701	134239	134026
As 188.980	402.818	393.806	400.168
B 249.678	175.701	174.397	174.765
Ba 389.178	5431.74	5430.40	5438.48
Be 313.042	70.1227	70.1220	70.3001
Ca 370.602	124754	124510	124572
Cd 226.502	90.8231	91.2528	91.4401
Co 228.615	368.251	373.500	370.439
Cr 267.716	1035.21	1030.66	1030.35
Cu 324.754	1622.57	1570.30	1597.86
Fe 271.441	559004	558121	559286
K 766.491	15458.9	15487.0	15556.4
Mg 279.078	17480.3	17485.9	17478.4
Mn 257.610	40013.8x	39808.0x	39991.7x
Mo 202.032	123.722	124.205	123.862
Na 330.237	4095.75u	4077.27u	4221.08u
Ni 231.604	341.958	339.998	343.905
Pb 220.353	3279.94	3281.00	3269.69
Sb 206.834	306.245	307.993	309.673
Se 196.026	92.2934	92.6858	94.7827
Sn 189.925	407.569	407.421	426.980
Sr 216.596	496.702	496.523	492.900
Ti 334.941	1825.43	1825.23	1826.38
Tl 190.794	107.078	103.255	102.720
V 292.401	718.313	717.687	719.206
Zn 206.200	10882.0	10898.6	10885.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.4571b	ppb	0.0994	1.5	675.271
Al 308.215	134322b	ppb	345.086	0.3	295673
As 188.980	398.931b	ppb	4.6316	1.2	228.644
B 249.678	174.954b	ppb	0.6725	0.4	1574.32
Ba 389.178	5433.54b	ppb	4.3251	0.1	117357
Be 313.042	70.1816b	ppb	0.1026	0.1	122643
Ca 370.602	124612b	ppb	126.3	0.1	303643
Cd 226.502	91.1720b	ppb	0.3163	0.3	4365.26
Co 228.615	370.730b	ppb	2.6364	0.7	3714.38
Cr 267.716	1032.08b	ppb	2.7203	0.3	32033.0
Cu 324.754	1596.91b	ppb	26.1456	1.6	83394.4
Fe 271.441	558804b	ppb	608.228	0.1	913221
K 766.491	15500.8b	ppb	50.2223	0.3	492565
Mg 279.078	17481.5b	ppb	3.9154	0.0	34361.8
Mn 257.610	39937.8xb	ppb	112.966	0.3	9251199
Mo 202.032	123.930b	ppb	0.2484	0.2	872.468
Na 330.237	4131.37b	ppb	78.2423	1.9	13.1113
Ni 231.604	341.954b	ppb	1.9539	0.6	885.080
Pb 220.353	3276.88b	ppb	6.2500	0.2	5618.97
Sb 206.834	307.970b	ppb	1.7140	0.6	321.731
Se 196.026	93.2540b	ppb	1.3384	1.4	62.2870
Sn 189.925	413.990b	ppb	11.2498	2.7	295.963
Sr 216.596	495.375b	ppb	2.1457	0.4	5004.50
Ti 334.941	1825.68b	ppb	0.6125	0.0	465902
Tl 190.794	104.351b	ppb	2.3767	2.3	4.5825
V 292.401	718.402b	ppb	0.7634	0.1	18960.9
Zn 206.200	10888.7b	ppb	8.7944	0.1	14904.9

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680-89328-b-8-c msd (Samp) 4/18/2013, 6:15:57 AM Rack 4, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.7245	8.5731	9.4422
Al 308.215	133840	133466	132569
As 188.980	507.012	521.678	517.620
B 249.678	139.509	141.046	144.117
Ba 389.178	5349.47	5349.48	5343.02
Be 313.042	69.4584	69.4254	69.3353
Ca 370.602	104853	104880	104788
Cd 226.502	94.7754	96.1072	96.4762
Co 228.615	354.189	356.891	353.111
Cr 267.716	1359.09	1355.92	1346.34
Cu 324.754	9759.91	9663.42	9783.55
Fe 271.441	1020907x	1014788x	1015179x
K 766.491	15452.9	15438.0	15486.4
Mg 279.078	16859.4	16862.4	16817.3
Mn 257.610	28642.9	28543.9	28634.4
Mo 202.032	125.535	125.944	125.213
Na 330.237	4357.78u	4465.21u	4510.08u
Ni 231.604	381.628	382.791	382.905
Pb 220.353	4469.50	4479.29	4457.25
Sb 206.834	94.5911	96.1132	99.8413
Se 196.026	90.8640	93.9272	107.928
Sn 189.925	1374.11	1367.60	1346.93
Sr 216.596	445.732	446.910	441.608
Ti 334.941	1837.29	1836.66	1830.69
Tl 190.794	67.9213u	71.1957u	69.6635u
V 292.401	740.244	739.530	739.648
Zn 206.200	11206.7	11224.9	11203.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.2466b	ppb	0.6001	6.5	833.845
Al 308.215	133292b	ppb	653.469	0.5	293406
As 188.980	515.437b	ppb	7.5726	1.5	294.760
B 249.678	141.557b	ppb	2.3464	1.7	660.576
Ba 389.178	5347.32b	ppb	3.7275	0.1	116106
Be 313.042	69.4064b	ppb	0.0637	0.1	121282
Ca 370.602	104840b	ppb	46.95	0.0	217197
Cd 226.502	95.7863b	ppb	0.8946	0.9	5531.83
Co 228.615	354.730b	ppb	1.9471	0.5	3542.22
Cr 267.716	1353.78b	ppb	6.6383	0.5	41992.5
Cu 324.754	9735.63b	ppb	63.6427	0.7	506630
Fe 271.441	1016958xb	ppb	3425.39	0.3	1661809
K 766.491	15459.1b	ppb	24.7968	0.2	491243
Mg 279.078	16846.4b	ppb	25.1964	0.1	33345.2
Mn 257.610	28607.1b	ppb	54.8927	0.2	6628374
Mo 202.032	125.564b	ppb	0.3664	0.3	861.601
Na 330.237	4444.36b	ppb	78.2665	1.8	-91.5374
Ni 231.604	382.441b	ppb	0.7066	0.2	998.344
Pb 220.353	4468.68b	ppb	11.0436	0.2	7647.51
Sb 206.834	96.8485b	ppb	2.7012	2.8	127.526
Se 196.026	97.5731b	ppb	9.0976	9.3	61.2461
Sn 189.925	1362.88b	ppb	14.1903	1.0	985.944
Sr 216.596	444.750b	ppb	2.7838	0.6	4682.73
Ti 334.941	1834.88b	ppb	3.6426	0.2	468295
Tl 190.794	69.5935b	ppb	1.6383	2.4	-35.4103
V 292.401	739.807b	ppb	0.3823	0.1	19507.9
Zn 206.200	11211.7b	ppb	11.5218	0.1	14419.6

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89328-b-10-a (Samp) 4/18/2013, 6:21:35 AM Rack 4, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.6377	1.7040	1.8943
Al 308.215	81603.2	81836.8	81179.5
As 188.980	458.673	452.224	454.478
B 249.678	30.0021u	29.4839u	30.2721u
Ba 389.178	2865.93	2868.03	2871.87
Be 313.042	9.5866	9.6901	9.8014
Ca 370.602	123198	123329	122979
Cd 226.502	24.9649	25.0715	25.6072
Co 228.615	107.474	107.331	108.763
Cr 267.716	278.365	280.556	279.379
Cu 324.754	3144.06	3128.99	3202.51
Fe 271.441	440036	441017	440478
K 766.491	14015.2	14040.9	14093.3
Mg 279.078	41498.5	41431.4	41413.4
Mn 257.610	9895.24	9935.10	9965.06
Mo 202.032	24.6712	25.8605	24.1841
Na 330.237	1035.31u	1177.72u	1379.63u
Ni 231.604	226.323	225.149	226.741
Pb 220.353	3003.96	2994.37	3001.74
Sb 206.834	21.1508	23.2847	12.7884
Se 196.026	10.0185	10.5587	18.9407
Sn 189.925	1721.33	1726.09	1718.17
Sr 216.596	436.373	435.678	434.394
Ti 334.941	759.259	761.296	760.908
Tl 190.794	17.3675u	8.3963u	15.4483u
V 292.401	246.469	247.419	249.067
Zn 206.200	8185.58	8166.88	8206.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0786	ppb	0.4934	23.7	207.062
Al 308.215	81539.8	ppb	333.204	0.4	179477
As 188.980	455.125	ppb	3.2730	0.7	264.058
B 249.678	29.9194	ppb	0.4006	1.3	32.1399
Ba 389.178	2868.61	ppb	3.0133	0.1	62236.0
Be 313.042	9.6927	ppb	0.1074	1.1	17488.7
Ca 370.602	123169	ppb	176.7	0.1	307024
Cd 226.502	25.2145	ppb	0.3442	1.4	1869.41
Co 228.615	107.856	ppb	0.7888	0.7	1075.74
Cr 267.716	279.434	ppb	1.0967	0.4	8721.30
Cu 324.754	3158.52	ppb	38.8362	1.2	164541
Fe 271.441	440510	ppb	491.424	0.1	719894
K 766.491	14049.8	ppb	39.8223	0.3	446503
Mg 279.078	41447.8	ppb	44.8445	0.1	82621.6
Mn 257.610	9931.80	ppb	35.0251	0.4	2301965
Mo 202.032	24.9053	ppb	0.8624	3.5	176.248
Na 330.237	1197.55	ppb	173.011	14.4	-60.8063
Ni 231.604	226.071	ppb	0.8254	0.4	585.038
Pb 220.353	3000.02	ppb	5.0226	0.2	5141.66
Sb 206.834	19.0746	ppb	5.5476	29.1	28.4917
Se 196.026	13.1727	ppb	5.0026	38.0	18.3847
Sn 189.925	1721.86	ppb	3.9866	0.2	1247.00
Sr 216.596	435.481	ppb	1.0040	0.2	4392.19
Ti 334.941	760.488	ppb	1.0816	0.1	194286
Tl 190.794	13.7373	ppb	4.7240	34.4	-34.7175
V 292.401	247.652	ppb	1.3147	0.5	6557.28
Zn 206.200	8186.29	ppb	19.7791	0.2	10531.4

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89328-b-15-a (Samp) 4/18/2013, 6:27:13 AM Rack 4, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6861u	-2.2630u	-2.2408u
Al 308.215	153695	153654	153698
As 188.980	345.292	335.130	348.158
B 249.678	-20.0538u	-17.1642u	-15.8374u
Ba 389.178	2686.47	2692.86	2688.83
Be 313.042	20.4129	20.4289	20.4331
Ca 370.602	70395	70373	70336
Cd 226.502	30.8120	31.0366	30.7453
Co 228.615	227.376	221.212	229.240
Cr 267.716	796.816	793.966	790.291
Cu 324.754	496.851	495.816	494.062
Fe 271.441	721883	719674	721008
K 766.491	12364.1	12384.7	12403.0
Mg 279.078	31246.2	31219.9	31234.0
Mn 257.610	23422.1	23609.4	23304.1
Mo 202.032	18.9642	18.5851	19.6480
Na 330.237	722.688u	996.076u	474.135u
Ni 231.604	222.743	226.114	228.562
Pb 220.353	2437.30	2445.28	2441.72
Sb 206.834	3.4432	5.7498	11.8155
Se 196.026	-16.2459u	-3.6444	-5.9130
Sn 189.925	76.7622	84.5163	77.6947
Sr 216.596	271.217	269.754	270.604
Ti 334.941	1201.02	1201.77	1202.08
Tl 190.794	32.0814u	28.1777u	32.6394u
V 292.401	1058.31	1059.54	1060.33
Zn 206.200	4917.97	4909.55	4924.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0633	ppb	0.3269	15.8	-31.0167
Al 308.215	153682	ppb	24.2949	0.0	338286
As 188.980	342.860	ppb	6.8460	2.0	192.434
B 249.678	-17.6851	ppb	2.1559	12.2	-841.300
Ba 389.178	2689.39	ppb	3.2323	0.1	58735.5
Be 313.042	20.4250	ppb	0.0107	0.1	36105.7
Ca 370.602	70368	ppb	29.61	0.0	143197
Cd 226.502	30.8647	ppb	0.1526	0.5	2678.97
Co 228.615	225.943	ppb	4.2013	1.9	2256.24
Cr 267.716	793.691	ppb	3.2710	0.4	24657.5
Cu 324.754	495.576	ppb	1.4102	0.3	26184.4
Fe 271.441	720855	ppb	1112.80	0.2	1177981
K 766.491	12383.9	ppb	19.4935	0.2	393617
Mg 279.078	31233.4	ppb	13.1155	0.0	62068.1
Mn 257.610	23445.2	ppb	153.974	0.7	5432218
Mo 202.032	19.0657	ppb	0.5387	2.8	119.579
Na 330.237	730.967	ppb	261.069	35.7	-134.524
Ni 231.604	225.806	ppb	2.9217	1.3	590.056
Pb 220.353	2441.43	ppb	3.9968	0.2	4191.97
Sb 206.834	7.0029	ppb	4.3245	61.8	27.7806
Se 196.026	-8.6011	ppb	6.7170	78.1	11.1812
Sn 189.925	79.6577	ppb	4.2334	5.3	52.8222
Sr 216.596	270.525	ppb	0.7345	0.3	2907.23
Ti 334.941	1201.62	ppb	0.5461	0.0	306797
Tl 190.794	30.9662	ppb	2.4309	7.9	-50.5612
V 292.401	1059.39	ppb	1.0161	0.1	28004.2
Zn 206.200	4917.22	ppb	7.3189	0.1	6325.83

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/18/2013, 6:32:51 AM Rack 4, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	489.489	495.371	496.057
Al 308.215	5022.16	5087.54	5064.43
As 188.980	503.610	503.330	503.572
B 249.678	530.340	538.198	540.986
Ba 389.178	4948.89	4995.81	4994.47
Be 313.042	528.159	533.096	534.047
Ca 370.602	5088	5143	5119
Cd 226.502	524.279	530.680	530.654
Co 228.615	525.113	531.755	532.215
Cr 267.716	5174.46	5216.03	5184.01
Cu 324.754	5192.82	5267.02	5290.45
Fe 271.441	6345.20	6477.27	6480.39
K 766.491	9898.11	9936.99	9972.80
Mg 279.078	5221.53	5269.89	5275.04
Mn 257.610	5346.84	5417.92	5406.49
Mo 202.032	490.147	494.995	494.770
Na 330.237	7660.89	7807.87	7665.92
Ni 231.604	2661.28	2675.34	2679.34
Pb 220.353	508.594	508.892	512.576
Sb 206.834	931.494	952.505	943.910
Se 196.026	5185.48	5218.69	5242.49
Sn 189.925	4982.97	5091.97	5034.75
Sr 216.596	2525.00	2549.11	2534.71
Ti 334.941	485.823	491.052	489.545
Tl 190.794	5022.37	5057.85	5043.67
V 292.401	4968.80	5029.64	5033.02
Zn 206.200	2726.29	2753.99	2751.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.639	ppb	3.6106	0.7	37152.4	98.72781
Al 308.215	5058.04	ppb	33.1567	0.7	11101.4	101.16085
As 188.980	503.504	ppb	0.1518	0.0	296.749	100.70084
B 249.678	536.508	ppb	5.5204	1.0	6391.89	21.46032Q
Ba 389.178	4979.72	ppb	26.7082	0.5	106880	99.59446
Be 313.042	531.767	ppb	3.1607	0.6	925116	106.35342
Ca 370.602	5117	ppb	27.58	0.5	13830	102.33310
Cd 226.502	528.538	ppb	3.6882	0.7	17978.1	105.70753
Co 228.615	529.694	ppb	3.9747	0.8	5281.83	105.93888
Cr 267.716	5191.50	ppb	21.7728	0.4	160103	103.82994
Cu 324.754	5250.10	ppb	50.9681	1.0	273103	105.00193
Fe 271.441	6434.29	ppb	77.1704	1.2	10752.1	128.68575Q
K 766.491	9935.97	ppb	37.3567	0.4	315903	99.35966
Mg 279.078	5255.48	ppb	29.5166	0.6	10436.7	105.10969
Mn 257.610	5390.42	ppb	38.1695	0.7	1248835	107.80835
Mo 202.032	493.304	ppb	2.7366	0.6	3513.31	98.66084
Na 330.237	7711.56	ppb	83.4492	1.1	369.551	102.82079
Ni 231.604	2671.98	ppb	9.4845	0.4	6858.37	106.87936
Pb 220.353	510.021	ppb	2.2181	0.4	897.118	102.00414
Sb 206.834	942.636	ppb	10.5634	1.1	974.865	94.26363
Se 196.026	5215.55	ppb	28.6341	0.5	2425.45	104.31110
Sn 189.925	5036.56	ppb	54.5238	1.1	3657.31	100.73123
Sr 216.596	2536.27	ppb	12.1327	0.5	24318.2	101.45090
Ti 334.941	488.806	ppb	2.6915	0.6	124791	97.76127
Tl 190.794	5041.30	ppb	17.8576	0.4	4826.68	100.82594
V 292.401	5010.48	ppb	36.1416	0.7	132143	100.20966
Zn 206.200	2743.95	ppb	15.3439	0.6	3519.52	109.75816

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/18/2013, 6:38:29 AM Rack 4, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0760u	-1.2049u	-0.5369u
Al 308.215	5.8255	5.1583	12.5814
As 188.980	2.5405	-4.6236u	-1.5387u
B 249.678	4.1166	2.8062	1.2215
Ba 389.178	0.0906	-0.3041u	0.9876
Be 313.042	-0.4467u	-0.4108u	-0.3792u
Ca 370.602	2.923	7.927	5.483
Cd 226.502	-0.3526u	-0.4190u	-0.1462u
Co 228.615	-0.0391u	-0.8438u	-0.3449u
Cr 267.716	-0.2931u	0.1863	0.7808
Cu 324.754	1.0828	0.6517	1.1616
Fe 271.441	25.3526	37.3141	69.2286
K 766.491	-3.7796u	-2.8537u	-1.9481u
Mg 279.078	6.3430	0.9257	6.8322
Mn 257.610	1.2066	2.1414	3.5293
Mo 202.032	-0.1742u	0.0443	-0.1267u
Na 330.237	38.8138	-17.5846u	-34.4498u
Ni 231.604	-0.9650u	0.9610	0.6630
Pb 220.353	3.0940	3.6733	6.2682
Sb 206.834	3.1318	-0.0609u	2.8849
Se 196.026	7.9165	3.4606	-1.0803u
Sn 189.925	-0.4049u	-6.2180u	-0.1680u
Sr 216.596	-2.7143u	-1.6165u	-0.7851u
Ti 334.941	-0.2465u	-0.1366u	-0.0472u
Tl 190.794	1.8899	2.7838	-0.6828u
V 292.401	0.4350	0.5672	0.5469
Zn 206.200	9.0721	8.5844	9.2434

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.9393	ppb	0.3544	37.7	-45.4558	-0.93927
Al 308.215	7.8551	ppb	4.1067	52.3	-6.8918	7.85508
As 188.980	-1.2073	ppb	3.5935	297.7	-10.3350	-1.20726
B 249.678	2.7147	ppb	1.4497	53.4	224.158	2.71473
Ba 389.178	0.2581	ppb	0.6619	256.5	26.8511	0.25806
Be 313.042	-0.4122	ppb	0.0338	8.2	-105.640	-0.41221
Ca 370.602	5.445	ppb	2.502	46.0	29.09	5.44465
Cd 226.502	-0.3060	ppb	0.1423	46.5	33.0260	-0.30595
Co 228.615	-0.4093	ppb	0.4062	99.2	-5.9131	-0.40927
Cr 267.716	0.2247	ppb	0.5380	239.4	16.2842	0.22469
Cu 324.754	0.9654	ppb	0.2745	28.4	261.029	0.96538
Fe 271.441	43.9651	ppb	22.6815	51.6	186.145	43.96513Z
K 766.491	-2.8605	ppb	0.9158	32.0	378.893	-2.86050
Mg 279.078	4.7003	ppb	3.2780	69.7	43.9633	4.70028
Mn 257.610	2.2924	ppb	1.1687	51.0	958.690	2.29243
Mo 202.032	-0.0855	ppb	0.1149	134.3	20.8745	-0.08555
Na 330.237	-4.4069	ppb	38.3683	870.6	55.1920	-4.40689
Ni 231.604	0.2197	ppb	1.0367	471.9	-3.9928	0.21969
Pb 220.353	4.3452	ppb	1.6904	38.9	35.3263	4.34518
Sb 206.834	1.9853	ppb	1.7763	89.5	-1.0156	1.98528
Se 196.026	3.4322	ppb	4.4985	131.1	11.9779	3.43224
Sn 189.925	-2.2636	ppb	3.4266	151.4	-6.7574	-2.26362
Sr 216.596	-1.7053	ppb	0.9676	56.7	32.3689	-1.70530
Ti 334.941	-0.1434	ppb	0.0998	69.6	52.6538	-0.14341
Tl 190.794	1.3303	ppb	1.7998	135.3	-11.1259	1.33029
V 292.401	0.5164	ppb	0.0712	13.8	29.9447	0.51641
Zn 206.200	8.9666	ppb	0.3419	3.8	15.5220	8.96664

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89328-a-33-a (Samp) 4/18/2013, 6:44:07 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.6480	4.9480	4.8152
Al 308.215	143608	143618	142119
As 188.980	266.251	269.034	266.730
B 249.678	14.4935u	17.2432u	15.4375u
Ba 389.178	2918.48	2916.07	2910.39
Be 313.042	16.4135	16.4035	16.3604
Ca 370.602	92004	91860	91671
Cd 226.502	24.0899	24.3524	24.8232
Co 228.615	158.114	157.214	155.778
Cr 267.716	604.032	603.145	598.503
Cu 324.754	497.897	501.529	498.520
Fe 271.441	516540	516410	513666
K 766.491	13558.1	13586.2	13586.3
Mg 279.078	38902.2	38875.8	38840.6
Mn 257.610	17971.6	17933.4	17924.8
Mo 202.032	16.6070	16.1543	15.7688
Na 330.237	151.011u	535.882u	556.065u
Ni 231.604	219.337	220.895	220.336
Pb 220.353	2890.12	2897.66	2900.07
Sb 206.834	10.8167	2.0956	12.6380
Se 196.026	6.7079	1.2330	3.3094
Sn 189.925	102.141	106.017	107.676
Sr 216.596	304.466	304.313	301.103
Ti 334.941	1118.76	1119.29	1114.05
Tl 190.794	21.7261u	14.3920u	27.6459u
V 292.401	707.192	705.465	705.577
Zn 206.200	5509.15	5494.10	5502.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.8037	ppb	0.1504	3.1	458.041
Al 308.215	143115	ppb	862.976	0.6	315026
As 188.980	267.338	ppb	1.4876	0.6	148.725
B 249.678	15.7247	ppb	1.3972	8.9	-218.411
Ba 389.178	2914.98	ppb	4.1521	0.1	63323.6
Be 313.042	16.3924	ppb	0.0282	0.2	29116.8
Ca 370.602	91845	ppb	167.0	0.2	216230
Cd 226.502	24.4218	ppb	0.3715	1.5	2007.87
Co 228.615	157.035	ppb	1.1784	0.8	1573.67
Cr 267.716	601.893	ppb	2.9693	0.5	18697.9
Cu 324.754	499.315	ppb	1.9419	0.4	26319.3
Fe 271.441	515539	ppb	1622.84	0.3	842496
K 766.491	13576.8	ppb	16.2473	0.1	431488
Mg 279.078	38872.9	ppb	30.9377	0.1	77359.4
Mn 257.610	17943.3	ppb	24.8736	0.1	4157519
Mo 202.032	16.1767	ppb	0.4195	2.6	109.777
Na 330.237	414.320	ppb	228.255	55.1	-99.4063
Ni 231.604	220.189	ppb	0.7892	0.4	571.469
Pb 220.353	2895.95	ppb	5.1874	0.2	4965.47
Sb 206.834	8.5168	ppb	5.6349	66.2	22.8153
Se 196.026	3.7501	ppb	2.7639	73.7	15.8104
Sn 189.925	105.278	ppb	2.8409	2.7	71.4657
Sr 216.596	303.294	ppb	1.8989	0.6	3149.17
Ti 334.941	1117.37	ppb	2.8813	0.3	285316
Tl 190.794	21.2547	ppb	6.6395	31.2	-42.2295
V 292.401	706.078	ppb	0.9659	0.1	18669.9
Zn 206.200	5501.86	ppb	7.5352	0.1	51078.21

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89328-a-34-a (Samp) 4/18/2013, 6:49:44 AM Rack 4, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.2857u	-2.4889u	-2.5726u
Al 308.215	128112	128180	127189
As 188.980	312.686	316.795	309.712
B 249.678	0.6022u	0.0087u	0.3560u
Ba 389.178	4959.97	4961.27	4960.84
Be 313.042	17.8665	17.9137	17.8663
Ca 370.602	146353	146220	145977
Cd 226.502	46.4538	45.8434	46.5451
Co 228.615	230.221	228.833	229.009
Cr 267.716	870.254	870.072	864.996
Cu 324.754	1371.77	1372.08	1358.07
Fe 271.441	626833	628328	628572
K 766.491	11372.4	11394.9	11382.6
Mg 279.078	14439.6	14456.4	14426.2
Mn 257.610	27957.9	27836.8	28132.9
Mo 202.032	24.0250	23.3296	23.0091
Na 330.237	-1166.44u	-1079.49u	-1221.61u
Ni 231.604	225.552	226.154	227.406
Pb 220.353	4140.62	4137.16	4123.68
Sb 206.834	57.8433	71.8539	61.3776
Se 196.026	6.5726	4.1273	-12.7445
Sn 189.925	95.6680	111.147	98.7233
Sr 216.596	433.111	433.135	430.359
Ti 334.941	1784.96	1787.71	1780.05
Tl 190.794	44.6350u	43.1975u	35.8448u
V 292.401	624.698	626.074	624.249
Zn 206.200	13353.1	13350.8	13338.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7824	ppb	0.4379	15.7	-73.8011
Al 308.215	127827	ppb	553.730	0.4	281371
As 188.980	313.064	ppb	3.5567	1.1	175.897
B 249.678	0.3223	ppb	0.2982	92.5	-525.337
Ba 389.178	4960.70	ppb	0.6628	0.0	107296
Be 313.042	17.8822	ppb	0.0273	0.2	31721.5
Ca 370.602	146183	ppb	190.9	0.1	357616
Cd 226.502	46.2808	ppb	0.3815	0.8	2995.33
Co 228.615	229.354	ppb	0.7557	0.3	2306.08
Cr 267.716	868.441	ppb	2.9848	0.3	26964.3
Cu 324.754	1367.31	ppb	7.9992	0.6	71477.7
Fe 271.441	627911	ppb	941.350	0.1	1026115
K 766.491	11383.3	ppb	11.3032	0.1	361850
Mg 279.078	14440.7	ppb	15.1052	0.1	28490.2
Mn 257.610	27975.9	ppb	148.885	0.5	6481118
Mo 202.032	23.4546	ppb	0.5193	2.2	156.109
Na 330.237	-1155.85	ppb	71.6524	6.2	-250.235
Ni 231.604	226.371	ppb	0.9461	0.4	589.611
Pb 220.353	4133.82	ppb	8.9498	0.2	7076.95
Sb 206.834	63.6916	ppb	7.2863	11.4	82.0990
Se 196.026	-0.6815	ppb	10.5181	1543.3	15.9848
Sn 189.925	101.846	ppb	8.1987	8.1	68.9879
Sr 216.596	432.202	ppb	1.5955	0.4	4430.80
Ti 334.941	1784.24	ppb	3.8807	0.2	455326
Tl 190.794	41.2258	ppb	4.7152	11.4	-42.7183
V 292.401	625.007	ppb	0.9508	0.2	16518.7
Zn 206.200	13347.5	ppb	7.7600	0.1	17167.6

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89328-a-35-a (Samp) 4/18/2013, 6:55:22 AM Rack 4, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.5572	3.4234	2.5153
Al 308.215	78071.7	77960.9	77284.9
As 188.980	430.894	446.216	428.273
B 249.678	163.067	162.974	165.087
Ba 389.178	2429.12	2428.27	2430.38
Be 313.042	9.1582	9.1628	9.1384
Ca 370.602	165440	165235	164927
Cd 226.502	24.5838	24.5046	25.1297
Co 228.615	98.3055	98.7921	98.9837
Cr 267.716	268.690	268.256	266.138
Cu 324.754	1294.48	1301.07	1282.80
Fe 271.441	524298	523766	525226
K 766.491	13421.9	13441.4	13413.2
Mg 279.078	71334.8	71276.7	71280.7
Mn 257.610	9520.14	9500.66	9534.92
Mo 202.032	20.2981	22.0077	21.9942
Na 330.237	2565.61u	2886.50u	2752.18u
Ni 231.604	184.157	181.373	185.976
Pb 220.353	3350.95	3335.05	3348.62
Sb 206.834	47.0830	50.0101	51.7727
Se 196.026	-5.6118u	13.0311	-9.5811u
Sn 189.925	2235.60	2219.79	2200.42
Sr 216.596	397.987	399.459	397.377
Ti 334.941	792.844	793.080	789.106
Tl 190.794	10.6415u	12.2124u	10.0946u
V 292.401	263.116	261.973	262.139
Zn 206.200	8278.43	8267.17	8301.99

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1653	ppb	0.5669	17.9	287.831
Al 308.215	77772.5	ppb	425.882	0.5	171184
As 188.980	435.127	ppb	9.6915	2.2	251.404
B 249.678	163.709	ppb	1.1941	0.7	1482.89
Ba 389.178	2429.26	ppb	1.0593	0.0	52993.4
Be 313.042	9.1531	ppb	0.0129	0.1	16561.5
Ca 370.602	165201	ppb	258.0	0.2	416274
Cd 226.502	24.7394	ppb	0.3404	1.4	2039.39
Co 228.615	98.6938	ppb	0.3496	0.4	982.567
Cr 267.716	267.695	ppb	1.3655	0.5	8370.84
Cu 324.754	1292.78	ppb	9.2547	0.7	67575.8
Fe 271.441	524430	ppb	738.793	0.1	857012
K 766.491	13425.5	ppb	14.4091	0.1	426683
Mg 279.078	71297.4	ppb	32.4370	0.0	142190
Mn 257.610	9518.57	ppb	17.1809	0.2	2206672
Mo 202.032	21.4334	ppb	0.9832	4.6	147.453
Na 330.237	2734.77	ppb	161.150	5.9	-15.9635
Ni 231.604	183.836	ppb	2.3185	1.3	478.263
Pb 220.353	3344.88	ppb	8.5854	0.3	5729.27
Sb 206.834	49.6219	ppb	2.3688	4.8	60.4950
Se 196.026	-0.7206	ppb	12.0735	1675.5	11.7841
Sn 189.925	2218.60	ppb	17.6228	0.8	1608.23
Sr 216.596	398.274	ppb	1.0704	0.3	4070.73
Ti 334.941	791.677	ppb	2.2296	0.3	202373
Tl 190.794	10.9828	ppb	1.0994	10.0	-40.9374
V 292.401	262.410	ppb	0.6174	0.2	6949.79
Zn 206.200	8282.53	ppb	17.7677	0.2	10655.2

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89282-a-1-a (Samp) 4/18/2013, 7:01:00 AM Rack 4, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.0283	9.0459	8.8254
Al 308.215	15666.1	15748.9	15480.5
As 188.980	7.7910	3.2209	0.1527u
B 249.678	46.0604	47.0817	46.9672
Ba 389.178	626.538	630.284	626.908
Be 313.042	-0.1210u	-0.1330u	-0.1281u
Ca 370.602	13675	13803	13686
Cd 226.502	162.638	163.337	162.686
Co 228.615	5.3155	5.8156	6.2835
Cr 267.716	283.599	284.732	280.562
Cu 324.754	217.384	216.204	218.017
Fe 271.441	21291.6	21438.8	21425.8
K 766.491	3552.99	3586.00	3562.78
Mg 279.078	2958.12	2987.30	2982.83
Mn 257.610	9323.85	9375.96	9296.68
Mo 202.032	44.1527	44.7123	43.7813
Na 330.237	2569.31	2645.33	2757.47
Ni 231.604	48.9002	51.2284	49.2454
Pb 220.353	29.9516	33.2062	29.2546
Sb 206.834	-0.7152	-4.7307u	1.3286
Se 196.026	4.6135	2.9095	2.0613
Sn 189.925	27.5691	23.1723	24.8797
Sr 216.596	111.156	113.370	112.640
Ti 334.941	231.752	233.063	230.828
Tl 190.794	12.2524u	16.9035	15.8389
V 292.401	29.4249	29.1300	29.0514
Zn 206.200	431.647	438.844	436.862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.9665	ppb	0.1225	1.4	738.644
Al 308.215	15631.8	ppb	137.447	0.9	34389.8
As 188.980	3.7216	ppb	3.8437	103.3	-7.4414
B 249.678	46.7031	ppb	0.5595	1.2	708.500
Ba 389.178	627.910	ppb	2.0644	0.3	13526.5
Be 313.042	-0.1273	ppb	0.0060	4.8	385.007
Ca 370.602	13721	ppb	70.97	0.5	36375
Cd 226.502	162.887	ppb	0.3906	0.2	5613.24
Co 228.615	5.8049	ppb	0.4841	8.3	60.1423
Cr 267.716	282.964	ppb	2.1566	0.8	8764.64
Cu 324.754	217.202	ppb	0.9197	0.4	11509.7
Fe 271.441	21385.4	ppb	81.4741	0.4	35058.3
K 766.491	3567.26	ppb	16.9527	0.5	113718
Mg 279.078	2976.08	ppb	15.7200	0.5	5829.33
Mn 257.610	9332.16	ppb	40.2879	0.4	2161724
Mo 202.032	44.2154	ppb	0.4687	1.1	334.218
Na 330.237	2657.37	ppb	94.6589	3.6	161.625
Ni 231.604	49.7913	ppb	1.2564	2.5	123.766
Pb 220.353	30.8041	ppb	2.1092	6.8	82.1913
Sb 206.834	-1.3724	ppb	3.0827	224.6	-1.6517
Se 196.026	3.1948	ppb	1.2998	40.7	14.0104
Sn 189.925	25.2071	ppb	2.2166	8.8	13.2239
Sr 216.596	112.388	ppb	1.1283	1.0	1133.43
Ti 334.941	231.881	ppb	1.1231	0.5	59250.0
Tl 190.794	14.9983	ppb	2.4368	16.2	-12.2038
V 292.401	29.2021	ppb	0.1969	0.7	766.926
Zn 206.200	435.784	ppb	3.7177	0.8	563.715

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-273045/23-a (Samp) 4/18/2013, 7:06:38 AM Rack 4, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5995u	-1.2540u	-0.8874u
Al 308.215	4.8139	4.2477	5.1418
As 188.980	-5.0532u	-2.3940u	2.0742
B 249.678	-5.3171u	-5.9783u	-6.0434u
Ba 389.178	-1.6135u	-1.3907u	-1.6433u
Be 313.042	-0.5541u	-0.5426u	-0.5368u
Ca 370.602	15.45	13.44	17.49
Cd 226.502	-0.4950u	-0.4404u	-0.3484u
Co 228.615	-0.4994u	-0.2191u	-0.1704u
Cr 267.716	-0.9416u	-0.7521u	-0.9004u
Cu 324.754	-1.1228u	-1.2480u	-0.2922u
Fe 271.441	42.2515	21.3361	21.8230
K 766.491	2.8013	2.0183	1.8908
Mg 279.078	6.5488	10.5484	8.4066
Mn 257.610	0.5419	0.4981	0.4672
Mo 202.032	-0.6096u	-0.8992u	-0.4285u
Na 330.237	196.105	-9.5830u	-141.910u
Ni 231.604	-0.0361u	0.9789	-0.3401u
Pb 220.353	1.2577	1.9928	0.2474
Sb 206.834	-6.4606u	-0.1510u	-5.0439u
Se 196.026	-3.2469u	-11.5729u	-3.3417u
Sn 189.925	7.0852	6.1668	11.1367
Sr 216.596	-3.0408u	-1.6200u	-2.1986u
Ti 334.941	-0.0700u	-0.0413u	-0.0843u
Tl 190.794	-3.8317u	-6.2285u	-4.5813u
V 292.401	-0.6234u	-1.0573u	-0.7139u
Zn 206.200	-1.8004u	0.0662	-1.4429u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9137	ppb	0.3280	35.9	-43.5110
Al 308.215	4.7345	ppb	0.4523	9.6	-13.7887
As 188.980	-1.7910	ppb	3.6018	201.1	-10.6899
B 249.678	-5.7796	ppb	0.4019	7.0	125.908
Ba 389.178	-1.5492	ppb	0.1380	8.9	-11.9343
Be 313.042	-0.5445	ppb	0.0088	1.6	-335.550
Ca 370.602	15.46	ppb	2.028	13.1	57.49
Cd 226.502	-0.4280	ppb	0.0741	17.3	28.8564
Co 228.615	-0.2963	ppb	0.1775	59.9	-4.7767
Cr 267.716	-0.8647	ppb	0.0997	11.5	-17.3105
Cu 324.754	-0.8877	ppb	0.5195	58.5	164.685
Fe 271.441	28.4702	ppb	11.9374	41.9	160.785
K 766.491	2.2368	ppb	0.4930	22.0	540.716
Mg 279.078	8.5013	ppb	2.0015	23.5	51.5714
Mn 257.610	0.5024	ppb	0.0375	7.5	544.123
Mo 202.032	-0.6457	ppb	0.2374	36.8	16.9013
Na 330.237	14.8704	ppb	170.329	1145.4	56.0995
Ni 231.604	0.2009	ppb	0.6907	343.8	-4.0414
Pb 220.353	1.1660	ppb	0.8763	75.2	29.9090
Sb 206.834	-3.8852	ppb	3.3105	85.2	-6.7933
Se 196.026	-6.0538	ppb	4.7799	79.0	7.5872
Sn 189.925	8.1296	ppb	2.6444	32.5	0.8002
Sr 216.596	-2.2865	ppb	0.7145	31.2	26.8122
Ti 334.941	-0.0652	ppb	0.0219	33.6	72.5993
Tl 190.794	-4.8805	ppb	1.2261	25.1	-17.0914
V 292.401	-0.7982	ppb	0.2289	28.7	-4.6332
Zn 206.200	-1.0590	ppb	0.9908	93.6	2.6308

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

190-451-a-1-a (Samp) **4/18/2013, 7:12:16 AM** **Rack 4, Tube 20****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0770u	-0.7996u	-0.5731u
Al 308.215	182.471	178.444	180.648
As 188.980	4.3204	1.2267	-1.1925u
B 249.678	-6.9555u	-6.6374u	-6.8128u
Ba 389.178	-2.4488u	-2.0457u	-1.8235u
Be 313.042	-0.5552u	-0.5521u	-0.5542u
Ca 370.602	116.4	119.1	118.6
Cd 226.502	-0.2154u	0.0704	-0.1568u
Co 228.615	-1.0056u	-0.5650u	-0.5513u
Cr 267.716	-0.1276u	-0.4850u	-0.2271u
Cu 324.754	43.3900	43.5357	45.1747
Fe 271.441	96.1867	93.9471	99.5595
K 766.491	15.0782	14.7269	14.6199
Mg 279.078	28.5271	34.1586	33.3691
Mn 257.610	1.4062	1.3900	1.4022
Mo 202.032	-0.9029u	-0.5632u	-0.3834u
Na 330.237	194.439	181.546	169.760
Ni 231.604	-1.1358u	-0.1701u	0.2317
Pb 220.353	5.2821	3.8706	6.1272
Sb 206.834	-2.7972u	0.5852	-2.6204u
Se 196.026	8.7831	-3.5355u	5.9541
Sn 189.925	24.9290	25.1127	22.0671
Sr 216.596	-2.3618u	-2.0638u	-1.8911u
Ti 334.941	1.3175	1.3236	1.4171
Tl 190.794	-6.2282u	-2.8808u	-6.1416u
V 292.401	-1.0193u	-1.1423u	-1.2668u
Zn 206.200	69.8232	66.8370	69.1334

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8166	ppb	0.2523	30.9	-36.2174
Al 308.215	180.521	ppb	2.0164	1.1	373.184
As 188.980	1.4515	ppb	2.7633	190.4	-8.7158
B 249.678	-6.8019	ppb	0.1593	2.3	114.005
Ba 389.178	-2.1060	ppb	0.3170	15.1	-23.7353
Be 313.042	-0.5538	ppb	0.0016	0.3	-351.695
Ca 370.602	118.0	ppb	1.436	1.2	334.0
Cd 226.502	-0.1006	ppb	0.1510	150.0	40.1022
Co 228.615	-0.7073	ppb	0.2584	36.5	-8.8403
Cr 267.716	-0.2799	ppb	0.1844	65.9	0.7427
Cu 324.754	44.0335	ppb	0.9910	2.3	2499.95
Fe 271.441	96.5644	ppb	2.8252	2.9	272.060
K 766.491	14.8084	ppb	0.2397	1.6	939.819
Mg 279.078	32.0183	ppb	3.0491	9.5	98.4354
Mn 257.610	1.3995	ppb	0.0085	0.6	752.195
Mo 202.032	-0.6165	ppb	0.2638	42.8	17.1065
Na 330.237	181.915	ppb	12.3435	6.8	62.9173
Ni 231.604	-0.3581	ppb	0.7029	196.3	-5.4756
Pb 220.353	5.0933	ppb	1.1401	22.4	36.6002
Sb 206.834	-1.6108	ppb	1.9038	118.2	-4.5449
Se 196.026	3.7339	ppb	6.4525	172.8	12.1172
Sn 189.925	24.0363	ppb	1.7078	7.1	12.3671
Sr 216.596	-2.1055	ppb	0.2381	11.3	28.5944
Ti 334.941	1.3528	ppb	0.0558	4.1	434.384
Tl 190.794	-5.0836	ppb	1.9081	37.5	-17.2912
V 292.401	-1.1428	ppb	0.1237	10.8	-13.7298
Zn 206.200	68.5979	ppb	1.5635	2.3	92.2133

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-273342/1-a (Samp) 4/18/2013, 7:17:54 AM Rack 4, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0653u	-0.8970u	-1.0042u
Al 308.215	7.0490	0.9371	7.5480
As 188.980	-3.0595u	-5.2136u	-2.2764u
B 249.678	-8.4901u	-8.2349u	-8.5190u
Ba 389.178	-1.7530u	-1.9098u	-1.4679u
Be 313.042	-0.5456u	-0.5454u	-0.5357u
Ca 370.602	8.585	8.272	9.576
Cd 226.502	-0.4357u	0.0425	-0.3335u
Co 228.615	-0.1995u	-0.5769u	0.4347
Cr 267.716	-0.8659u	-1.1576u	-0.9360u
Cu 324.754	-0.7020u	-0.2391u	-1.3642u
Fe 271.441	9.6586	12.8513	11.9040
K 766.491	0.3151	0.0094	1.2496
Mg 279.078	13.3805	8.8380	7.2314
Mn 257.610	-1.4113u	-1.3225u	-1.1180u
Mo 202.032	-1.2232u	-0.8743u	-1.2210u
Na 330.237	-129.764u	32.6736	42.3004
Ni 231.604	-0.5334u	-1.3659u	-0.9200u
Pb 220.353	1.2485	6.8265	4.5535
Sb 206.834	1.5258	-2.2554u	-2.1734u
Se 196.026	4.9390	1.2755	6.3707
Sn 189.925	2.2724	8.4044	5.5234
Sr 216.596	-2.1668u	-2.4105u	-2.5404u
Ti 334.941	-0.2395u	-0.2138u	-0.2574u
Tl 190.794	-1.0725u	-3.8057u	-7.0707u
V 292.401	-1.0307u	-1.3226u	-1.1464u
Zn 206.200	3.1220	2.8467	2.2518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9888	ppb	0.0852	8.6	-49.1711
Al 308.215	5.1780	ppb	3.6812	71.1	-12.8260
As 188.980	-3.5165	ppb	1.5210	43.3	-11.7400
B 249.678	-8.4147	ppb	0.1564	1.9	95.4459
Ba 389.178	-1.7102	ppb	0.2240	13.1	-15.4125
Be 313.042	-0.5423	ppb	0.0057	1.0	-331.588
Ca 370.602	8.811	ppb	0.6806	7.7	40.49
Cd 226.502	-0.2422	ppb	0.2518	104.0	35.1142
Co 228.615	-0.1139	ppb	0.5112	448.8	-2.9523
Cr 267.716	-0.9865	ppb	0.1522	15.4	-21.0740
Cu 324.754	-0.7684	ppb	0.5655	73.6	170.874
Fe 271.441	11.4713	ppb	1.6397	14.3	133.082
K 766.491	0.5247	ppb	0.6461	123.1	486.361
Mg 279.078	9.8166	ppb	3.1892	32.5	54.2197
Mn 257.610	-1.2839	ppb	0.1504	11.7	130.385
Mo 202.032	-1.1062	ppb	0.2008	18.2	13.6349
Na 330.237	-18.2633	ppb	96.6824	529.4	54.6363
Ni 231.604	-0.9398	ppb	0.4166	44.3	-6.9715
Pb 220.353	4.2095	ppb	2.8049	66.6	35.0957
Sb 206.834	-0.9677	ppb	2.1598	223.2	-3.9202
Se 196.026	4.1950	ppb	2.6278	62.6	12.3301
Sn 189.925	5.4001	ppb	3.0679	56.8	-1.1846
Sr 216.596	-2.3725	ppb	0.1896	8.0	26.0043
Ti 334.941	-0.2369	ppb	0.0219	9.2	28.8121
Tl 190.794	-3.9830	ppb	3.0030	75.4	-16.2253
V 292.401	-1.1665	ppb	0.1470	12.6	-14.3064
Zn 206.200	2.7402	ppb	0.4448	16.2	51.5174

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-273342/2-a (Samp) 4/18/2013, 7:23:32 AM Rack 4, Tube 22
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.2764	8.5879	9.1572
Al 308.215	5162.09	5164.27	5164.78
As 188.980	104.861	110.551	113.330
B 249.678	200.593	204.554	204.437
Ba 389.178	99.0132	99.6781	100.309
Be 313.042	55.7123	56.0539	55.9729
Ca 370.602	4965	4989	4993
Cd 226.502	55.5494	55.4837	55.5875
Co 228.615	54.8282	54.7349	55.3478
Cr 267.716	108.545	107.645	108.046
Cu 324.754	108.906	110.129	108.621
Fe 271.441	5215.87	5257.57	5247.14
K 766.491	4948.56	4983.72	4975.06
Mg 279.078	5335.22	5366.44	5369.79
Mn 257.610	562.171	566.723	566.551
Mo 202.032	100.369	102.098	101.338
Na 330.237	5411.04	5803.37	5723.98
Ni 231.604	108.152	108.526	108.173
Pb 220.353	57.2203	54.9379	55.5258
Sb 206.834	45.4367	47.6708	52.2098
Se 196.026	101.805	112.706	108.883
Sn 189.925	209.456	215.591	212.397
Sr 216.596	103.121	102.352	103.367
Ti 334.941	99.6645	99.4379	99.9370
Tl 190.794	39.4591	40.9020	37.8000
V 292.401	103.248	104.039	103.936
Zn 206.200	114.501	114.596	114.746

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.0071	ppb	0.3680	4.1	702.259
Al 308.215	5163.71	ppb	1.4269	0.0	11347.6
As 188.980	109.581	ppb	4.3171	3.9	57.0695
B 249.678	203.195	ppb	2.2539	1.1	2537.43
Ba 389.178	99.6668	ppb	0.6480	0.7	2179.75
Be 313.042	55.9130	ppb	0.1785	0.3	97827.1
Ca 370.602	4982	ppb	14.88	0.3	13330
Cd 226.502	55.5402	ppb	0.0525	0.1	1938.03
Co 228.615	54.9703	ppb	0.3302	0.6	544.997
Cr 267.716	108.079	ppb	0.4513	0.4	3344.20
Cu 324.754	109.219	ppb	0.8012	0.7	5892.03
Fe 271.441	5240.20	ppb	21.7002	0.4	8685.74
K 766.491	4969.11	ppb	18.3206	0.4	158222
Mg 279.078	5357.15	ppb	19.0665	0.4	10712.6
Mn 257.610	565.149	ppb	2.5797	0.5	131355
Mo 202.032	101.269	ppb	0.8666	0.9	739.820
Na 330.237	5646.13	ppb	207.425	3.7	298.962
Ni 231.604	108.284	ppb	0.2099	0.2	273.669
Pb 220.353	55.8947	ppb	1.1850	2.1	123.054
Sb 206.834	48.4391	ppb	3.4513	7.1	45.0264
Se 196.026	107.798	ppb	5.5308	5.1	60.4053
Sn 189.925	212.481	ppb	3.0682	1.4	149.401
Sr 216.596	102.947	ppb	0.5298	0.5	1033.48
Ti 334.941	99.6798	ppb	0.2499	0.3	25537.0
Tl 190.794	39.3870	ppb	1.5523	3.9	24.4312
V 292.401	103.741	ppb	0.4302	0.4	2736.24
Zn 206.200	114.614	ppb	0.1236	0.1	515.114

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-273342/3-a (Samp) 4/18/2013, 7:29:10 AM Rack 4, Tube 23
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	204.304	203.863	202.593
Al 308.215	2173.24	2154.06	2165.37
As 188.980	232.459	223.569	233.258
B 249.678	408.581	413.261	414.968
Ba 389.178	196.154	194.226	195.389
Be 313.042	220.078	220.123	219.469
Ca 370.602	19794	19750	19711
Cd 226.502	213.083	214.520	213.996
Co 228.615	211.630	211.699	212.758
Cr 267.716	213.010	211.349	210.937
Cu 324.754	214.530	215.188	214.274
Fe 271.441	21290.7	21318.4	21302.0
K 766.491	19949.6	19993.8	19833.3
Mg 279.078	21104.3	21145.1	21078.9
Mn 257.610	2211.92	2218.41	2215.48
Mo 202.032	201.385	201.408	200.432
Na 330.237	19240.2	19062.5	18960.9
Ni 231.604	214.024	210.904	214.743
Pb 220.353	199.665	207.264	200.140
Sb 206.834	186.883	186.979	191.802
Se 196.026	216.220	201.145	216.935
Sn 189.925	214.620	213.228	206.391
Sr 216.596	217.005	216.188	215.635
Ti 334.941	197.302	197.029	196.668
Tl 190.794	42.0100	44.5226	39.2009
V 292.401	205.751	206.816	205.234
Zn 206.200	214.875	215.459	217.943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.587	ppb	0.8883	0.4	15363.1
Al 308.215	2164.22	ppb	9.6394	0.4	4748.87
As 188.980	229.762	ppb	5.3784	2.3	130.168
B 249.678	412.270	ppb	3.3069	0.8	4937.63
Ba 389.178	195.256	ppb	0.9708	0.5	4290.01
Be 313.042	219.890	ppb	0.3650	0.2	382967
Ca 370.602	19752	ppb	41.30	0.2	52723
Cd 226.502	213.867	ppb	0.7272	0.3	7341.74
Co 228.615	212.029	ppb	0.6321	0.3	2108.30
Cr 267.716	211.766	ppb	1.0974	0.5	6547.68
Cu 324.754	214.664	ppb	0.4714	0.2	11380.4
Fe 271.441	21303.7	ppb	13.9623	0.1	34957.0
K 766.491	19925.6	ppb	82.9003	0.4	633038
Mg 279.078	21109.5	ppb	33.3974	0.2	42115.7
Mn 257.610	2215.27	ppb	3.2539	0.1	513640
Mo 202.032	201.075	ppb	0.5573	0.3	1447.25
Na 330.237	19087.9	ppb	141.391	0.7	879.799
Ni 231.604	213.224	ppb	2.0412	1.0	543.523
Pb 220.353	202.356	ppb	4.2564	2.1	372.793
Sb 206.834	188.555	ppb	2.8127	1.5	184.275
Se 196.026	211.433	ppb	8.9173	4.2	108.737
Sn 189.925	211.413	ppb	4.4046	2.1	148.634
Sr 216.596	216.276	ppb	0.6890	0.3	2122.76
Ti 334.941	197.000	ppb	0.3184	0.2	50425.5
Tl 190.794	41.9112	ppb	2.6622	6.4	23.8263
V 292.401	205.934	ppb	0.8068	0.4	5415.91
Zn 206.200	216.092	ppb	1.6295	0.8	281.356

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89368-c-1-b (Samp) 4/18/2013, 7:34:47 AM Rack 4, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5326u	-1.4275u	-0.7051u
Al 308.215	17473.2	17400.6	17258.2
As 188.980	-2.8956u	6.1913	-7.2262u
B 249.678	3.2470	3.0049	1.3917
Ba 389.178	48.1854	48.7706	48.5357
Be 313.042	-0.0214u	0.0845	0.0871
Ca 370.602	291.7	317.8	309.5
Cd 226.502	0.1933	-0.0070	0.0692
Co 228.615	0.6847	-0.0859	0.6151
Cr 267.716	20.5794	21.1055	20.9906
Cu 324.754	5.6844	6.3703	5.9011
Fe 271.441	2496.33	2558.92	2535.46
K 766.491	415.246	423.870	410.031
Mg 279.078	488.197	496.981	497.245
Mn 257.610	31.5291	35.1625	34.6541
Mo 202.032	1.6148	1.5691	2.0756
Na 330.237	29.7587u	527.877	196.608
Ni 231.604	2.9149	3.2462	3.3284
Pb 220.353	16.9242	13.9920	14.0222
Sb 206.834	-2.2939u	-2.3244u	4.2829
Se 196.026	1.9539	2.4487	6.2381
Sn 189.925	12.3082	10.4611	8.3213
Sr 216.596	51.5778	51.2424	51.7360
Ti 334.941	415.302	414.585	409.619
Tl 190.794	-1.0998u	0.5637	-1.2966u
V 292.401	28.1429	29.2086	28.0676
Zn 206.200	12.8747	13.1347	15.8264

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2218	ppb	0.4505	36.9	-68.7510
Al 308.215	17377.3	ppb	109.369	0.6	38230.3
As 188.980	-1.3102	ppb	6.8478	522.7	-10.4204
B 249.678	2.5479	ppb	1.0086	39.6	219.370
Ba 389.178	48.4972	ppb	0.2945	0.6	1066.17
Be 313.042	0.0500	ppb	0.0619	123.7	698.530
Ca 370.602	306.3	ppb	13.35	4.4	747.4
Cd 226.502	0.0852	ppb	0.1011	118.7	51.7659
Co 228.615	0.4046	ppb	0.4263	105.4	11.5028
Cr 267.716	20.8918	ppb	0.2766	1.3	654.592
Cu 324.754	5.9853	ppb	0.3506	5.9	522.500
Fe 271.441	2530.23	ppb	31.6212	1.2	4249.08
K 766.491	416.382	ppb	6.9895	1.7	13688.4
Mg 279.078	494.141	ppb	5.1493	1.0	1015.56
Mn 257.610	33.7819	ppb	1.9675	5.8	8260.91
Mo 202.032	1.7532	ppb	0.2802	16.0	33.7518
Na 330.237	251.415	ppb	253.542	100.8	62.9362
Ni 231.604	3.1632	ppb	0.2189	6.9	3.6236
Pb 220.353	14.9794	ppb	1.6843	11.2	53.1076
Sb 206.834	-0.1118	ppb	3.8059	3403.5	-2.8323
Se 196.026	3.5469	ppb	2.3438	66.1	12.0360
Sn 189.925	10.3635	ppb	1.9953	19.3	2.4248
Sr 216.596	51.5187	ppb	0.2521	0.5	543.631
Ti 334.941	413.169	ppb	3.0951	0.7	105480
Tl 190.794	-0.6109	ppb	1.0220	167.3	-13.1439
V 292.401	28.4730	ppb	0.6382	2.2	774.113
Zn 206.200	13.9453	ppb	1.6343	282.0	515.8713

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/18/2013, 7:40:26 AM Rack 4, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	507.916	508.935	506.610
Al 308.215	5016.36	4975.41	5000.19
As 188.980	530.111	514.898	515.222
B 249.678	560.174	562.967	563.427
Ba 389.178	5061.70	5056.54	5042.46
Be 313.042	555.748	555.820	555.686
Ca 370.602	5080	5072	5065
Cd 226.502	545.616	546.307	545.904
Co 228.615	544.585	546.982	543.619
Cr 267.716	5383.39	5337.81	5353.49
Cu 324.754	5390.56	5378.80	5391.65
Fe 271.441	5293.80	5303.14	5285.99
K 766.491	10232.6	10204.3	10155.5
Mg 279.078	5416.71	5405.92	5400.85
Mn 257.610	5511.79	5508.22	5494.55
Mo 202.032	506.349	506.605	505.894
Na 330.237	8027.07	7788.62	7890.37
Ni 231.604	2760.25	2761.36	2759.03
Pb 220.353	518.825	520.426	517.442
Sb 206.834	975.562	976.403	975.448
Se 196.026	5442.53	5424.16	5443.10
Sn 189.925	5231.69	5215.99	5173.30
Sr 216.596	2614.03	2604.47	2608.94
Ti 334.941	502.198	500.037	498.859
Tl 190.794	5139.34	5156.98	5134.17
V 292.401	5152.99	5155.14	5144.25
Zn 206.200	2852.38	2850.88	2846.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	507.820	ppb	1.1658	0.2	38219.6	101.56404
Al 308.215	4997.32	ppb	20.6261	0.4	10967.4	99.94643
As 188.980	520.077	ppb	8.6913	1.7	306.845	104.01537
B 249.678	562.189	ppb	1.7607	0.3	6690.29	22.48758Q
Ba 389.178	5053.57	ppb	9.9619	0.2	108464	101.07135
Be 313.042	555.751	ppb	0.0669	0.0	966819	111.15025Q
Ca 370.602	5072	ppb	7.792	0.2	13793	101.44279
Cd 226.502	545.942	ppb	0.3470	0.1	18565.8	109.18840
Co 228.615	545.062	ppb	1.7316	0.3	5435.16	109.01241
Cr 267.716	5358.23	ppb	23.1546	0.4	165244	107.16457
Cu 324.754	5387.00	ppb	7.1284	0.1	280219	107.74006
Fe 271.441	5294.31	ppb	8.5849	0.2	8893.49	105.88622
K 766.491	10197.4	ppb	38.9798	0.4	324204	101.97448
Mg 279.078	5407.83	ppb	8.1011	0.1	10738.6	108.15652
Mn 257.610	5504.85	ppb	9.0968	0.2	1275334	110.09706Q
Mo 202.032	506.283	ppb	0.3603	0.1	3605.23	101.25654
Na 330.237	7902.02	ppb	119.651	1.5	377.414	105.36031
Ni 231.604	2760.21	ppb	1.1628	0.0	7084.95	110.40845Q
Pb 220.353	518.898	ppb	1.4932	0.3	912.246	103.77958
Sb 206.834	975.805	ppb	0.5215	0.1	1009.11	97.58046
Se 196.026	5436.60	ppb	10.7763	0.2	2527.78	108.73190
Sn 189.925	5206.99	ppb	30.2158	0.6	3781.24	104.13985
Sr 216.596	2609.15	ppb	4.7837	0.2	25015.0	104.36593
Ti 334.941	500.365	ppb	1.6934	0.3	127740	100.07292
Tl 190.794	5143.49	ppb	11.9588	0.2	4924.85	102.86987
V 292.401	5150.79	ppb	5.7681	0.1	135842	103.01586
Zn 206.200	2850.03	ppb	2.8759	0.1	3655.53	114.00119Q

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Blank (CCB) 4/18/2013, 7:46:04 AM Rack 4, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6552u	-0.0395u	-0.1195u
Al 308.215	4.1732	12.1460	14.2325
As 188.980	0.2781	-2.6887u	-4.8868u
B 249.678	4.0516	3.3852	1.6620
Ba 389.178	1.2774	4.3662	4.2620
Be 313.042	-0.3134u	-0.0675u	-0.0316u
Ca 370.602	8.272	16.72	18.31
Cd 226.502	-0.0055u	0.0746	0.2569
Co 228.615	-0.0324u	-0.0397u	0.5413
Cr 267.716	1.0314	3.5573	3.6178
Cu 324.754	0.3277	3.9317	4.9628
Fe 271.441	9.3146	38.9783	35.0644
K 766.491	-0.3320u	7.8049	7.8056
Mg 279.078	7.6330	13.3394	17.7245
Mn 257.610	2.1562	5.7529	6.2067
Mo 202.032	0.2288	0.2811	0.4405
Na 330.237	28.5885	-106.457u	210.036
Ni 231.604	1.2114	2.4495	2.7076
Pb 220.353	2.0081	2.3464	5.1580
Sb 206.834	-0.2627u	3.0427	3.6589
Se 196.026	-7.2863u	3.4984	8.6560
Sn 189.925	-0.7469u	0.6628	-2.1899u
Sr 216.596	-0.9972u	-0.6845u	1.2300
Ti 334.941	-0.0968u	0.3518	0.3087
Tl 190.794	1.8343	5.0221	7.6935
V 292.401	1.5130	3.5965	4.0968
Zn 206.200	-1.6423u	-0.2550u	1.0684

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2714	ppb	0.3348	123.3	4.8026	-0.27140
Al 308.215	10.1839	ppb	5.3089	52.1	-1.7611	10.18390
As 188.980	-2.4325	ppb	2.5920	106.6	-11.0806	-2.43248
B 249.678	3.0329	ppb	1.2332	40.7	227.860	3.03294
Ba 389.178	3.3019	ppb	1.7540	53.1	92.1489	3.30185
Be 313.042	-0.1375	ppb	0.1534	111.6	371.951	-0.13748
Ca 370.602	14.44	ppb	5.397	37.4	55.12	14.43596
Cd 226.502	0.1086	ppb	0.1345	123.8	47.0422	0.10865
Co 228.615	0.1564	ppb	0.3334	213.2	-0.2794	0.15638
Cr 267.716	2.7355	ppb	1.4761	54.0	93.7093	2.73551
Cu 324.754	3.0741	ppb	2.4337	79.2	370.631	3.07408
Fe 271.441	27.7858	ppb	16.1158	58.0	159.769	27.78576Z
K 766.491	5.0928	ppb	4.6980	92.2	631.384	5.09283
Mg 279.078	12.8990	ppb	5.0602	39.2	60.2787	12.89897
Mn 257.610	4.7053	ppb	2.2192	47.2	1517.47	4.70526
Mo 202.032	0.3168	ppb	0.1103	34.8	23.7264	0.31680
Na 330.237	44.0559	ppb	158.812	360.5	57.3666	44.05591
Ni 231.604	2.1228	ppb	0.7998	37.7	0.8949	2.12284
Pb 220.353	3.1708	ppb	1.7292	54.5	33.3247	3.17083
Sb 206.834	2.1463	ppb	2.1089	98.3	-0.8359	2.14632
Se 196.026	1.6227	ppb	8.1350	501.3	11.1410	1.62267
Sn 189.925	-0.7580	ppb	1.4264	188.2	-5.6625	-0.75802
Sr 216.596	-0.1505	ppb	1.2058	800.9	47.2392	-0.15055
Ti 334.941	0.1879	ppb	0.2475	131.7	137.177	0.18791
Tl 190.794	4.8499	ppb	2.9334	60.5	-7.7449	4.84995
V 292.401	3.0688	ppb	1.3704	44.7	97.2240	3.06878
Zn 206.200	-0.2763	ppb	1.3555	490.6	3.56284	-0.27629

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89368-c-1-bSD^5 (Samp) 4/18/2013, 7:51:42 AM Rack 4, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9321u	-1.0499u	-1.6739u
Al 308.215	3727.91	3603.16	3554.36
As 188.980	1.8859	-6.3166u	2.1734
B 249.678	-3.9897u	-3.7914u	-3.8686u
Ba 389.178	8.3724	8.1566	9.1205
Be 313.042	-0.4980u	-0.4946u	-0.4850u
Ca 370.602	50.63	48.44	47.96
Cd 226.502	-0.2865u	-0.2867u	-0.4092u
Co 228.615	-1.0109u	-0.5077u	-0.3915u
Cr 267.716	3.3857	3.5025	3.1469
Cu 324.754	0.6825	0.9218	0.3470
Fe 271.441	484.239	476.654	459.913
K 766.491	72.7293	70.2096	69.2504
Mg 279.078	95.7829	94.4698	94.3560
Mn 257.610	3.7441	3.5728	3.4945
Mo 202.032	0.0204	-0.5487u	-0.5575u
Na 330.237	19.1082	-9.1954u	152.565
Ni 231.604	-0.3680u	0.2420	0.1579
Pb 220.353	5.3935	8.4560	5.8726
Sb 206.834	-0.7781u	-1.5903u	5.9717
Se 196.026	2.8472	1.5154	-10.3948u
Sn 189.925	-1.1327u	3.2652	-2.2035u
Sr 216.596	8.6809	8.8382	8.2010
Ti 334.941	87.3168	84.6782	83.0867
Tl 190.794	-4.6422u	-1.8147u	-3.5262u
V 292.401	4.7969	5.1861	5.2332
Zn 206.200	0.9986	1.1856	-0.0168u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2187	ppb	0.3987	32.7	-66.9108
Al 308.215	3628.48	ppb	89.5035	2.5	7963.52
As 188.980	-0.7525	ppb	4.8208	640.7	-10.0620
B 249.678	-3.8833	ppb	0.1000	2.6	147.333
Ba 389.178	8.5498	ppb	0.5058	5.9	205.516
Be 313.042	-0.4925	ppb	0.0067	1.4	-245.151
Ca 370.602	49.01	ppb	1.427	2.9	132.1
Cd 226.502	-0.3274	ppb	0.0708	21.6	33.2492
Co 228.615	-0.6367	ppb	0.3292	51.7	-6.2441
Cr 267.716	3.3450	ppb	0.1813	5.4	112.688
Cu 324.754	0.6504	ppb	0.2887	44.4	244.732
Fe 271.441	473.602	ppb	12.4473	2.6	888.144
K 766.491	70.7298	ppb	1.7968	2.5	2715.13
Mg 279.078	94.8696	ppb	0.7930	0.8	222.910
Mn 257.610	3.6038	ppb	0.1277	3.5	1264.10
Mo 202.032	-0.3619	ppb	0.3311	91.5	18.8832
Na 330.237	54.1594	ppb	86.3891	159.5	57.1221
Ni 231.604	0.0107	ppb	0.3306	3103.6	-4.5197
Pb 220.353	6.5740	ppb	1.6474	25.1	39.0539
Sb 206.834	1.2011	ppb	4.1514	345.6	-1.7452
Se 196.026	-2.0107	ppb	7.2913	362.6	9.4587
Sn 189.925	-0.0237	ppb	2.8982	12244.3	-5.1285
Sr 216.596	8.5734	ppb	0.3319	3.9	131.113
Ti 334.941	85.0272	ppb	2.1365	2.5	21777.8
Tl 190.794	-3.3277	ppb	1.4241	42.8	-15.6229
V 292.401	5.0721	ppb	0.2395	4.7	151.603
Zn 206.200	0.7225	ppb	0.6471	89.6	-4.9118

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89368-c-1-bPDS (Samp) **4/18/2013, 7:57:32 AM** **Rack 4, Tube 28****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.4838	48.0169	47.0003
Al 308.215	18893.8	18861.4	19040.7
As 188.980	2278.80	2264.27	2265.41
B 249.678	1080.37	1079.55	1085.64
Ba 389.178	2044.22	2032.14	2036.26
Be 313.042	54.4829	54.1268	54.3051
Ca 370.602	5226	5196	5222
Cd 226.502	53.8874	53.1259	53.5973
Co 228.615	545.530	540.974	537.753
Cr 267.716	230.559	230.462	232.657
Cu 324.754	275.581	271.317	273.005
Fe 271.441	3323.01	3285.39	3301.12
K 766.491	5462.10	5403.98	5407.62
Mg 279.078	5806.38	5782.21	5796.53
Mn 257.610	576.484	573.127	573.115
Mo 202.032	514.706	512.929	514.326
Na 330.237	5708.25	5538.04	5297.68
Ni 231.604	537.457	533.752	537.231
Pb 220.353	517.511	514.000	520.096
Sb 206.834	482.950	476.372	487.521
Se 196.026	2117.05	2101.01	2104.14
Sn 189.925	1055.07	1050.98	1040.00
Sr 216.596	573.419	572.440	578.210
Ti 334.941	1389.69	1383.08	1387.83
Tl 190.794	2034.95	2030.95	2035.34
V 292.401	535.073	530.663	530.637
Zn 206.200	567.047	558.902	559.696

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.8337	ppb	0.7585	1.6	3608.81
Al 308.215	18932.0	ppb	95.5235	0.5	41675.0
As 188.980	2269.49	ppb	8.0790	0.4	1371.79
B 249.678	1081.85	ppb	3.3044	0.3	12704.3
Ba 389.178	2037.54	ppb	6.1381	0.3	43752.5
Be 313.042	54.3049	ppb	0.1781	0.3	94957.6
Ca 370.602	5215	ppb	16.08	0.3	14310
Cd 226.502	53.5368	ppb	0.3843	0.7	1865.94
Co 228.615	541.419	ppb	3.9074	0.7	5406.73
Cr 267.716	231.226	ppb	1.2399	0.5	7140.99
Cu 324.754	273.301	ppb	2.1471	0.8	14428.6
Fe 271.441	3303.17	ppb	18.8929	0.6	5598.24
K 766.491	5424.57	ppb	32.5557	0.6	172681
Mg 279.078	5795.04	ppb	12.1506	0.2	11581.9
Mn 257.610	574.242	ppb	1.9414	0.3	133458
Mo 202.032	513.987	ppb	0.9359	0.2	3668.51
Na 330.237	5514.66	ppb	206.284	3.7	282.306
Ni 231.604	536.147	ppb	2.0774	0.4	1372.57
Pb 220.353	517.202	ppb	3.0598	0.6	907.666
Sb 206.834	482.281	ppb	5.6045	1.2	467.901
Se 196.026	2107.40	ppb	8.5047	0.4	985.848
Sn 189.925	1048.68	ppb	7.7884	0.7	757.458
Sr 216.596	574.690	ppb	3.0878	0.5	5537.15
Ti 334.941	1386.87	ppb	3.4111	0.2	353864
Tl 190.794	2033.75	ppb	2.4300	0.1	1941.32
V 292.401	532.125	ppb	2.5536	0.5	14002.0
Zn 206.200	561.882	ppb	4.4911	0.8	726.016

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89368-c-1-c ms (Samp) 4/18/2013, 8:03:10 AM Rack 4, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.5912	8.6744	8.6036
Al 308.215	24966.5	24945.0	25201.4
As 188.980	113.938	110.166	115.649
B 249.678	224.317	222.789	222.293
Ba 389.178	151.988	152.159	151.888
Be 313.042	56.9537	56.6066	56.8771
Ca 370.602	5226	5219	5237
Cd 226.502	55.6815	55.9530	55.7730
Co 228.615	56.3407	54.4009	53.8972
Cr 267.716	131.915	131.896	132.681
Cu 324.754	116.060	115.384	116.086
Fe 271.441	8054.39	8008.15	8051.68
K 766.491	5473.96	5416.16	5434.58
Mg 279.078	5981.42	5939.72	5956.32
Mn 257.610	590.371	587.051	589.293
Mo 202.032	103.987	102.984	104.222
Na 330.237	5527.02	5543.81	5759.42
Ni 231.604	112.888	109.981	111.310
Pb 220.353	63.0465	64.0211	71.2358
Sb 206.834	37.1900	40.0104	45.6499
Se 196.026	110.729	102.070	115.773
Sn 189.925	210.322	215.593	211.985
Sr 216.596	155.916	155.779	156.392
Ti 334.941	440.657	439.639	441.498
Tl 190.794	39.6002	39.9046	36.7436
V 292.401	134.901	133.704	134.515
Zn 206.200	125.759	125.103	124.377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.6231	ppb	0.0449	0.5	671.304
Al 308.215	25037.6	ppb	142.188	0.6	55098.1
As 188.980	113.251	ppb	2.8054	2.5	59.2771
B 249.678	223.133	ppb	1.0550	0.5	2764.86
Ba 389.178	152.011	ppb	0.1370	0.1	3307.83
Be 313.042	56.8125	ppb	0.1823	0.3	99391.6
Ca 370.602	5227	ppb	9.303	0.2	13862
Cd 226.502	55.8025	ppb	0.1381	0.2	1953.09
Co 228.615	54.8796	ppb	1.2902	2.4	551.786
Cr 267.716	132.164	ppb	0.4479	0.3	4087.85
Cu 324.754	115.843	ppb	0.3978	0.3	6237.01
Fe 271.441	8038.07	ppb	25.9523	0.3	13257.8
K 766.491	5441.57	ppb	29.5272	0.5	173221
Mg 279.078	5959.15	ppb	20.9960	0.4	11908.2
Mn 257.610	588.905	ppb	1.6937	0.3	136868
Mo 202.032	103.731	ppb	0.6575	0.6	757.105
Na 330.237	5610.08	ppb	129.603	2.3	294.336
Ni 231.604	111.393	ppb	1.4552	1.3	281.718
Pb 220.353	66.1012	ppb	4.4734	6.8	140.127
Sb 206.834	40.9501	ppb	4.3075	10.5	37.9341
Se 196.026	109.524	ppb	6.9302	6.3	61.2071
Sn 189.925	212.633	ppb	2.6946	1.3	149.512
Sr 216.596	156.029	ppb	0.3214	0.2	1543.46
Ti 334.941	440.598	ppb	0.9306	0.2	112499
Tl 190.794	38.7495	ppb	1.7438	4.5	23.6621
V 292.401	134.373	ppb	0.6108	0.5	3549.75
Zn 206.200	125.080	ppb	0.6915	0.6	164.511

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89368-c-1-d msd (Samp) 4/18/2013, 8:08:49 AM Rack 4, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.5485	8.1816	8.4269
Al 308.215	23263.0	23412.2	23323.0
As 188.980	107.258	109.266	110.637
B 249.678	209.424	211.218	209.707
Ba 389.178	146.228	146.067	143.593
Be 313.042	55.8595	56.0905	55.7571
Ca 370.602	5098	5137	5102
Cd 226.502	54.7188	55.3124	54.8200
Co 228.615	54.3886	54.4308	54.4718
Cr 267.716	128.966	130.574	129.190
Cu 324.754	111.712	113.872	111.830
Fe 271.441	7723.95	7733.42	7691.06
K 766.491	5337.42	5346.39	5312.33
Mg 279.078	5829.66	5866.67	5821.96
Mn 257.610	579.631	581.418	577.835
Mo 202.032	101.146	101.904	100.780
Na 330.237	5482.10	5572.54	5590.99
Ni 231.604	110.086	110.708	109.115
Pb 220.353	67.3604	64.6907	66.2634
Sb 206.834	39.1152	37.2990	34.6574
Se 196.026	109.871	100.434	110.219
Sn 189.925	214.725	204.176	205.929
Sr 216.596	148.432	150.879	148.956
Ti 334.941	439.023	440.894	438.894
Tl 190.794	36.5454	34.3316	39.6792
V 292.401	131.509	131.472	130.623
Zn 206.200	117.335	119.431	117.586

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.3856	ppb	0.1869	2.2	653.679
Al 308.215	23332.7	ppb	75.0969	0.3	51344.8
As 188.980	109.054	ppb	1.6992	1.6	56.7250
B 249.678	210.116	ppb	0.9646	0.5	2614.65
Ba 389.178	145.296	ppb	1.4769	1.0	3163.04
Be 313.042	55.9024	ppb	0.1708	0.3	97809.2
Ca 370.602	5112	ppb	21.45	0.4	13568
Cd 226.502	54.9504	ppb	0.3175	0.6	1923.48
Co 228.615	54.4304	ppb	0.0416	0.1	547.350
Cr 267.716	129.577	ppb	0.8709	0.7	4008.01
Cu 324.754	112.471	ppb	1.2144	1.1	6061.57
Fe 271.441	7716.14	ppb	22.2318	0.3	12731.7
K 766.491	5332.05	ppb	17.6539	0.3	169744
Mg 279.078	5839.43	ppb	23.9032	0.4	11669.9
Mn 257.610	579.628	ppb	1.7914	0.3	134718
Mo 202.032	101.277	ppb	0.5734	0.6	739.706
Na 330.237	5548.54	ppb	58.2735	1.1	291.789
Ni 231.604	109.970	ppb	0.8030	0.7	278.055
Pb 220.353	66.1048	ppb	1.3419	2.0	140.147
Sb 206.834	37.0239	ppb	2.2416	6.1	34.0544
Se 196.026	106.841	ppb	5.5516	5.2	59.9637
Sn 189.925	208.277	ppb	5.6529	2.7	146.344
Sr 216.596	149.422	ppb	1.2881	0.9	1480.06
Ti 334.941	439.604	ppb	1.1194	0.3	112245
Tl 190.794	36.8521	ppb	2.6869	7.3	21.8671
V 292.401	131.201	ppb	0.5015	0.4	3466.48
Zn 206.200	118.117	ppb	1.1449	1.0	155.565

680-89368-c-2-b (Samp) 4/18/2013, 8:14:27 AM Rack 4, Tube 31

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6377u	-1.0998u	-1.3331u
Al 308.215	20494.2	20533.7	20814.0
As 188.980	1.1647	0.2467	4.0160
B 249.678	2.5831	2.1318	2.2051
Ba 389.178	39.1376	40.0698	40.4684
Be 313.042	-0.1569u	-0.1353u	-0.0902u
Ca 370.602	349.3	342.9	353.3
Cd 226.502	0.1082	-0.0568	-0.2067u
Co 228.615	-0.0370	-0.1844	0.0917
Cr 267.716	21.3775	21.5305	21.7891
Cu 324.754	2.3264	2.1735	2.8034
Fe 271.441	2147.13	2142.17	2173.69
K 766.491	323.970	327.789	330.900
Mg 279.078	415.702	409.084	424.310
Mn 257.610	27.5354	27.8154	28.3911
Mo 202.032	0.7356	0.9691	0.1630
Na 330.237	243.952	-38.9459u	326.281
Ni 231.604	2.8998	0.2621	2.2291
Pb 220.353	16.8168	19.8766	18.9876
Sb 206.834	-1.8107u	-2.5994u	-0.7743u
Se 196.026	-10.2455u	10.8716	5.9573
Sn 189.925	8.7640	4.1085	8.6664
Sr 216.596	45.6013	45.3440	45.4767
Ti 334.941	554.291	554.245	558.465
Tl 190.794	-6.4978u	1.1046	-9.2376u
V 292.401	17.8333	17.6209	18.1256
Zn 206.200	8.0198	10.1686	7.2099

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3568	ppb	0.2697	19.9	-78.7195
Al 308.215	20614.0	ppb	174.371	0.8	45355.5
As 188.980	1.8092	ppb	1.9656	108.6	-8.5173
B 249.678	2.3067	ppb	0.2422	10.5	217.015
Ba 389.178	39.8919	ppb	0.6830	1.7	880.863
Be 313.042	-0.1274	ppb	0.0340	26.7	390.647
Ca 370.602	348.5	ppb	5.246	1.5	912.1
Cd 226.502	-0.0518	ppb	0.1575	304.3	46.2881
Co 228.615	-0.0432	ppb	0.1382	319.5	10.3051
Cr 267.716	21.5657	ppb	0.2080	1.0	675.565
Cu 324.754	2.4344	ppb	0.3285	13.5	337.886
Fe 271.441	2154.33	ppb	16.9483	0.8	3634.73
K 766.491	327.553	ppb	3.4709	1.1	10868.4
Mg 279.078	416.365	ppb	7.6348	1.8	859.537
Mn 257.610	27.9140	ppb	0.4363	1.6	6900.48
Mo 202.032	0.6226	ppb	0.4148	66.6	25.7651
Na 330.237	177.096	ppb	191.572	108.2	58.8771
Ni 231.604	1.7970	ppb	1.3709	76.3	0.1083
Pb 220.353	18.5603	ppb	1.5740	8.5	59.1083
Sb 206.834	-1.7281	ppb	0.9154	53.0	-4.4224
Se 196.026	2.1944	ppb	11.0500	503.5	11.4090
Sn 189.925	7.1796	ppb	2.6601	37.1	0.1096
Sr 216.596	45.4740	ppb	0.1286	0.3	485.575
Ti 334.941	555.667	ppb	2.4231	0.4	141827
Tl 190.794	-4.8769	ppb	5.3583	109.9	-17.2216
V 292.401	17.8600	ppb	0.2534	1.4	495.669
Zn 206.200	8.4661	ppb	1.5290	18.1	14.8238

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89300-a-5-b (Samp) 4/18/2013, 8:20:05 AM Rack 4, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2325u	-1.8464u	-1.4101u
Al 308.215	53774.3	53942.7	54121.1
As 188.980	17.6984	22.8669	27.2402
B 249.678	-1.4147u	-1.0526u	-0.9387u
Ba 389.178	337.461	337.019	337.876
Be 313.042	0.5243	0.5423	0.5542
Ca 370.602	22931	22918	22955
Cd 226.502	1.8451	1.4929	1.8500
Co 228.615	7.5320	7.0408	8.0620
Cr 267.716	120.629	122.046	121.619
Cu 324.754	74.3352	75.3932	74.8049
Fe 271.441	81653.3	81585.2	81707.6
K 766.491	1314.18	1309.71	1314.80
Mg 279.078	1937.33	1931.23	1926.78
Mn 257.610	674.171	673.939	674.514
Mo 202.032	4.7479	4.4576	5.0323
Na 330.237	191.431u	136.420u	-79.9849u
Ni 231.604	22.0187	19.3484	19.9124
Pb 220.353	1312.51	1305.93	1312.98
Sb 206.834	-2.8946	-5.3773u	-3.5915u
Se 196.026	-5.3508u	-7.9485u	-3.1802u
Sn 189.925	9.1581	14.8919	13.6495
Sr 216.596	61.0921	61.8284	61.9471
Ti 334.941	725.541	726.222	727.103
Tl 190.794	-3.1897u	-3.5675u	0.2844u
V 292.401	253.471	254.287	253.491
Zn 206.200	1422.40	1417.32	1418.99

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4963	ppb	0.3159	21.1	-85.7451
Al 308.215	53946.1	ppb	173.430	0.3	118731
As 188.980	22.6018	ppb	4.7764	21.1	3.5357
B 249.678	-1.1353	ppb	0.2486	21.9	85.8573
Ba 389.178	337.452	ppb	0.4287	0.1	7372.26
Be 313.042	0.5403	ppb	0.0150	2.8	1551.83
Ca 370.602	22935	ppb	18.94	0.1	57285
Cd 226.502	1.7293	ppb	0.2048	11.8	281.658
Co 228.615	7.5449	ppb	0.5107	6.8	87.6049
Cr 267.716	121.432	ppb	0.7272	0.6	3768.28
Cu 324.754	74.8444	ppb	0.5301	0.7	4124.18
Fe 271.441	81648.7	ppb	61.3288	0.1	133526
K 766.491	1312.90	ppb	2.7762	0.2	42149.7
Mg 279.078	1931.78	ppb	5.2965	0.3	3877.20
Mn 257.610	674.208	ppb	0.2892	0.0	156801
Mo 202.032	4.7459	ppb	0.2874	6.1	50.7125
Na 330.237	82.6221	ppb	143.483	173.7	24.5742
Ni 231.604	20.4265	ppb	1.4074	6.9	49.5762
Pb 220.353	1310.47	ppb	3.9441	0.3	2260.58
Sb 206.834	-3.9545	ppb	1.2806	32.4	-3.9027
Se 196.026	-5.4932	ppb	2.3874	43.5	7.9287
Sn 189.925	12.5665	ppb	3.0164	24.0	4.0335
Sr 216.596	61.6225	ppb	0.4632	0.8	670.988
Ti 334.941	726.289	ppb	0.7835	0.1	185363
Tl 190.794	-2.1576	ppb	2.1232	98.4	-19.3120
V 292.401	253.750	ppb	0.4652	0.2	6730.63
Zn 206.200	1419.57	ppb	2.5876	0.2	1829.34

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89300-a-6-b (Samp) 4/18/2013, 8:25:43 AM Rack 4, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.4781u	-0.7908u	-1.5366u
Al 308.215	120334	120566	120697
As 188.980	79.2298	75.5283	74.2118
B 249.678	-10.3620u	-9.0615u	-8.9874u
Ba 389.178	196.902	197.645	195.533
Be 313.042	1.2523	1.2529	1.2557
Ca 370.602	11275	11260	11251
Cd 226.502	5.7268	5.8194	5.4407
Co 228.615	9.9064	9.0443	8.4471
Cr 267.716	359.500	361.264	359.896
Cu 324.754	126.029	127.259	125.453
Fe 271.441	400811	400820	399909
K 766.491	3652.52	3650.10	3652.09
Mg 279.078	2323.53	2315.75	2321.32
Mn 257.610	282.323	282.868	281.910
Mo 202.032	14.6537	14.4535	14.8077
Na 330.237	1066.05u	1145.66u	1141.65u
Ni 231.604	19.8691	22.3722	22.3319
Pb 220.353	308.357	306.495	321.194
Sb 206.834	1.5938	-0.1885	0.4616
Se 196.026	6.9724	13.7356	4.4720
Sn 189.925	18.9818	17.5656	12.3501
Sr 216.596	67.6144	66.8068	66.8789
Ti 334.941	1022.46	1024.14	1024.85
Tl 190.794	-8.3141u	-2.8217u	-3.6135u
V 292.401	829.321	829.968	828.691
Zn 206.200	649.578	655.285	652.978

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2685	ppb	0.4147	32.7	-68.1430
Al 308.215	120532	ppb	183.836	0.2	265311
As 188.980	76.3233	ppb	2.6018	3.4	32.9248
B 249.678	-9.4703	ppb	0.7731	8.2	-376.808
Ba 389.178	196.693	ppb	1.0712	0.5	4771.80
Be 313.042	1.2536	ppb	0.0018	0.1	2767.90
Ca 370.602	11262	ppb	12.12	0.1	3122
Cd 226.502	5.6623	ppb	0.1974	3.5	1116.46
Co 228.615	9.1326	ppb	0.7336	8.0	101.276
Cr 267.716	360.220	ppb	0.9255	0.3	11177.1
Cu 324.754	126.247	ppb	0.9227	0.7	6888.36
Fe 271.441	400513	ppb	523.232	0.1	654531
K 766.491	3651.57	ppb	1.2886	0.0	116395
Mg 279.078	2320.20	ppb	4.0085	0.2	4694.05
Mn 257.610	282.367	ppb	0.4808	0.2	66928.3
Mo 202.032	14.6383	ppb	0.1776	1.2	104.291
Na 330.237	1117.79	ppb	44.8491	4.0	-8.0966
Ni 231.604	21.5244	ppb	1.4337	6.7	58.8599
Pb 220.353	312.015	ppb	8.0033	2.6	558.323
Sb 206.834	0.6223	ppb	0.9020	144.9	9.9694
Se 196.026	8.3933	ppb	4.7925	57.1	13.9755
Sn 189.925	16.2991	ppb	3.4926	21.4	6.7358
Sr 216.596	67.1000	ppb	0.4469	0.7	837.636
Ti 334.941	1023.82	ppb	1.2253	0.1	261292
Tl 190.794	-4.9164	ppb	2.9690	60.4	-36.8065
V 292.401	829.327	ppb	0.6386	0.1	21942.7
Zn 206.200	652.614	ppb	2.8708	0.4	842.367

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.9466u	-2.5093u	-2.4061u
Al 308.215	113625	113801	114658
As 188.980	39.4072	26.9946	30.6427
B 249.678	81.1406	81.3069	80.9845
Ba 389.178	1494.78	1495.15	1499.62
Be 313.042	11.3299	11.3573	11.3623
Ca 370.602	226701	225843	227522
Cd 226.502	2.5717	2.7621	2.3670
Co 228.615	10.7679	11.2888	11.3536
Cr 267.716	122.552	122.659	123.746
Cu 324.754	213.846	213.770	215.216
Fe 271.441	91295.3	91168.2	91467.5
K 766.491	15199.5	15188.2	15246.4
Mg 279.078	30874.1	30860.1	30914.8
Mn 257.610	6019.27	6033.24	6054.31
Mo 202.032	3.5744	4.8637	4.6494
Na 330.237	1223.25	1254.02	1318.02
Ni 231.604	30.4551	30.9876	28.6858
Pb 220.353	1448.85	1440.81	1448.53
Sb 206.834	9.3270	-1.2477	12.6426
Se 196.026	-1.0283	-15.2687u	-15.5742u
Sn 189.925	50.9850	46.8576	49.8714
Sr 216.596	433.498	432.896	435.151
Ti 334.941	1481.58	1483.23	1487.20
Tl 190.794	4.1389u	2.5191u	2.6859u
V 292.401	273.421	273.262	273.574
Zn 206.200	817.318	817.564	815.873

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6207	ppb	0.2869	10.9	-163.074
Al 308.215	114028	ppb	552.841	0.5	250996
As 188.980	32.3482	ppb	6.3796	19.7	11.1379
B 249.678	81.1440	ppb	0.1612	0.2	1026.60
Ba 389.178	1496.52	ppb	2.6955	0.2	32318.9
Be 313.042	11.3498	ppb	0.0174	0.2	20418.5
Ca 370.602	226689	ppb	839.6	0.4	615022
Cd 226.502	2.5670	ppb	0.1976	7.7	331.688
Co 228.615	11.1367	ppb	0.3211	2.9	140.443
Cr 267.716	122.986	ppb	0.6609	0.5	3833.78
Cu 324.754	214.278	ppb	0.8137	0.4	11375.4
Fe 271.441	91310.4	ppb	150.186	0.2	149313
K 766.491	15211.4	ppb	30.8699	0.2	483379
Mg 279.078	30883.0	ppb	28.4364	0.1	61536.3
Mn 257.610	6035.60	ppb	17.6401	0.3	1398636
Mo 202.032	4.3625	ppb	0.6909	15.8	47.4807
Na 330.237	1265.10	ppb	48.3487	3.8	72.4094
Ni 231.604	30.0428	ppb	1.2050	4.0	74.4915
Pb 220.353	1446.06	ppb	4.5535	0.3	2492.00
Sb 206.834	6.9073	ppb	7.2544	105.0	7.1163
Se 196.026	-10.6237	ppb	8.3113	78.2	6.7869
Sn 189.925	49.2380	ppb	2.1353	4.3	30.7777
Sr 216.596	433.848	ppb	1.1677	0.3	4263.33
Ti 334.941	1484.00	ppb	2.8892	0.2	378756
Tl 190.794	3.1146	ppb	0.8910	28.6	-22.2678
V 292.401	273.419	ppb	0.1560	0.1	7262.63
Zn 206.200	816.918	ppb	0.9139	0.1	1054.29

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mb 680-273342/11-a (Samp) 4/18/2013, 8:37:00 AM Rack 4, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6108u	-1.1266u	-1.0871u
Al 308.215	6.2091	10.1585	10.1026
As 188.980	-2.2987u	-7.3490u	-3.8116u
B 249.678	-5.8679u	-4.8139u	-4.9661u
Ba 389.178	-1.3874u	-2.0501u	-1.8810u
Be 313.042	-0.5592u	-0.5644u	-0.5646u
Ca 370.602	14.88	22.49	32.03
Cd 226.502	-0.1743u	-0.0160u	-0.2099u
Co 228.615	0.0065	-0.6972u	-0.0999u
Cr 267.716	-0.7922u	-0.3393u	-0.3495u
Cu 324.754	-0.0882u	-0.4782u	-0.6880u
Fe 271.441	27.2900	27.1223	33.9095
K 766.491	8.3843	7.8524	9.3126
Mg 279.078	6.3030	3.2846	7.0375
Mn 257.610	-1.4128u	-1.3626u	-1.2435u
Mo 202.032	-0.1094u	-1.0199u	-0.6479u
Na 330.237	56.6171	328.980	351.050
Ni 231.604	-1.5734u	-0.3688u	-0.9815u
Pb 220.353	2.1103	4.7301	6.5611
Sb 206.834	-0.4924u	-3.5963u	0.6965
Se 196.026	-0.3898u	-7.2916u	2.6806
Sn 189.925	19.3178	16.3349	20.7351
Sr 216.596	-2.4111u	-1.9500u	-2.9252u
Ti 334.941	0.2952	0.2371	0.3263
Tl 190.794	-5.2818u	-6.7873u	-6.5702u
V 292.401	-0.9022u	-0.9890u	-1.3663u
Zn 206.200	0.5625	-1.6671u	0.5220

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9415	ppb	0.2871	30.5	-45.6246
Al 308.215	8.8234	ppb	2.2642	25.7	-4.7789
As 188.980	-4.4864	ppb	2.5919	57.8	-12.3306
B 249.678	-5.2160	ppb	0.5697	10.9	132.431
Ba 389.178	-1.7728	ppb	0.3444	19.4	-16.7395
Be 313.042	-0.5627	ppb	0.0031	0.5	-367.270
Ca 370.602	23.14	ppb	8.593	37.1	78.64
Cd 226.502	-0.1334	ppb	0.1032	77.4	38.8393
Co 228.615	-0.2635	ppb	0.3793	144.0	-4.4488
Cr 267.716	-0.4937	ppb	0.2586	52.4	-5.8693
Cu 324.754	-0.4181	ppb	0.3044	72.8	189.102
Fe 271.441	29.4406	ppb	3.8711	13.1	162.405
K 766.491	8.5164	ppb	0.7390	8.7	740.072
Mg 279.078	5.5417	ppb	1.9889	35.9	45.6939
Mn 257.610	-1.3396	ppb	0.0870	6.5	117.507
Mo 202.032	-0.5924	ppb	0.4578	77.3	17.2806
Na 330.237	245.549	ppb	163.991	66.8	66.1522
Ni 231.604	-0.9746	ppb	0.6023	61.8	-7.0605
Pb 220.353	4.4672	ppb	2.2370	50.1	35.5340
Sb 206.834	-1.1307	ppb	2.2164	196.0	-4.0783
Se 196.026	-1.6669	ppb	5.1073	306.4	9.6171
Sn 189.925	18.7959	ppb	2.2461	11.9	8.5565
Sr 216.596	-2.4288	ppb	0.4878	20.1	25.4635
Ti 334.941	0.2862	ppb	0.0453	15.8	162.213
Tl 190.794	-6.2131	ppb	0.8138	13.1	-18.3694
V 292.401	-1.0858	ppb	0.2467	22.7	-12.2869
Zn 206.200	-0.1942	ppb	1.2757	656.8	3.7419

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7379u	-1.3721u	-1.0646u
Al 308.215	25.4012	32.2907	27.7905
As 188.980	-3.5727u	2.5444	3.7034
B 249.678	13.6745	13.2217	13.6721
Ba 389.178	1.2892	2.3069	1.3599
Be 313.042	-0.5507u	-0.5527u	-0.5622u
Ca 370.602	2097	2115	2138
Cd 226.502	0.2609	0.1023	0.2116
Co 228.615	0.8469	0.7545	0.3954u
Cr 267.716	1.8720	1.6336	1.8704
Cu 324.754	420.317	423.204	427.336
Fe 271.441	5966.74	5968.40	6043.79
K 766.491	49.6537	51.0632	51.5767
Mg 279.078	78.2705	80.8995	84.1967
Mn 257.610	9.8399	9.7408	9.9370
Mo 202.032	240.433	239.956	243.267
Na 330.237	60.3480u	189.968	142.105
Ni 231.604	11.5388	13.3580	11.0733
Pb 220.353	22.9451	26.1195	26.2532
Sb 206.834	3.7496	-2.5421u	2.8113u
Se 196.026	4.3991	4.6536	1.1923
Sn 189.925	29.7185	24.1840	23.6558
Sr 216.596	196.132	196.570	198.512
Ti 334.941	3.9592	3.9210	3.9254
Tl 190.794	-0.6316u	-0.4849u	-3.4384u
V 292.401	-0.3689u	-0.5902u	-0.7798u
Zn 206.200	593.782	591.482	594.406

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0582	ppb	0.3172	30.0	-63.3619
Al 308.215	28.4941	ppb	3.4983	12.3	50.6696
As 188.980	0.8917	ppb	3.9095	438.4	-9.1610
B 249.678	13.5227	ppb	0.2608	1.9	342.368
Ba 389.178	1.6520	ppb	0.5682	34.4	65.8146
Be 313.042	-0.5552	ppb	0.0062	1.1	-387.649
Ca 370.602	2116	ppb	20.39	1.0	5399
Cd 226.502	0.1916	ppb	0.0811	42.3	62.9613
Co 228.615	0.6656	ppb	0.2385	35.8	-2.1972
Cr 267.716	1.7920	ppb	0.1372	7.7	65.5552
Cu 324.754	423.619	ppb	3.5280	0.8	22241.5
Fe 271.441	5992.98	ppb	44.0120	0.7	9906.81
K 766.491	50.7645	ppb	0.9957	2.0	2081.30
Mg 279.078	81.1222	ppb	2.9693	3.7	197.312
Mn 257.610	9.8393	ppb	0.0981	1.0	2723.14
Mo 202.032	241.219	ppb	1.7900	0.7	1733.32
Na 330.237	130.807	ppb	65.5443	50.1	55.8660
Ni 231.604	11.9901	ppb	1.2073	10.1	26.3589
Pb 220.353	25.1060	ppb	1.8725	7.5	70.3797
Sb 206.834	1.3396	ppb	3.3942	253.4	-4.6952
Se 196.026	3.4150	ppb	1.9292	56.5	11.9663
Sn 189.925	25.8527	ppb	3.3582	13.0	13.6886
Sr 216.596	197.071	ppb	1.2666	0.6	1933.14
Ti 334.941	3.9352	ppb	0.0209	0.5	1093.91
Tl 190.794	-1.5183	ppb	1.6645	109.6	-14.2660
V 292.401	-0.5797	ppb	0.2057	35.5	-44.1276
Zn 206.200	593.223	ppb	1.5396	0.3	766.912

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Cont Calib Verif (CCV) 4/18/2013, 8:48:27 AM Rack 4, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.630	501.104	499.366
Al 308.215	4921.90	4886.17	4906.31
As 188.980	545.982	537.642	534.225
B 249.678	562.058	564.964	570.063
Ba 389.178	4959.64	4937.04	4947.56
Be 313.042	554.144	552.975	555.117
Ca 370.602	5051	5010	5016
Cd 226.502	543.107	541.601	542.394
Co 228.615	540.067	539.595	541.095
Cr 267.716	5318.50	5298.01	5313.25
Cu 324.754	5364.66	5314.24	5406.55
Fe 271.441	5280.38	5288.17	5288.90
K 766.491	10137.5	10135.0	10161.9
Mg 279.078	5407.85	5406.11	5409.89
Mn 257.610	5478.75	5459.63	5469.77
Mo 202.032	501.130	500.375	499.821
Na 330.237	7921.24	7912.43	7958.88
Ni 231.604	2748.45	2741.22	2742.65
Pb 220.353	514.718	515.818	516.107
Sb 206.834	981.995	971.825	975.013
Se 196.026	5463.56	5446.55	5463.46
Sn 189.925	5183.07	5137.39	5171.37
Sr 216.596	2587.65	2579.84	2584.04
Ti 334.941	491.319	489.709	491.816
Tl 190.794	5065.37	5092.08	5081.69
V 292.401	5100.41	5088.26	5101.63
Zn 206.200	2866.24	2831.59	2847.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.700	ppb	1.1845	0.2	37683.9	100.14002
Al 308.215	4904.80	ppb	17.9135	0.4	10763.7	98.09595
As 188.980	539.283	ppb	6.0477	1.1	318.538	107.85658
B 249.678	565.695	ppb	4.0524	0.7	6730.88	22.62781Q
Ba 389.178	4948.08	ppb	11.3074	0.2	106200	98.96160
Be 313.042	554.079	ppb	1.0722	0.2	963913	110.81572Q
Ca 370.602	5026	ppb	22.12	0.4	13664	100.51290
Cd 226.502	542.367	ppb	0.7531	0.1	18444.5	108.47346
Co 228.615	540.252	ppb	0.7668	0.1	5387.13	108.05045
Cr 267.716	5309.92	ppb	10.6418	0.2	163755	106.19839
Cu 324.754	5361.82	ppb	46.2206	0.9	278910	107.23640
Fe 271.441	5285.82	ppb	4.7257	0.1	8878.59	105.71634
K 766.491	10144.8	ppb	14.8713	0.1	322531	101.44773
Mg 279.078	5407.95	ppb	1.8954	0.0	10739.6	108.15900
Mn 257.610	5469.38	ppb	9.5654	0.2	1267119	109.38762
Mo 202.032	500.442	ppb	0.6567	0.1	3563.88	100.08843
Na 330.237	7930.85	ppb	24.6690	0.3	378.745	105.74465
Ni 231.604	2744.11	ppb	3.8307	0.1	7043.59	109.76429
Pb 220.353	515.548	ppb	0.7330	0.1	906.541	103.10952
Sb 206.834	976.278	ppb	5.2013	0.5	1009.10	97.62776
Se 196.026	5457.86	ppb	9.7949	0.2	2537.61	109.15720
Sn 189.925	5163.94	ppb	23.7308	0.5	3749.93	103.27884
Sr 216.596	2583.84	ppb	3.9085	0.2	24772.7	103.35380
Ti 334.941	490.948	ppb	1.1016	0.2	125338	98.18964
Tl 190.794	5079.71	ppb	13.4637	0.3	4863.60	101.59428
V 292.401	5096.77	ppb	7.3927	0.1	134418	101.93538
Zn 206.200	2848.41	ppb	17.3480	0.6	3653.59	113.93645Q

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Cont Calib Blank (CCB) 4/18/2013, 8:54:06 AM Rack 4, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6377u	-0.7990u	-0.6091u
Al 308.215	1.4118	0.5824	4.6873
As 188.980	0.4617	-0.0762u	-0.2493u
B 249.678	3.1020	2.4650	2.1108
Ba 389.178	1.4082	2.2128	2.4307
Be 313.042	-0.3394u	-0.2659u	-0.1638u
Ca 370.602	0.3167	2.007	11.68
Cd 226.502	-0.1424u	0.0114	0.0203
Co 228.615	0.1823	-0.3217u	0.5297
Cr 267.716	0.6942	1.4283	2.6117
Cu 324.754	1.0364	2.4217	2.9977
Fe 271.441	0.7880	8.9776	13.2179
K 766.491	-2.1858u	-0.6947u	3.3459
Mg 279.078	4.0479	9.8904	7.3854
Mn 257.610	1.1118	2.0263	3.2134
Mo 202.032	0.3510	0.1671	0.4424
Na 330.237	-42.9850u	5.0930	47.8188
Ni 231.604	2.6626	0.8649	1.2866
Pb 220.353	2.3867	3.8658	4.3544
Sb 206.834	4.8089	2.5264	-0.9348u
Se 196.026	-7.7775u	4.8736	11.8749
Sn 189.925	-4.0637u	-3.0655u	0.7552
Sr 216.596	-1.1432u	-0.7013u	-0.4878u
Ti 334.941	-0.1461u	-0.0793u	0.0627
Tl 190.794	3.3508	3.7024	3.2202
V 292.401	1.3535	2.0059	3.2473
Zn 206.200	-2.4424u	-1.3103u	0.1218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6819	ppb	0.1024	15.0	-26.0986	-0.68193
Al 308.215	2.2272	ppb	2.1705	97.5	-19.2814	2.22716
As 188.980	0.0454	ppb	0.3708	817.1	-9.5721	0.04538
B 249.678	2.5593	ppb	0.5023	19.6	222.402	2.55927
Ba 389.178	2.0172	ppb	0.5386	26.7	64.5519	2.01723
Be 313.042	-0.2564	ppb	0.0882	34.4	165.230	-0.25639
Ca 370.602	4.668	ppb	6.131	131.3	29.54	4.66767
Cd 226.502	-0.0369	ppb	0.0914	247.8	42.0675	-0.03689
Co 228.615	0.1301	ppb	0.4281	329.1	-0.5427	0.13010
Cr 267.716	1.5781	ppb	0.9675	61.3	58.0067	1.57806
Cu 324.754	2.1519	ppb	1.0081	46.8	322.691	2.15195
Fe 271.441	7.6612	ppb	6.3187	82.5	126.856	7.66118
K 766.491	0.1552	ppb	2.8621	1844.5	474.631	0.15517
Mg 279.078	7.1079	ppb	2.9311	41.2	48.7632	7.10789
Mn 257.610	2.1172	ppb	1.0537	49.8	918.021	2.11719
Mo 202.032	0.3202	ppb	0.1402	43.8	23.7527	0.32016
Na 330.237	3.3089	ppb	45.4282	1372.9	55.6016	3.30892
Ni 231.604	1.6047	ppb	0.9401	58.6	-0.4363	1.60471
Pb 220.353	3.5356	ppb	1.0246	29.0	33.9462	3.53561
Sb 206.834	2.1335	ppb	2.8919	135.5	-0.8567	2.13351
Se 196.026	2.9904	ppb	9.9606	333.1	11.7734	2.99035
Sn 189.925	-2.1247	ppb	2.5435	119.7	-6.6563	-2.12469
Sr 216.596	-0.7774	ppb	0.3342	43.0	41.2304	-0.77741
Ti 334.941	-0.0542	ppb	0.1067	196.7	75.4029	-0.05422
Tl 190.794	3.4245	ppb	0.2494	7.3	-9.1106	3.42446
V 292.401	2.2022	ppb	0.9620	43.7	74.3965	2.20222
Zn 206.200	-1.2103	ppb	1.2850	106.2	2.4297	-1.21030

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89288-a-2-c (Samp) 4/18/2013, 8:59:45 AM Rack 4, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8633u	-1.2063u	-1.1074u
Al 308.215	49.8726	48.5966	53.8699
As 188.980	-2.1589u	-5.4203u	-6.2162u
B 249.678	50.4066	50.6239	50.6895
Ba 389.178	7.0801	7.9989	9.0195
Be 313.042	-0.5642u	-0.5731u	-0.5656u
Ca 370.602	2364	2360	2356
Cd 226.502	0.2992	0.2242	-0.0118
Co 228.615	0.0715u	-0.7366u	0.1043u
Cr 267.716	3.3815	3.6276	3.6763
Cu 324.754	277.075	274.972	274.352
Fe 271.441	11954.7	11914.7	11927.2
K 766.491	292.660	292.381	291.782
Mg 279.078	101.172	99.3617	102.329
Mn 257.610	46.6829	46.6387	46.5818
Mo 202.032	110.947	110.927	111.170
Na 330.237	-42.1007u	231.142u	308.263
Ni 231.604	3.1854	3.9209	5.3158
Pb 220.353	83.8319	87.6708	83.6377
Sb 206.834	7.4400	12.8922	11.4488
Se 196.026	-2.6371u	3.8855	1.4749
Sn 189.925	22.0137	25.2240	25.4540
Sr 216.596	0.6111	0.6626	0.5330
Ti 334.941	1.9930	1.9246	2.0000
Tl 190.794	-6.1310u	-4.0594u	-0.3812u
V 292.401	-0.6861u	-0.2829u	-0.6309u
Zn 206.200	1582.23	1573.04	1585.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0590	ppb	0.1766	16.7	-54.4462
Al 308.215	50.7797	ppb	2.7512	5.4	93.1895
As 188.980	-4.5985	ppb	2.1499	46.8	-12.5267
B 249.678	50.5733	ppb	0.1481	0.3	764.182
Ba 389.178	8.0328	ppb	0.9701	12.1	209.893
Be 313.042	-0.5676	ppb	0.0048	0.8	-390.930
Ca 370.602	2360	ppb	3.887	0.2	5654
Cd 226.502	0.1705	ppb	0.1623	95.2	75.2790
Co 228.615	-0.1869	ppb	0.4763	254.8	-7.1817
Cr 267.716	3.5618	ppb	0.1580	4.4	121.116
Cu 324.754	275.467	ppb	1.4272	0.5	14537.9
Fe 271.441	11932.2	ppb	20.4403	0.2	19610.7
K 766.491	292.274	ppb	0.4485	0.2	9748.41
Mg 279.078	100.954	ppb	1.4956	1.5	237.321
Mn 257.610	46.6345	ppb	0.0507	0.1	11260.8
Mo 202.032	111.014	ppb	0.1351	0.1	808.861
Na 330.237	165.768	ppb	184.103	111.1	49.6769
Ni 231.604	4.1407	ppb	1.0821	26.1	6.3192
Pb 220.353	85.0468	ppb	2.2746	2.7	172.715
Sb 206.834	10.5936	ppb	2.8249	26.7	6.2878
Se 196.026	0.9078	ppb	3.2981	363.3	10.8090
Sn 189.925	24.2306	ppb	1.9233	7.9	12.5090
Sr 216.596	0.6022	ppb	0.0653	10.8	55.4170
Ti 334.941	1.9725	ppb	0.0417	2.1	593.980
Tl 190.794	-3.5239	ppb	2.9121	82.6	-16.4828
V 292.401	-0.5333	ppb	0.2186	41.0	-18.7351
Zn 206.200	1580.31	ppb	6.5238	0.4	2036.36

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

680-89289-a-3-c (Samp) 4/18/2013, 9:05:24 AM Rack 4, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0083u	-0.5198u	-1.2702u
Al 308.215	7.6741	8.7980	7.3691
As 188.980	-3.9430u	-3.8562u	-7.9356u
B 249.678	-4.1641u	-4.7868u	-4.5001u
Ba 389.178	-1.7318u	-1.8859u	-1.2107u
Be 313.042	-0.5661u	-0.5706u	-0.5662u
Ca 370.602	20.01	16.34	18.53
Cd 226.502	-0.1833u	0.0607	-0.1353u
Co 228.615	-1.0870u	-0.0480u	-0.4854u
Cr 267.716	-0.4984u	-0.7148u	-0.6014u
Cu 324.754	0.9116	0.1739	0.0683
Fe 271.441	380.474	378.096	385.448
K 766.491	7.4509	7.8824	8.0043
Mg 279.078	6.2760	0.4230	3.3765
Mn 257.610	-0.1787u	-0.1293u	-0.1061u
Mo 202.032	0.3540	-0.6659u	0.1198
Na 330.237	588.462	292.911	137.330
Ni 231.604	-1.8880u	-0.2219u	-0.7141u
Pb 220.353	4.4714	5.5314	4.0138
Sb 206.834	-1.3546u	3.1175	3.7898
Se 196.026	12.8111	-0.9009u	2.4613
Sn 189.925	16.8861	24.0861	23.0060
Sr 216.596	-2.0684u	-1.8546u	-2.4811u
Ti 334.941	0.0006	0.0372	0.0855
Tl 190.794	1.9835	-5.5941u	-1.8480u
V 292.401	-0.9607u	-1.4457u	-1.1248u
Zn 206.200	6.4947	7.5102	6.8457

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9328	ppb	0.3809	40.8	-44.9551
Al 308.215	7.9471	ppb	0.7525	9.5	-6.6941
As 188.980	-5.2450	ppb	2.3306	44.4	-12.7960
B 249.678	-4.4837	ppb	0.3117	7.0	140.497
Ba 389.178	-1.6095	ppb	0.3538	22.0	-12.7774
Be 313.042	-0.5676	ppb	0.0026	0.5	-375.890
Ca 370.602	18.29	ppb	1.848	10.1	40.77
Cd 226.502	-0.0860	ppb	0.1292	150.3	41.2228
Co 228.615	-0.5401	ppb	0.5217	96.6	-7.2301
Cr 267.716	-0.6049	ppb	0.1082	17.9	-9.2411
Cu 324.754	0.3846	ppb	0.4595	119.5	230.948
Fe 271.441	381.339	ppb	3.7515	1.0	737.359
K 766.491	7.7792	ppb	0.2908	3.7	716.667
Mg 279.078	3.3585	ppb	2.9265	87.1	41.3786
Mn 257.610	-0.1380	ppb	0.0371	26.9	396.740
Mo 202.032	-0.0640	ppb	0.5343	834.4	21.0138
Na 330.237	339.568	ppb	229.156	67.5	70.1196
Ni 231.604	-0.9413	ppb	0.8560	90.9	-6.9680
Pb 220.353	4.6722	ppb	0.7784	16.7	35.8834
Sb 206.834	1.8509	ppb	2.7963	151.1	-1.1402
Se 196.026	4.7905	ppb	7.1466	149.2	12.6056
Sn 189.925	21.3260	ppb	3.8829	18.2	10.3964
Sr 216.596	-2.1347	ppb	0.3185	14.9	28.3960
Ti 334.941	0.0411	ppb	0.0426	103.6	99.7096
Tl 190.794	-1.8195	ppb	3.7889	208.2	-14.1666
V 292.401	-1.1771	ppb	0.2467	21.0	-14.7459
Zn 206.200	6.9502	ppb	0.5157	7.4	51.9306

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

680-89344-a-1-b (Samp) 4/18/2013, 9:11:02 AM Rack 4, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0332u	-0.9317u	-0.8726u
Al 308.215	13712.7	13712.2	13693.2
As 188.980	18.3632	26.0757	19.9393
B 249.678	129.801	129.082	129.493
Ba 389.178	69809.3x	69762.5x	69672.3x
Be 313.042	-0.4051u	-0.3956u	-0.3910u
Ca 370.602	58247	58233	58245
Cd 226.502	4.6643	4.6644	4.5358
Co 228.615	17.5457	16.9603	18.1464
Cr 267.716	381.490	382.141	381.628
Cu 324.754	11.8566	11.4898	12.0377
Fe 271.441	22715.1	22666.9	22738.5
K 766.491	1385.40	1386.38	1389.34
Mg 279.078	1652.66	1655.23	1649.74
Mn 257.610	99.3201	99.1963	99.3528
Mo 202.032	81.3417	83.2285	81.9502
Na 330.237	-10831.2u	-11433.4u	-11461.3u
Ni 231.604	4.2787	4.3542	4.4279
Pb 220.353	17.4435	16.7160	20.5674
Sb 206.834	6.1976	11.1438	9.8240
Se 196.026	8.1724	-7.2702u	-2.7931u
Sn 189.925	36.8579	37.7316	33.4338
Sr 216.596	1068.39	1067.16	1064.03
Ti 334.941	483.217	482.148	482.855
Tl 190.794	-1.0497u	0.6779u	0.8092u
V 292.401	2.7588	3.2929	3.4726
Zn 206.200	67790.8x	67641.1x	67650.6x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9458b	ppb	0.0812	8.6	-93.9372
Al 308.215	13706.0b	ppb	11.1320	0.1	30152.5
As 188.980	21.4594b	ppb	4.0748	19.0	3.7238
B 249.678	129.459b	ppb	0.3605	0.3	1664.40
Ba 389.178	69748.0xb	ppb	69.6504	0.1	1496295
Be 313.042	-0.3972b	ppb	0.0072	1.8	-92.5605
Ca 370.602	58242b	ppb	7.224	0.0	158063
Cd 226.502	4.6215b	ppb	0.0742	1.6	249.927
Co 228.615	17.5508b	ppb	0.5931	3.4	182.031
Cr 267.716	381.753b	ppb	0.3433	0.1	11786.5
Cu 324.754	11.7947b	ppb	0.2791	2.4	833.237
Fe 271.441	22706.8b	ppb	36.4993	0.2	37218.1
K 766.491	1387.04b	ppb	2.0524	0.1	44503.5
Mg 279.078	1652.54b	ppb	2.7463	0.2	3329.84
Mn 257.610	99.2898b	ppb	0.0825	0.1	23494.4
Mo 202.032	82.1735b	ppb	0.9630	1.2	603.623
Na 330.237	-11242.0b	ppb	356.002	3.2	-871.499
Ni 231.604	4.3536b	ppb	0.0746	1.7	7.1500
Pb 220.353	18.2423b	ppb	2.0462	11.2	58.5521
Sb 206.834	9.0551b	ppb	2.5612	28.3	9.1251
Se 196.026	-0.6303b	ppb	7.9452	1260.6	10.0920
Sn 189.925	36.0078b	ppb	2.2716	6.3	21.0921
Sr 216.596	1066.53b	ppb	2.2467	0.2	10287.9
Ti 334.941	482.740b	ppb	0.5439	0.1	123233
Tl 190.794	0.1458b	ppb	1.0374	711.6	-13.5399
V 292.401	3.1748b	ppb	0.3713	11.7	69.3440
Zn 206.200	67694.1xb	ppb	83.8102	0.1	87062.3

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

700-75993-a-1-a (Samp) 4/18/2013, 9:16:41 AM Rack 4, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8714u	-0.8493u	-1.2885u
Al 308.215	31.4743	25.9991	30.6524
As 188.980	-3.4464u	-1.8594u	0.7915
B 249.678	-5.0425u	-5.5334u	-4.4363u
Ba 389.178	-1.0125u	-0.6517u	-0.3944u
Be 313.042	-0.5455u	-0.5597u	-0.5509u
Ca 370.602	24.36	29.35	27.72
Cd 226.502	-0.1443u	-0.0222u	-0.1699u
Co 228.615	-0.3375u	-0.3947u	-0.0478u
Cr 267.716	-0.6783u	-0.9188u	-0.5659u
Cu 324.754	1.4435	2.2747	2.3606
Fe 271.441	38.5126	28.3006	28.9041
K 766.491	10.7818	10.7516	11.0785
Mg 279.078	12.7588	17.5433	10.4064
Mn 257.610	-0.9928u	-0.9403u	-0.9615u
Mo 202.032	-0.4928u	-0.7916u	-0.4136u
Na 330.237	1780.95	1778.67	1842.07
Ni 231.604	0.7300	0.4831	0.2189
Pb 220.353	5.2280	2.6186	4.6193
Sb 206.834	-3.1212u	0.1987	-4.7801u
Se 196.026	14.3740	3.3427	-0.9937u
Sn 189.925	23.9275	26.0610	21.5854
Sr 216.596	-1.9990u	-2.5606u	-2.1213u
Ti 334.941	3.0912	2.9885	3.0312
Tl 190.794	-2.0731u	-4.9327u	-0.7644u
V 292.401	-0.9858u	-1.4764u	-0.8823u
Zn 206.200	9.2782	6.7893	7.0510

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0031	ppb	0.2474	24.7	-50.2601
Al 308.215	29.3753	ppb	2.9526	10.1	40.4641
As 188.980	-1.5048	ppb	2.1411	142.3	-10.5155
B 249.678	-5.0041	ppb	0.5496	11.0	134.879
Ba 389.178	-0.6862	ppb	0.3105	45.2	6.5918
Be 313.042	-0.5521	ppb	0.0072	1.3	-348.869
Ca 370.602	27.14	ppb	2.543	9.4	89.92
Cd 226.502	-0.1121	ppb	0.0790	70.4	39.5584
Co 228.615	-0.2600	ppb	0.1860	71.5	-4.3551
Cr 267.716	-0.7210	ppb	0.1803	25.0	-12.8597
Cu 324.754	2.0262	ppb	0.5065	25.0	316.174
Fe 271.441	31.9058	ppb	5.7296	18.0	166.461
K 766.491	10.8706	ppb	0.1806	1.7	814.810
Mg 279.078	13.5695	ppb	3.6368	26.8	61.6961
Mn 257.610	-0.9649	ppb	0.0264	2.7	204.339
Mo 202.032	-0.5660	ppb	0.1993	35.2	17.4679
Na 330.237	1800.56	ppb	35.9617	2.0	133.898
Ni 231.604	0.4773	ppb	0.2556	53.5	-3.3314
Pb 220.353	4.1553	ppb	1.3652	32.9	35.0007
Sb 206.834	-2.5675	ppb	2.5352	98.7	-5.4922
Se 196.026	5.5743	ppb	7.9231	142.1	12.9685
Sn 189.925	23.8580	ppb	2.2386	9.4	12.2379
Sr 216.596	-2.2269	ppb	0.2953	13.3	27.3744
Ti 334.941	3.0370	ppb	0.0516	1.7	863.784
Tl 190.794	-2.5901	ppb	2.1317	82.3	-14.8883
V 292.401	-1.1148	ppb	0.3174	28.5	-13.0174
Zn 206.200	7.7062	ppb	1.3677	17.7	13.9026

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

700-75993-a-2-a (Samp) 4/18/2013, 9:22:30 AM Rack 4, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5589u	-1.1913u	-1.1200u
Al 308.215	24.5886	24.0048	24.8731
As 188.980	-3.1198u	2.9289	-0.0588u
B 249.678	-6.5690u	-6.1032u	-6.5555u
Ba 389.178	-1.8203u	-2.5645u	-1.4996u
Be 313.042	-0.5625u	-0.5573u	-0.5460u
Ca 370.602	26.33	27.72	26.68
Cd 226.502	-0.0641u	-0.0568u	0.0273
Co 228.615	-0.2477u	-0.6190u	-1.5176u
Cr 267.716	-0.8122u	-0.5769u	-0.9227u
Cu 324.754	0.9344	0.6158	0.8840
Fe 271.441	16.7818	25.2516	18.9642
K 766.491	9.1044	9.3952	9.3925
Mg 279.078	13.2865	12.7257	9.8469
Mn 257.610	-1.3422u	-1.3705u	-1.2871u
Mo 202.032	-1.3477u	-0.6486u	-0.1650u
Na 330.237	2045.22	2101.88	2146.37
Ni 231.604	-0.1262u	-1.6672u	1.6032
Pb 220.353	4.1331	3.4338	1.5118
Sb 206.834	1.4692	-1.0711u	-7.0646u
Se 196.026	0.2441	16.1339	2.1946
Sn 189.925	25.8012	20.7449	24.5527
Sr 216.596	-2.0471u	-2.5968u	-1.7283u
Ti 334.941	3.2520	3.2130	3.2682
Tl 190.794	0.4978	-9.0910u	2.0741
V 292.401	-0.7462u	-1.2340u	-0.9429u
Zn 206.200	6.0632	6.7126	4.7593

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9567	ppb	0.3464	36.2	-46.7661
Al 308.215	24.4888	ppb	0.4427	1.8	29.6942
As 188.980	-0.0833	ppb	3.0244	3632.6	-9.6501
B 249.678	-6.4092	ppb	0.2651	4.1	118.635
Ba 389.178	-1.9615	ppb	0.5463	27.9	-20.7831
Be 313.042	-0.5552	ppb	0.0084	1.5	-354.423
Ca 370.602	26.91	ppb	0.7229	2.7	89.95
Cd 226.502	-0.0312	ppb	0.0508	162.9	42.2806
Co 228.615	-0.7947	ppb	0.6529	82.2	-9.6696
Cr 267.716	-0.7706	ppb	0.1766	22.9	-14.3907
Cu 324.754	0.8114	ppb	0.1713	21.1	253.009
Fe 271.441	20.3325	ppb	4.3975	21.6	147.532
K 766.491	9.2974	ppb	0.1671	1.8	764.864
Mg 279.078	11.9531	ppb	1.8454	15.4	58.4765
Mn 257.610	-1.3333	ppb	0.0424	3.2	118.989
Mo 202.032	-0.7204	ppb	0.5947	82.5	16.3719
Na 330.237	2097.82	ppb	50.6959	2.4	146.874
Ni 231.604	-0.0634	ppb	1.6361	2581.9	-4.7203
Pb 220.353	3.0262	ppb	1.3573	44.9	33.0768
Sb 206.834	-2.2222	ppb	4.3818	197.2	-5.1513
Se 196.026	6.1909	ppb	8.6660	140.0	13.2538
Sn 189.925	23.6996	ppb	2.6339	11.1	12.1228
Sr 216.596	-2.1241	ppb	0.4393	20.7	28.3788
Ti 334.941	3.2444	ppb	0.0284	0.9	916.667
Tl 190.794	-2.1730	ppb	6.0427	278.1	-14.4865
V 292.401	-0.9744	ppb	0.2454	25.2	-9.2445
Zn 206.200	5.8450	ppb	0.9947	17.0	515.5095

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

mb 680-273398/1-a (Samp) 4/18/2013, 9:28:10 AM Rack 4, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6521u	-0.9703u	-1.4203u
Al 308.215	-8.2561u	-3.7933u	-4.2316u
As 188.980	-3.4695u	-1.2787u	-0.3938u
B 249.678	-5.7783u	-6.1369u	-6.7636u
Ba 389.178	2.1125	0.7360	-0.1149u
Be 313.042	-0.5640u	-0.5776u	-0.5703u
Ca 370.602	-7.873u	-11.80u	-7.597u
Cd 226.502	-0.1949u	-0.2943u	-0.2535u
Co 228.615	-0.3231u	-0.5955u	0.6907
Cr 267.716	-1.5397u	-1.3463u	-0.8063u
Cu 324.754	-0.7221u	-0.4260u	-0.2628u
Fe 271.441	-9.1176u	-3.1892u	-3.6220u
K 766.491	-8.2912u	-8.3273u	-8.5122u
Mg 279.078	3.1531	2.7517	3.9830
Mn 257.610	-1.5792u	-1.5816u	-1.6242u
Mo 202.032	-0.6103u	-1.0402u	-1.0693u
Na 330.237	417.836	153.636	102.390
Ni 231.604	-0.4552u	-1.0885u	-0.8837u
Pb 220.353	5.7586	4.3269	6.2565
Sb 206.834	-0.2938u	0.6105	-2.6832u
Se 196.026	4.1926	-12.2470u	4.4551
Sn 189.925	-8.9516u	-5.7077u	-6.7554u
Sr 216.596	-2.3190u	-2.6033u	-2.7861u
Ti 334.941	-0.4815u	-0.4339u	-0.4468u
Tl 190.794	-1.2202u	-6.5455u	-0.7260u
V 292.401	-1.3753u	-0.9489u	-0.5307u
Zn 206.200	0.7938	0.1506	-0.5669u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0143	ppb	0.3860	38.1	-51.0902
Al 308.215	-5.4270	ppb	2.4599	45.3	-36.1716
As 188.980	-1.7140	ppb	1.5833	92.4	-10.6427
B 249.678	-6.2263	ppb	0.4987	8.0	120.780
Ba 389.178	0.9112	ppb	1.1240	123.4	40.7890
Be 313.042	-0.5706	ppb	0.0068	1.2	-380.933
Ca 370.602	-9.091	ppb	2.352	25.9	-7.506
Cd 226.502	-0.2476	ppb	0.0500	20.2	34.8975
Co 228.615	-0.0760	ppb	0.6778	892.1	-2.5735
Cr 267.716	-1.2308	ppb	0.3801	30.9	-28.6100
Cu 324.754	-0.4703	ppb	0.2328	49.5	186.367
Fe 271.441	-5.3096	ppb	3.3049	62.2	105.644
K 766.491	-8.3769	ppb	0.1186	1.4	203.767
Mg 279.078	3.2959	ppb	0.6279	19.1	41.2146
Mn 257.610	-1.5950	ppb	0.0253	1.6	58.2622
Mo 202.032	-0.9066	ppb	0.2570	28.3	15.0517
Na 330.237	224.621	ppb	169.280	75.4	65.2505
Ni 231.604	-0.8091	ppb	0.3232	39.9	-6.6363
Pb 220.353	5.4473	ppb	1.0018	18.4	37.2052
Sb 206.834	-0.7889	ppb	1.7017	215.7	-3.7500
Se 196.026	-1.1998	ppb	9.5681	797.5	9.8333
Sn 189.925	-7.1383	ppb	1.6555	23.2	-10.3019
Sr 216.596	-2.5695	ppb	0.2354	9.2	24.1156
Ti 334.941	-0.4541	ppb	0.0246	5.4	-26.6178
Tl 190.794	-2.8306	ppb	3.2267	114.0	-15.1166
V 292.401	-0.9516	ppb	0.4223	44.4	-8.6227
Zn 206.200	0.1258	ppb	0.6897	540.8	-4.1557

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Ics 680-273398/2-a (Samp) 4/18/2013, 9:33:48 AM Rack 4, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	38.6790	38.6190	38.4430
Al 308.215	5242.58	5281.71	5274.97
As 188.980	122.182	117.714	118.475
B 249.678	217.818	220.520	221.618
Ba 389.178	101.262	101.703	101.594
Be 313.042	57.3887	57.6690	57.6530
Ca 370.602	5027	5060	5050
Cd 226.502	57.4366	57.2023	57.0369
Co 228.615	56.5268	56.3313	55.4806
Cr 267.716	109.283	110.194	110.296
Cu 324.754	111.600	110.957	111.795
Fe 271.441	5349.67	5370.75	5366.76
K 766.491	5174.20	5207.30	5219.22
Mg 279.078	5580.68	5592.82	5578.63
Mn 257.610	575.990	578.389	577.089
Mo 202.032	102.619	103.552	102.807
Na 330.237	6002.16	5625.13	5830.23
Ni 231.604	110.148	111.483	112.134
Pb 220.353	58.7065	58.5764	59.1050
Sb 206.834	51.7373	54.7956	56.0395
Se 196.026	117.212	120.798	107.937
Sn 189.925	201.996	206.380	207.258
Sr 216.596	104.520	104.477	104.058
Ti 334.941	99.6982	100.251	100.271
Tl 190.794	41.7156	40.3180	40.5721
V 292.401	105.847	105.764	105.421
Zn 206.200	118.700	118.370	117.172

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.5803	ppb	0.1227	0.3	2930.02
Al 308.215	5266.42	ppb	20.9172	0.4	11573.8
As 188.980	119.457	ppb	2.3907	2.0	63.0807
B 249.678	219.985	ppb	1.9555	0.9	2731.54
Ba 389.178	101.520	ppb	0.2296	0.2	2220.21
Be 313.042	57.5702	ppb	0.1574	0.3	100709
Ca 370.602	5046	ppb	17.14	0.3	13496
Cd 226.502	57.2253	ppb	0.2008	0.4	1995.40
Co 228.615	56.1129	ppb	0.5563	1.0	556.355
Cr 267.716	109.924	ppb	0.5576	0.5	3401.15
Cu 324.754	111.451	ppb	0.4385	0.4	6008.13
Fe 271.441	5362.39	ppb	11.1994	0.2	8885.61
K 766.491	5200.24	ppb	23.3286	0.4	165559
Mg 279.078	5584.04	ppb	7.6661	0.1	11165.0
Mn 257.610	577.156	ppb	1.2008	0.2	134137
Mo 202.032	102.993	ppb	0.4933	0.5	752.049
Na 330.237	5819.17	ppb	188.759	3.2	306.454
Ni 231.604	111.255	ppb	1.0123	0.9	281.303
Pb 220.353	58.7960	ppb	0.2754	0.5	127.997
Sb 206.834	54.1908	ppb	2.2139	4.1	50.6982
Se 196.026	115.316	ppb	6.6367	5.8	63.8870
Sn 189.925	205.211	ppb	2.8189	1.4	144.115
Sr 216.596	104.352	ppb	0.2555	0.2	1046.88
Ti 334.941	100.073	ppb	0.3250	0.3	25638.3
Tl 190.794	40.8686	ppb	0.7445	1.8	25.8349
V 292.401	105.677	ppb	0.2255	0.2	2787.04
Zn 206.200	118.081	ppb	0.8937	0.7	155.567

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

ics 680-273398/3-a (Samp) 4/18/2013, 9:39:27 AM Rack 4, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	199.969	200.332	202.043
Al 308.215	2093.62	2097.44	2104.99
As 188.980	233.601	236.495	243.638
B 249.678	443.893	445.430	449.803
Ba 389.178	195.350	196.687	196.117
Be 313.042	228.383	228.860	229.603
Ca 370.602	20187	20224	20324
Cd 226.502	222.657	223.520	224.042
Co 228.615	219.656	218.987	220.415
Cr 267.716	214.789	215.696	216.498
Cu 324.754	222.199	222.519	223.717
Fe 271.441	22054.8	22085.0	22140.5
K 766.491	21151.8	21169.4	21213.4
Mg 279.078	22255.2	22278.2	22347.9
Mn 257.610	2284.08	2289.56	2292.87
Mo 202.032	204.457	204.337	205.990
Na 330.237	20518.5	20068.6	20481.0
Ni 231.604	217.184	218.115	223.826
Pb 220.353	209.284	205.145	208.880
Sb 206.834	194.088	207.421	201.924
Se 196.026	223.040	221.035	224.350
Sn 189.925	198.285	206.007	205.779
Sr 216.596	220.654	221.520	221.850
Ti 334.941	197.594	198.111	198.790
Tl 190.794	40.0654	41.8483	37.0663
V 292.401	209.693	211.224	210.830
Zn 206.200	219.135	217.561	219.493

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	200.782	ppb	1.1077	0.6	15151.8
Al 308.215	2098.68	ppb	5.7869	0.3	4604.75
As 188.980	237.911	ppb	5.1664	2.2	135.126
B 249.678	446.375	ppb	3.0666	0.7	5331.36
Ba 389.178	196.051	ppb	0.6710	0.3	4310.92
Be 313.042	228.949	ppb	0.6151	0.3	398719
Ca 370.602	20245	ppb	70.89	0.4	54027
Cd 226.502	223.406	ppb	0.6993	0.3	7666.76
Co 228.615	219.686	ppb	0.7146	0.3	2184.50
Cr 267.716	215.661	ppb	0.8549	0.4	6668.04
Cu 324.754	222.812	ppb	0.8005	0.4	11804.2
Fe 271.441	22093.4	ppb	43.4479	0.2	36248.7
K 766.491	21178.2	ppb	31.7108	0.1	672804
Mg 279.078	22293.8	ppb	48.2904	0.2	44477.4
Mn 257.610	2288.84	ppb	4.4370	0.2	530686
Mo 202.032	204.928	ppb	0.9217	0.4	1474.56
Na 330.237	20356.0	ppb	249.648	1.2	934.892
Ni 231.604	219.708	ppb	3.5961	1.6	560.192
Pb 220.353	207.770	ppb	2.2818	1.1	382.024
Sb 206.834	201.144	ppb	6.7006	3.3	196.748
Se 196.026	222.808	ppb	1.6693	0.7	114.016
Sn 189.925	203.357	ppb	4.3942	2.2	142.776
Sr 216.596	221.341	ppb	0.6178	0.3	2171.42
Ti 334.941	198.165	ppb	0.5999	0.3	50727.6
Tl 190.794	39.6600	ppb	2.4166	6.1	21.5371
V 292.401	210.582	ppb	0.7949	0.4	5537.95
Zn 206.200	218.730	ppb	1.0277	0.5	284.737

E04172013.wvq. All Data Report 4/18/2013, 10:20:41 AM

660-53767-a-2-b (Samp) 4/18/2013, 9:45:06 AM Rack 4, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7649u	-1.0294u	-1.2887u
Al 308.215	-2.2548u	0.3071	1.9066
As 188.980	-3.9350u	-0.0113u	-2.1238u
B 249.678	13.1612	12.2345	11.4589
Ba 389.178	-1.2491	-2.6092	-2.4293
Be 313.042	-0.5692u	-0.5601u	-0.5731u
Ca 370.602	-2.167u	-4.015u	0.3045u
Cd 226.502	-0.1276u	-0.2457u	-0.0743u
Co 228.615	-0.6689u	-0.7276u	-1.5131u
Cr 267.716	1.9601	2.1330	1.8597
Cu 324.754	0.0034	-0.5327u	-0.0315u
Fe 271.441	16.3958	8.5336	14.5445
K 766.491	71647.0x	71538.3x	72658.5x
Mg 279.078	55509.6	55395.1	56017.4
Mn 257.610	-2.4761u	-2.5997u	-2.4907u
Mo 202.032	0.1995	0.3470	-0.2676u
Na 330.237	36560.8	36655.2	37439.3
Ni 231.604	0.8191	1.8875	1.8894
Pb 220.353	3.9570	5.2365	4.1957
Sb 206.834	1.3265	2.3743	1.5456
Se 196.026	5.4436	12.8434	0.1319
Sn 189.925	-11.0092u	-1.0251u	-0.9860u
Sr 216.596	-1.9521u	-1.9987u	-1.2896u
Ti 334.941	-1.3704u	-1.3047u	-1.3822u
Tl 190.794	-7.1518u	-4.5860u	-5.4622u
V 292.401	-1.2840u	-1.5128u	-0.8102u
Zn 206.200	-0.9449u	-0.7506u	0.3356

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0277b	ppb	0.2619	25.5	-52.9945
Al 308.215	-0.0137b	ppb	2.0992	15284.6	-24.1978
As 188.980	-2.0234b	ppb	1.9638	97.1	-10.8315
B 249.678	12.2849b	ppb	0.8522	6.9	335.052
Ba 389.178	-2.0959b	ppb	0.7389	35.3	110.597
Be 313.042	-0.5675b	ppb	0.0067	1.2	-384.536
Ca 370.602	-1.959b	ppb	2.167	110.6	10.83
Cd 226.502	-0.1492b	ppb	0.0877	58.8	38.7319
Co 228.615	-0.9698b	ppb	0.4714	48.6	-11.4525
Cr 267.716	1.9843b	ppb	0.1383	7.0	70.9378
Cu 324.754	-0.1869b	ppb	0.2999	160.4	201.136
Fe 271.441	13.1580b	ppb	4.1104	31.2	135.781
K 766.491	71947.9xb	ppb	617.746	0.9	2284569
Mg 279.078	55640.7b	ppb	331.238	0.6	111033
Mn 257.610	-2.5222b	ppb	0.0675	2.7	167.007
Mo 202.032	0.0930b	ppb	0.3209	345.0	22.1464
Na 330.237	36885.1b	ppb	482.248	1.3	1664.03
Ni 231.604	1.5320b	ppb	0.6174	40.3	-0.6229
Pb 220.353	4.4631b	ppb	0.6804	15.2	35.5265
Sb 206.834	1.7488b	ppb	0.5526	31.6	-1.2296
Se 196.026	6.1396b	ppb	6.3842	104.0	13.2301
Sn 189.925	-4.3401b	ppb	5.7756	133.1	-8.2567
Sr 216.596	-1.7468b	ppb	0.3966	22.7	31.9222
Ti 334.941	-1.3524b	ppb	0.0418	3.1	-30.0629
Tl 190.794	-5.7333b	ppb	1.3042	22.7	-17.9083
V 292.401	-1.2023b	ppb	0.3583	29.8	-15.3014
Zn 206.200	-0.4533b	ppb	0.6990	152.2	3.4011

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

640-43112-d-4-c (Samp) 4/18/2013, 9:50:44 AM Rack 4, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0024u	-1.0169u	-0.8866u
Al 308.215	276.923	297.235	287.768
As 188.980	-0.8785u	-6.1200u	-8.0220u
B 249.678	6.3040	7.0611	5.9407
Ba 389.178	6.7612	8.0369	7.7861
Be 313.042	-0.4926u	-0.4777u	-0.4750u
Ca 370.602	384.2	394.4	392.6
Cd 226.502	-0.3879u	-0.1154u	-0.3985u
Co 228.615	-1.0073u	-0.1989u	-0.3394u
Cr 267.716	-0.6128u	0.0315	-0.2578u
Cu 324.754	-0.1236u	0.6698	0.3059
Fe 271.441	37.9616	54.6028	55.5439
K 766.491	291.273	322.716	309.680
Mg 279.078	396.810	417.748	424.067
Mn 257.610	1.9483	2.6965	2.9521
Mo 202.032	-0.7571u	-0.4280u	-0.0005u
Na 330.237	3384.51	3354.45	3219.39
Ni 231.604	-0.3459u	1.1321	0.7304
Pb 220.353	5.6554	4.1482	1.6720
Sb 206.834	-5.5870u	-2.3232u	-6.2792u
Se 196.026	12.1655	-3.1257u	-3.9210u
Sn 189.925	-6.9979u	-0.2977u	-4.8779u
Sr 216.596	0.6814	2.5567	1.0509
Ti 334.941	5.5779	5.3186	5.0857
Tl 190.794	-1.2192u	-3.1351u	-0.4857u
V 292.401	-1.0236u	-0.5995u	-0.6030u
Zn 206.200	1.6523	0.7468	4.2805

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9686	ppb	0.0714	7.4	-47.8003
Al 308.215	287.309	ppb	10.1636	3.5	608.284
As 188.980	-5.0069	ppb	3.6996	73.9	-12.6444
B 249.678	6.4353	ppb	0.5716	8.9	267.196
Ba 389.178	7.5281	ppb	0.6758	9.0	183.789
Be 313.042	-0.4817	ppb	0.0095	2.0	-226.655
Ca 370.602	390.4	ppb	5.450	1.4	1084
Cd 226.502	-0.3006	ppb	0.1605	53.4	33.2015
Co 228.615	-0.5152	ppb	0.4319	83.8	-6.8326
Cr 267.716	-0.2797	ppb	0.3227	115.4	0.7818
Cu 324.754	0.2840	ppb	0.3972	139.8	225.610
Fe 271.441	49.3694	ppb	9.8907	20.0	194.981
K 766.491	307.890	ppb	15.7979	5.1	10244.2
Mg 279.078	412.875	ppb	14.2669	3.5	858.156
Mn 257.610	2.5323	ppb	0.5216	20.6	1016.60
Mo 202.032	-0.3952	ppb	0.3794	96.0	18.6786
Na 330.237	3319.45	ppb	87.9487	2.6	200.152
Ni 231.604	0.5055	ppb	0.7642	151.2	-3.2586
Pb 220.353	3.8252	ppb	2.0112	52.6	34.4358
Sb 206.834	-4.7298	ppb	2.1127	44.7	-7.6260
Se 196.026	1.7063	ppb	9.0667	531.4	11.1792
Sn 189.925	-4.0578	ppb	3.4246	84.4	-8.0609
Sr 216.596	1.4296	ppb	0.9934	69.5	62.4804
Ti 334.941	5.3274	ppb	0.2462	4.6	1449.56
Tl 190.794	-1.6133	ppb	1.3680	84.8	-13.9554
V 292.401	-0.7420	ppb	0.2439	32.9	-3.1585
Zn 206.200	2.2265	ppb	1.8355	82.4	6.8551

E04172013.vvq. All Data Report 4/18/2013, 10:20:41 AM

Cont Calib Verif (CCV) 4/18/2013, 9:56:23 AM Rack 4, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	504.606	502.987	511.430
Al 308.215	4908.35	4942.12	4954.56
As 188.980	542.767	544.330	544.966
B 249.678	575.936	578.553	581.684
Ba 389.178	4962.41	4966.19	4976.72
Be 313.042	564.585	566.681	568.344
Ca 370.602	5035	5057	5067
Cd 226.502	552.694	550.894	552.404
Co 228.615	547.931	548.053	546.014
Cr 267.716	5342.49	5379.32	5389.91
Cu 324.754	5425.14	5462.38	5436.98
Fe 271.441	5291.64	5291.77	5311.55
K 766.491	10306.1	10288.8	10330.6
Mg 279.078	5521.04	5511.65	5533.96
Mn 257.610	5542.11	5535.39	5559.70
Mo 202.032	504.421	505.434	508.483
Na 330.237	8454.37	8324.30	8311.77
Ni 231.604	2782.56	2781.56	2797.99
Pb 220.353	520.593	523.019	522.760
Sb 206.834	993.385	980.732	998.265
Se 196.026	5632.81	5597.55	5635.79
Sn 189.925	5182.84	5239.45	5229.72
Sr 216.596	2599.49	2598.22	2605.93
Ti 334.941	494.903	495.521	497.384
Tl 190.794	5149.67	5124.25	5143.32
V 292.401	5181.76	5169.56	5170.77
Zn 206.200	2919.48	2914.43	2914.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	506.341	ppb	4.4809	0.9	38108.5	101.26824
Al 308.215	4935.01	ppb	23.9108	0.5	10830.0	98.70012
As 188.980	544.021	ppb	1.1320	0.2	321.421	108.80424
B 249.678	578.724	ppb	2.8781	0.5	6881.59	23.14897Q
Ba 389.178	4968.44	ppb	7.4178	0.1	106638	99.36883
Be 313.042	566.537	ppb	1.8837	0.3	985574	113.30733Q
Ca 370.602	5053	ppb	16.32	0.3	13742	101.06205
Cd 226.502	551.998	ppb	0.9668	0.2	18771.0	110.39951Q
Co 228.615	547.333	ppb	1.1438	0.2	5457.76	109.46651
Cr 267.716	5370.57	ppb	24.8931	0.5	165625	107.41147
Cu 324.754	5441.50	ppb	19.0285	0.3	283052	108.83000
Fe 271.441	5298.32	ppb	11.4595	0.2	8900.92	105.96640
K 766.491	10308.5	ppb	20.9874	0.2	327729	103.08495
Mg 279.078	5522.22	ppb	11.2016	0.2	10966.3	110.44438Q
Mn 257.610	5545.73	ppb	12.5552	0.2	1284803	110.91466Q
Mo 202.032	506.113	ppb	2.1139	0.4	3603.99	101.22256
Na 330.237	8363.48	ppb	78.9628	0.9	397.141	111.51305Q
Ni 231.604	2787.37	ppb	9.2102	0.3	7154.71	111.49487Q
Pb 220.353	522.124	ppb	1.3326	0.3	917.752	104.42480
Sb 206.834	990.794	ppb	9.0491	0.9	1024.22	99.07939
Se 196.026	5622.05	ppb	21.2684	0.4	2613.62	112.44098Q
Sn 189.925	5217.34	ppb	30.2665	0.6	3788.76	104.34671
Sr 216.596	2601.22	ppb	4.1354	0.2	24938.4	104.04861
Ti 334.941	495.936	ppb	1.2915	0.3	126611	99.18721
Tl 190.794	5139.08	ppb	13.2277	0.3	4920.57	102.78159
V 292.401	5174.03	ppb	6.7191	0.1	136455	103.48058
Zn 206.200	2916.22	ppb	2.8264	0.1	3740.59	116.64885Q

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Cont Calib Blank (CCB) 4/18/2013, 10:02:02 AM Rack 4, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8306u	-0.9382u	-1.0493u
Al 308.215	-7.8408u	-6.7905u	2.5761
As 188.980	-0.1906u	-2.8043u	1.5190
B 249.678	4.2069	3.2647	2.5869
Ba 389.178	-1.2765u	-0.6901u	-0.7845u
Be 313.042	-0.4987u	-0.4735u	-0.4484u
Ca 370.602	-3.376u	-7.289u	-0.6108u
Cd 226.502	-0.2415u	-0.5082u	-0.1673u
Co 228.615	-0.7035u	-1.1559u	-1.0735u
Cr 267.716	-0.8682u	-0.4389u	0.3333
Cu 324.754	0.3597	0.4031	0.5993
Fe 271.441	-11.6320u	-9.7460u	-7.6791u
K 766.491	-4.4407u	-4.0708u	-4.4167u
Mg 279.078	4.2498	2.0962	5.9272
Mn 257.610	-0.8485u	-0.5081u	-0.2134u
Mo 202.032	-0.5323u	0.1579	-0.3107u
Na 330.237	357.956	126.102	38.0545
Ni 231.604	1.0122	0.4418	0.4541
Pb 220.353	2.1005	1.4500	0.9422
Sb 206.834	2.1158	6.0523	2.3771
Se 196.026	1.8736	5.3095	12.3628
Sn 189.925	-7.2684u	-7.2058u	-1.9920u
Sr 216.596	-2.3869u	-2.2202u	-2.0284u
Ti 334.941	-0.4235u	-0.4326u	-0.3240u
Tl 190.794	2.8041	-2.7173u	-3.7630u
V 292.401	-0.4992u	-0.0553u	0.3369
Zn 206.200	-0.4501u	0.4928	0.0232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.9394	ppb	0.1093	11.6	-45.4573	-0.93937
Al 308.215	-4.0184	ppb	5.7351	142.7	-33.0455	-4.01841
As 188.980	-0.4920	ppb	2.1774	442.6	-9.8990	-0.49197
B 249.678	3.3528	ppb	0.8136	24.3	231.602	3.35282
Ba 389.178	-0.9171	ppb	0.3148	34.3	1.5649	-0.91705
Be 313.042	-0.4735	ppb	0.0252	5.3	-212.170	-0.47350
Ca 370.602	-3.759	ppb	3.356	89.3	7.588	-3.75875
Cd 226.502	-0.3057	ppb	0.1793	58.6	32.9141	-0.30566
Co 228.615	-0.9776	ppb	0.2409	24.6	-11.5690	-0.97765
Cr 267.716	-0.3246	ppb	0.6088	187.6	-0.6670	-0.32460
Cu 324.754	0.4540	ppb	0.1277	28.1	234.426	0.45405
Fe 271.441	-9.6857	ppb	1.9771	20.4	98.4928	-9.68567
K 766.491	-4.3094	ppb	0.2070	4.8	332.896	-4.30940
Mg 279.078	4.0911	ppb	1.9204	46.9	42.7835	4.09106
Mn 257.610	-0.5233	ppb	0.3178	60.7	306.431	-0.52334
Mo 202.032	-0.2284	ppb	0.3524	154.3	19.8643	-0.22839
Na 330.237	174.037	ppb	165.250	95.0	63.0463	174.03749
Ni 231.604	0.6360	ppb	0.3259	51.2	-2.9246	0.63603
Pb 220.353	1.4976	ppb	0.5806	38.8	30.4735	1.49758
Sb 206.834	3.5151	ppb	2.2012	62.6	0.4880	3.51508
Se 196.026	6.5153	ppb	5.3476	82.1	13.4042	6.51529
Sn 189.925	-5.4887	ppb	3.0284	55.2	-9.1025	-5.48871
Sr 216.596	-2.2118	ppb	0.1794	8.1	27.5032	-2.21185
Ti 334.941	-0.3934	ppb	0.0603	15.3	-11.1246	-0.39335
Tl 190.794	-1.2254	ppb	3.5286	288.0	-13.5752	-1.22538
V 292.401	-0.0725	ppb	0.4183	576.8	14.4639	-0.07253
Zn 206.200	0.0220	ppb	0.4715	2144.3	4.0199	0.02199

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Blank (Blk)	4/24/2013, 5:56:59 PM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	-0.2238	0.2782	-0.0544
Al 308.215	-2.6286	6.2783	-3.6497
As 188.980	0.6748	3.3753	-4.0501
B 249.678	1.7936	0.5159	-2.3095
Ba 389.178	0.2136	0.3132	-0.5268
Be 313.042	-0.0148	0.0010	0.0138
Ca 370.602	1.898	1.608	-3.506
Cd 226.502	0.0804	-0.1174	0.0370
Co 228.615	0.0651	0.3406	-0.4056
Cr 267.716	0.1252	-0.1148	-0.0104
Cu 324.754	-0.0721	-0.3127	0.3847
Fe 271.441	3.3309	-4.4952	1.1644
K 766.491	1.2824	-0.5752	-0.7072
Mg 279.078	0.8805	1.1605	-2.0410
Mn 257.610	-0.0411	0.0121	0.0290
Mo 202.032	-0.0415	-0.0016	0.0431
Na 330.237	-96.1066	73.0434	23.0633
Ni 231.604	1.1041	-1.3475	0.2435
Pb 220.353	-0.8994	0.7657	0.1337
Sb 206.834	1.2035	-0.9272	-0.2763
Se 196.026	2.0436	-3.9417	1.8980
Sn 189.925	-0.0992	-0.7685	0.8677
Sr 216.596	-0.1417	-0.3060	0.4477
Ti 334.941	-0.0626	0.0098	0.0529
Tl 190.794	0.9194	-0.9893	0.0699
V 292.401	-0.0263	0.0134	0.0128
Zn 206.200	-0.2691	-1.7250	1.9942

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	16.712	57.6	-29.0181
Al 308.215	0.0000	ppb	10.578	32.3	-32.7511
As 188.980	0.0000	ppb	1.562	14.9	-10.4881
B 249.678	0.0000	ppb	22.503	4.7	479.836
Ba 389.178	0.0000	ppb	8.369	26.3	-31.7713
Be 313.042	0.0000	ppb	22.110	7.0	-317.631
Ca 370.602	0.0000	ppb	7.190	249.9	-2.877
Cd 226.502	0.0000	ppb	3.163	9.1	34.8509
Co 228.615	0.0000	ppb	3.258	44.1	-7.3854
Cr 267.716	0.0000	ppb	3.316	11.8	-27.9963
Cu 324.754	0.0000	ppb	16.508	11.4	144.637
Fe 271.441	0.0000	ppb	5.864	20.9	28.0721
K 766.491	0.0000	ppb	30.254	15.7	192.368
Mg 279.078	0.0000	ppb	3.214	9.7	33.1149
Mn 257.610	0.0000	ppb	7.558	15.1	50.0085
Mo 202.032	0.0000	ppb	0.264	1.3	20.7051
Na 330.237	0.0000	ppb	3.406	5.8	58.4328
Ni 231.604	0.0000	ppb	2.867	38.2	-7.5031
Pb 220.353	0.0000	ppb	1.086	3.3	33.3702
Sb 206.834	0.0000	ppb	0.986	157.6	-0.6258
Se 196.026	0.0000	ppb	1.477	15.7	9.4044
Sn 189.925	0.0000	ppb	0.523	6.4	-8.1239
Sr 216.596	0.0000	ppb	3.372	15.5	21.7858
Ti 334.941	0.0000	ppb	12.708	45.8	-27.7168
Tl 190.794	0.0000	ppb	0.788	7.6	-10.3800
V 292.401	0.0000	ppb	0.524	7.7	-6.7848
Zn 206.200	0.0000	ppb	1.753	64.9	2.7007

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HIGH STD (Std)	4/24/2013, 6:00:44 PM		Rack S, Tube 2
Label	Replicates Concentration		
Ag 328.068	1005.60	1001.00	993.398
Al 308.215	10005.7	9911.50	10082.8
As 188.980	1000.59	995.095	1004.32
B 249.678	994.606	1000.35	1005.04
Ba 389.178	10020.7	9972.45	10006.9
Be 313.042	1004.08	991.723	1004.19
Ca 370.602	10008	9954	10037
Cd 226.502	1000.88	997.599	1001.52
Co 228.615	1003.79	998.616	997.598
Cr 267.716	10015.1	9922.73	10062.2
Cu 324.754	10075.1	9846.17	10078.7
Fe 271.441	10021.5	9961.66	10016.9
K 766.491	20086.9	19912.9	20000.2
Mg 279.078	10006.1	9976.84	10017.0
Mn 257.610	10027.7	9966.19	10006.1
Mo 202.032	999.344	996.116	1004.54
Na 330.237	15357.5	14802.1	14840.3
Ni 231.604	5007.11	4984.51	5008.38
Pb 220.353	999.485	995.716	1004.80
Sb 206.834	1992.65	1997.34	2010.01
Se 196.026	9991.10	9957.97	10050.9
Sn 189.925	10073.2	9962.57	9964.24
Sr 216.596	5003.10	4980.11	5016.79
Ti 334.941	1002.71	994.052	1003.24
Tl 190.794	10011.6	9981.16	10007.2
V 292.401	10029.2	9975.01	9995.78
Zn 206.200	5009.61	4997.43	4992.96

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	403.255	0.6	65401.4
Al 308.215	10000.0	ppb	166.168	0.9	19337.7
As 188.980	1000.00	ppb	1.928	0.5	405.231
B 249.678	1000.00	ppb	56.022	0.5	11197.4
Ba 389.178	10000.0	ppb	453.056	0.2	182328
Be 313.042	1000.00	ppb	11065.236	0.7	1543279
Ca 370.602	10000	ppb	99.837	0.4	23649
Cd 226.502	1000.00	ppb	63.965	0.2	30448.5
Co 228.615	1000.00	ppb	28.654	0.3	8628.11
Cr 267.716	10000.0	ppb	1955.135	0.7	275562
Cu 324.754	10000.0	ppb	6209.060	1.3	466175
Fe 271.441	10000.0	ppb	48.306	0.3	14540.9
K 766.491	20000.0	ppb	2366.159	0.4	544073
Mg 279.078	10000.0	ppb	37.657	0.2	18157.8
Mn 257.610	10000.0	ppb	6448.022	0.3	2066284
Mo 202.032	1000.00	ppb	26.502	0.4	6256.13
Na 330.237	15000.0	ppb	12.159	1.9	646.362
Ni 231.604	5000.00	ppb	30.965	0.3	11518.8
Pb 220.353	1000.00	ppb	5.898	0.4	1325.91
Sb 206.834	2000.00	ppb	8.110	0.4	1806.18
Se 196.026	10000.0	ppb	20.377	0.5	4334.76
Sn 189.925	10000.0	ppb	40.292	0.6	6348.71
Sr 216.596	5000.00	ppb	157.698	0.4	42560.1
Ti 334.941	1000.00	ppb	1122.891	0.5	217697
Tl 190.794	10000.0	ppb	13.569	0.2	8233.26
V 292.401	10000.0	ppb	630.219	0.3	230463
Zn 206.200	5000.00	ppb	8.056	0.2	4679.22

Ag 328.068 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-29.0181	0.0000	0.0000	-	-
HIGH STD		65401.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 65.4 x + -29.0$

Al 308.215 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-32.7511	0.0000	0.0000	-	-
HIGH STD		19337.7	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 1.9 x + -32.8$

As 188.980 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.4881	0.0000	0.0000	-	-
HIGH STD		405.231	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.4 x + -10.5$

B 249.678 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		479.836	0.0000	0.0000	-	-
HIGH STD		11197.4	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 10.7 x + 479.8$

Ba 389.178 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-31.7713	0.0000	0.0000	-	-
HIGH STD		182328	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 18.2 x + -31.8$

Be 313.042 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-317.631	0.0000	0.0000	-	-
HIGH STD		1543279	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1543.6 x + -317.6$

Ca 370.602 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.877	0.0000	0.0000	-	-
HIGH STD		23649	10000	10000	0.0010	0.0

Curve Type: Linear Equation: $y = 2.4 x + -2.9$

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Cd 226.502 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		34.8509	0.0000	0.0000	-	-
HIGH STD		30448.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 30.4 x + 34.9$ **Co 228.615 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.3854	0.0000	0.0000	-	-
HIGH STD		8628.11	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 8.6 x + -7.4$ **Cr 267.716 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-27.9963	0.0000	0.0000	-	-
HIGH STD		275562	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 27.6 x + -28.0$ **Cu 324.754 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		144.637	0.0000	0.0000	-	-
HIGH STD		466175	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 46.6 x + 144.6$ **Fe 271.441 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		28.0721	0.0000	0.0000	-	-
HIGH STD		14540.9	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 1.5 x + 28.1$ **K 766.491 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		192.368	0.0000	0.0000	-	-
HIGH STD		544073	20000.0	20000.0	0.0020	0.0

Curve Type: Linear Equation: $y = 27.2 x + 192.4$ **Mg 279.078 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		33.1149	0.0000	0.0000	-	-
HIGH STD		18157.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.8 x + 33.1$

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Mn 257.610 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		50.0085	0.0000	0.0000	-	-
HIGH STD		2066284	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 206.6 x + 50.0$ **Mo 202.032 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.7051	0.0000	0.0000	-	-
HIGH STD		6256.13	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 6.2 x + 20.7$ **Na 330.237 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		58.4328	0.0000	0.0000	-	-
HIGH STD		646.362	15000.0	15000.0	-0.0029	0.0

Curve Type: Linear Equation: $y = 0.0 x + 58.4$ **Ni 231.604 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.5031	0.0000	0.0000	-	-
HIGH STD		11518.8	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: $y = 2.3 x + -7.5$ **Pb 220.353 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		33.3702	0.0000	0.0000	-	-
HIGH STD		1325.91	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.3 x + 33.4$ **Sb 206.834 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.6258	0.0000	0.0000	-	-
HIGH STD		1806.18	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.9 x + -0.6$ **Se 196.026 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.4044	0.0000	0.0000	-	-
HIGH STD		4334.76	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.4 x + 9.4$

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Sn 189.925 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.1239	0.0000	0.0000	-	-
HIGH STD		6348.71	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 0.6 x + -8.1$ **Sr 216.596 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.7858	0.0000	0.0000	-	-
HIGH STD		42560.1	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 8.5 x + 21.8$ **Ti 334.941 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-27.7168	0.0000	0.0000	-	-
HIGH STD		217697	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 217.7 x + -27.7$ **Tl 190.794 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.3800	0.0000	0.0000	-	-
HIGH STD		8233.26	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 0.8 x + -10.4$ **V 292.401 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.7848	0.0000	0.0000	-	-
HIGH STD		230463	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 23.0 x + -6.8$ **Zn 206.200 Calibration (ppb) 4/24/2013, 6:00:44 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.7007	0.0000	0.0000	-	-
HIGH STD		4679.22	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: $y = 0.9 x + 2.7$ **Lab Control Sample (LCS) 4/24/2013, 6:04:08 PM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates	Concentration
Ag 328.068	1005.40x	987.529 1009.30x
Al 308.215	9971.27	9905.17 10164.1
As 188.980	1010.07	1017.26 1007.23
B 249.678	1008.58	1003.20 1032.28
Ba 389.178	9892.94	9797.16 10069.9x

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Label	Replicates Concentration		
Be 313.042	990.097	980.702	1006.59x
Ca 370.602	9884	9807	10083
Cd 226.502	992.765	982.810	1007.56x
Co 228.615	989.590	980.164	1005.09
Cr 267.716	9959.69	9902.53	10140.0x
Cu 324.754	9926.82	9976.50	10134.7
Fe 271.441	9898.66	9789.54	10045.5
K 766.491	19758.3	19562.8	19999.8
Mg 279.078	9929.92	9831.46	10102.3
Mn 257.610	9908.57	9815.52	10074.3
Mo 202.032	992.834	988.024	1011.07x
Na 330.237	14484.6	14407.0	14748.7
Ni 231.604	4953.04	4922.16	5034.19
Pb 220.353	987.989	989.196	1008.68
Sb 206.834	1962.79	1942.69	2004.84
Se 196.026	9899.76	9832.24	10065.5x
Sn 189.925	10107.5x	9924.62	10079.8x
Sr 216.596	4965.09	4929.63	5045.80x
Ti 334.941	992.542	984.606	1011.41
Tl 190.794	9944.00	9816.77	10057.0x
V 292.401	9917.26	9805.29	10078.1x
Zn 206.200	4929.94	4891.15	5018.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1000.74xb	ppb	11.6093	1.2	65346.0	100.07430
Al 308.215	10013.5b	ppb	134.537	1.3	19348.6	100.13515
As 188.980	1011.52b	ppb	5.1694	0.5	409.908	101.15193
B 249.678	1014.68b	ppb	15.4752	1.5	11344.1	20.29369*
Ba 389.178	9919.99xb	ppb	138.348	1.4	180921	99.19991
Be 313.042	992.461xb	ppb	13.1028	1.3	1531220	99.24614
Ca 370.602	9925b	ppb	142.6	1.4	23278	99.24685
Cd 226.502	994.379xb	ppb	12.4548	1.3	30309.0	99.43787
Co 228.615	991.616b	ppb	12.5878	1.3	8568.73	99.16161
Cr 267.716	10000.7xb	ppb	123.955	1.2	275550	100.00746
Cu 324.754	10012.7b	ppb	108.539	1.1	466701	100.12662
Fe 271.441	9911.22b	ppb	128.424	1.3	14621.2	99.11221
K 766.491	19773.6b	ppb	218.879	1.1	537917	98.86816
Mg 279.078	9954.56b	ppb	137.085	1.4	17937.6	99.54559
Mn 257.610	9932.79b	ppb	131.063	1.3	2052474	99.32790
Mo 202.032	997.310xb	ppb	12.1584	1.2	6222.83	99.73101
Na 330.237	14546.8b	ppb	179.139	1.2	592.323	96.97843
Ni 231.604	4969.80b	ppb	57.8674	1.2	11449.4	99.39592
Pb 220.353	995.288b	ppb	11.6124	1.2	1319.64	99.52878
Sb 206.834	1970.10b	ppb	31.7141	1.6	1864.00	39.40205*
Se 196.026	9932.51xb	ppb	120.046	1.2	4307.77	99.32512
Sn 189.925	10037.3xb	ppb	98.5714	1.0	6372.43	100.37309
Sr 216.596	4980.17xb	ppb	59.5386	1.2	42300.5	99.60348
Ti 334.941	996.185b	ppb	13.7657	1.4	216902	99.61845
Tl 190.794	9939.26xb	ppb	120.184	1.2	8174.93	99.39256
V 292.401	9933.54xb	ppb	137.115	1.4	228268	99.33537
Zn 206.200	4946.42b	ppb	65.0804	1.3	4610.89	98.92831

Initial Calib Verif (ICV)

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Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1014.41x	1007.72x	996.539
Al 308.215	1009.90	1008.10	998.175

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Label	Replicates Concentration		
As 188.980	1016.80	1009.10	1015.14
B 249.678	1018.01	1018.25	1008.22
Ba 389.178	1065.18	1063.21	1054.39
Be 313.042	1074.79x	1070.08x	1059.89x
Ca 370.602	1055	1047	1043
Cd 226.502	1069.00x	1064.85x	1054.39x
Co 228.615	1031.73	1026.75	1006.91
Cr 267.716	1063.82	1058.94	1049.06
Cu 324.754	1061.93	1052.72	1040.58
Fe 271.441	995.571	991.649	989.013
K 766.491	10289.6	10264.1	10190.0
Mg 279.078	1038.48	1036.97	1026.22
Mn 257.610	1092.64	1088.70	1077.44
Mo 202.032	1031.54x	1028.62x	1020.73x
Na 330.237	10323.6	10498.2	10055.4
Ni 231.604	1070.15	1064.35	1055.38
Pb 220.353	1032.92	1027.66	1019.01
Sb 206.834	980.647	982.821	978.502
Se 196.026	1007.10	1006.95	993.245
Sn 189.925	5122.18	5091.74	5056.16
Sr 216.596	5216.81x	5194.58x	5142.67x
Ti 334.941	1014.33	1012.00	1003.23
Tl 190.794	1049.43	1043.61	1032.42
V 292.401	1028.79	1023.84	1016.11
Zn 206.200	1036.58	1033.37	1023.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1006.22xb	ppb	9.0272	0.9	65616.3	100.62213
Al 308.215	1005.39b	ppb	6.3154	0.6	1954.28	100.53930
As 188.980	1013.68b	ppb	4.0498	0.4	410.743	101.36817
B 249.678	1014.83b	ppb	5.7208	0.6	11355.2	101.48267
Ba 389.178	1060.93b	ppb	5.7484	0.5	19324.4	106.09251Q
Be 313.042	1068.25xb	ppb	7.6152	0.7	1648476	106.82549Q
Ca 370.602	1048b	ppb	5.746	0.5	2579	104.82362
Cd 226.502	1062.74xb	ppb	7.5302	0.7	32360.1	106.27445Q
Co 228.615	1021.80b	ppb	13.1270	1.3	8810.10	102.17967
Cr 267.716	1057.27b	ppb	7.5179	0.7	29102.0	105.72746Q
Cu 324.754	1051.75b	ppb	10.7082	1.0	49176.3	105.17479
Fe 271.441	992.078b	ppb	3.3000	0.3	1611.57	99.20778
K 766.491	10247.9b	ppb	51.7287	0.5	278874	102.47887
Mg 279.078	1033.89b	ppb	6.6864	0.6	1891.97	103.38937
Mn 257.610	1086.26b	ppb	7.8895	0.7	224505	108.62600Q
Mo 202.032	1026.96xb	ppb	5.5915	0.5	6422.57	102.69641
Na 330.237	10292.4b	ppb	223.055	2.2	449.755	102.92405
Ni 231.604	1063.29b	ppb	7.4433	0.7	2443.69	106.32926Q
Pb 220.353	1026.53b	ppb	7.0241	0.7	1358.62	102.65318
Sb 206.834	980.656b	ppb	2.1592	0.2	890.513	98.06565
Se 196.026	1002.43b	ppb	7.9557	0.8	443.232	100.24310
Sn 189.925	5090.03b	ppb	33.0416	0.6	3227.52	101.80053
Sr 216.596	5184.69xb	ppb	38.0448	0.7	44088.3	103.69375
Ti 334.941	1009.85b	ppb	5.8500	0.6	219845	100.98512
Tl 190.794	1041.82b	ppb	8.6494	0.8	847.602	104.18204
V 292.401	1022.92b	ppb	6.3904	0.6	23359.4	102.29152
Zn 206.200	1031.09b	ppb	6.9234	0.7	965.164	103.10867

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Initial Calib Verif (ICV) 4/24/2013, 6:19:43 PM Rack S, Tube 3

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	971.583	979.124	982.265
Al 308.215	980.677	961.234	964.688
As 188.980	973.216	977.588	969.026
B 249.678	962.704	968.788	973.065
Ba 389.178	1026.49	1028.91	1029.30
Be 313.042	1035.72x	1038.50x	1040.29x
Ca 370.602	1011	1017	1018
Cd 226.502	1033.42x	1038.52x	1038.47x
Co 228.615	997.912	999.548	1002.30
Cr 267.716	1020.44	1021.89	1020.62
Cu 324.754	1014.79	1018.11	1029.50
Fe 271.441	951.998	965.438	966.771
K 766.491	9914.21	9970.31	9994.98
Mg 279.078	999.496	1007.19	1008.89
Mn 257.610	1055.75	1058.25	1058.63
Mo 202.032	997.177	1001.95x	1000.13
Na 330.237	9994.78	9972.00	10190.2
Ni 231.604	1032.55	1041.38	1025.30
Pb 220.353	994.260	1003.16	1003.42
Sb 206.834	951.606	951.061	961.569
Se 196.026	971.376	970.551	964.230
Sn 189.925	4962.03	4916.83	4890.83
Sr 216.596	5021.58x	5040.85x	5032.88x
Ti 334.941	977.320	979.705	980.868
Tl 190.794	1002.56	1009.98	1007.23
V 292.401	991.121	994.684	996.997
Zn 206.200	1014.97	1002.09	1010.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	977.657b	ppb	5.4904	0.6	63751.2	97.76574
Al 308.215	968.866b	ppb	10.3733	1.1	1882.57	96.88663
As 188.980	973.276b	ppb	4.2812	0.4	393.950	97.32764
B 249.678	968.186b	ppb	5.2067	0.5	10855.3	96.81858
Ba 389.178	1028.23b	ppb	1.5229	0.1	18727.9	102.82323
Be 313.042	1038.17xb	ppb	2.3037	0.2	1602046	103.81731
Ca 370.602	1015b	ppb	3.513	0.3	2499	101.52790
Cd 226.502	1036.80xb	ppb	2.9316	0.3	31571.0	103.68022
Co 228.615	999.920b	ppb	2.2171	0.2	8621.33	99.99198
Cr 267.716	1020.98b	ppb	0.7938	0.1	28102.1	102.09830
Cu 324.754	1020.80b	ppb	7.7156	0.8	47733.7	102.08022
Fe 271.441	961.403b	ppb	8.1715	0.8	1563.02	96.14027
K 766.491	9959.83b	ppb	41.3923	0.4	271040	99.59829
Mg 279.078	1005.19b	ppb	5.0050	0.5	1840.34	100.51912
Mn 257.610	1057.54b	ppb	1.5637	0.1	218571	105.75409Q
Mo 202.032	999.751xb	ppb	2.4075	0.2	6252.93	99.97506
Na 330.237	10052.3b	ppb	119.932	1.2	440.636	100.52316
Ni 231.604	1033.08b	ppb	8.0525	0.8	2374.03	103.30764
Pb 220.353	1000.28b	ppb	5.2155	0.5	1324.73	100.02803
Sb 206.834	954.745b	ppb	5.9156	0.6	866.967	95.47450
Se 196.026	968.719b	ppb	3.9092	0.4	428.644	96.87191
Sn 189.925	4923.23b	ppb	36.0282	0.7	3121.49	98.46456
Sr 216.596	5031.77xb	ppb	9.6838	0.2	42788.4	100.63538
Ti 334.941	979.297b	ppb	1.8086	0.2	213193	97.92975
Tl 190.794	1006.59b	ppb	3.7504	0.4	818.581	100.65912
V 292.401	994.267b	ppb	2.9599	0.3	22704.4	99.42671
Zn 206.200	1009.12b	ppb	6.5169	0.6	944.662	100.91163

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Initial Calib Blank (ICB) **4/24/2013, 6:25:18 PM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0155	0.3560	0.1688
Al 308.215	-1.1746u	-0.5218u	-6.1528u
As 188.980	9.9059	3.5650	13.4875
B 249.678	-5.0225u	-6.8887u	-9.2664u
Ba 389.178	0.2726	0.4505	0.4505
Be 313.042	0.0481	0.0501	0.0661
Ca 370.602	3.494	0.3758	-1.221u
Cd 226.502	-0.2591u	-0.1996u	-0.2405u
Co 228.615	-0.3318u	-0.3277u	0.1398
Cr 267.716	0.3720	0.0654	0.0704
Cu 324.754	0.0556	0.0817	-0.1586u
Fe 271.441	-0.1187u	6.2767	3.4268
K 766.491	0.1069	0.1467	-0.6450u
Mg 279.078	-1.1368u	-3.6974u	0.2785
Mn 257.610	0.0025	0.0635	0.0478
Mo 202.032	0.1198	-0.6011u	-0.5528u
Na 330.237	-96.5937u	-93.0709u	40.5626
Ni 231.604	-0.4259u	1.2434	0.0489
Pb 220.353	-1.6809u	1.4385	1.0762
Sb 206.834	-2.0254u	0.1378	-1.2863u
Se 196.026	4.8903	-1.4807u	4.5059
Sn 189.925	1.2373	2.2768	7.0531
Sr 216.596	0.0471	0.3368	0.8496
Ti 334.941	0.0964	0.0051	0.0211
Tl 190.794	-0.3309u	-2.4619u	1.0526
V 292.401	0.4117	0.1176	0.0368
Zn 206.200	-0.1652u	1.0280	-0.6321u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1801	ppb	0.1705	94.7	-17.2306	0.18011
Al 308.215	-2.6164	ppb	3.0799	117.7	-37.8289	-2.61641
As 188.980	8.9861	ppb	5.0248	55.9	-6.7524	8.98614
B 249.678	-7.0592	ppb	2.1271	30.1	404.181	-7.05922
Ba 389.178	0.3912	ppb	0.1027	26.3	-24.6430	0.39120
Be 313.042	0.0548	ppb	0.0098	18.0	-233.039	0.05479
Ca 370.602	0.8827	ppb	2.398	271.7	-0.6585	0.88271
Cd 226.502	-0.2331	ppb	0.0305	13.1	27.7562	-0.23307
Co 228.615	-0.1732	ppb	0.2711	156.5	-8.8767	-0.17322
Cr 267.716	0.1693	ppb	0.1755	103.7	-23.3319	0.16926
Cu 324.754	-0.0071	ppb	0.1319	1854.2	144.298	-0.00711
Fe 271.441	3.1949	ppb	3.2040	100.3	32.7172	3.19494
K 766.491	-0.1305	ppb	0.4460	341.8	188.819	-0.13049
Mg 279.078	-1.5186	ppb	2.0152	132.7	30.3639	-1.51858
Mn 257.610	0.0379	ppb	0.0317	83.6	57.8346	0.03793
Mo 202.032	-0.3447	ppb	0.4030	116.9	18.5554	-0.34473
Na 330.237	-49.7007	ppb	78.1901	157.3	56.4800	-49.70069
Ni 231.604	0.2888	ppb	0.8601	297.8	-6.8373	0.28881
Pb 220.353	0.2780	ppb	1.7060	613.8	33.7297	0.27797
Sb 206.834	-1.0580	ppb	1.0995	103.9	-1.5768	-1.05799
Se 196.026	2.6385	ppb	3.5725	135.4	10.5456	2.63848
Sn 189.925	3.5224	ppb	3.1015	88.1	-5.8847	3.52242
Sr 216.596	0.4111	ppb	0.4064	98.8	25.2811	0.41114
Ti 334.941	0.0409	ppb	0.0488	119.4	-18.8261	0.04085
Tl 190.794	-0.5801	ppb	1.7705	305.2	-10.8580	-0.58006
V 292.401	0.1887	ppb	0.1973	104.6	-2.4059	0.18869
Zn 206.200	0.0769	ppb	0.8561	112.8	2.7725	0.07693

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CRI (CRI) **4/24/2013, 6:30:52 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.7627	10.8523	11.0838
Al 308.215	228.162	225.191	227.907
As 188.980	23.6366	25.9728	24.3684
B 249.678	83.0345	80.1709	82.1723
Ba 389.178	10.3250	10.5288	11.0110
Be 313.042	4.6048	4.5073	4.5513
Ca 370.602	542.2	539.8	540.9
Cd 226.502	5.5473	5.5409	5.7812
Co 228.615	10.4672	11.9865	11.7817
Cr 267.716	11.8428	11.5923	11.7155
Cu 324.754	22.2701	21.7377	21.7132
Fe 271.441	58.9514	51.4391	48.3406
K 766.491	1068.18	1046.14	1059.69
Mg 279.078	545.277	539.396	547.878
Mn 257.610	11.7054	11.4676	11.5526
Mo 202.032	9.7475	8.8526	9.3178
Na 330.237	897.059	873.121	1115.96
Ni 231.604	46.8839	44.6361	45.1345
Pb 220.353	9.8191	8.5137	7.9930
Sb 206.834	17.8079	18.1079	20.4028
Se 196.026	24.2398	16.1281	22.2265
Sn 189.925	55.6988	57.8297	55.3636
Sr 216.596	11.2955	9.9707	10.8597
Ti 334.941	10.6963	10.4425	10.5106
Tl 190.794	24.1280	24.2292	23.0374
V 292.401	11.0202	10.6177	11.0045
Zn 206.200	24.3815	22.9392	25.1371

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.8996	ppb	0.1657	1.5	683.824	108.99583
Al 308.215	227.087	ppb	1.6468	0.7	407.487	113.54328
As 188.980	24.6593	ppb	1.1950	4.8	-0.2382	123.29643R
B 249.678	81.7926	ppb	1.4691	1.8	1356.40	81.79259
Ba 389.178	10.6216	ppb	0.3523	3.3	163.153	106.21611
Be 313.042	4.5545	ppb	0.0488	1.1	6711.11	113.86149
Ca 370.602	541.0	ppb	1.195	0.2	1275	108.19663
Cd 226.502	5.6231	ppb	0.1369	2.4	206.026	112.46259
Co 228.615	11.4118	ppb	0.8245	7.2	91.1234	114.11797
Cr 267.716	11.7169	ppb	0.1253	1.1	294.875	117.16866
Cu 324.754	21.9070	ppb	0.3147	1.4	1165.73	109.53490
Fe 271.441	52.9104	ppb	5.4563	10.3	106.461	105.82070
K 766.491	1058.01	ppb	11.1167	1.1	28963.8	105.80062
Mg 279.078	544.183	ppb	4.3455	0.8	1019.22	108.83669
Mn 257.610	11.5752	ppb	0.1205	1.0	2444.67	115.75200
Mo 202.032	9.3059	ppb	0.4476	4.8	78.7119	93.05924
Na 330.237	962.045	ppb	133.827	13.9	95.9171	96.20454
Ni 231.604	45.5515	ppb	1.1805	2.6	97.5062	113.87878
Pb 220.353	8.7753	ppb	0.9407	10.7	44.6944	87.75266
Sb 206.834	18.7728	ppb	1.4195	7.6	16.3604	93.86420
Se 196.026	20.8648	ppb	4.2238	20.2	18.4319	104.32408
Sn 189.925	56.2974	ppb	1.3375	2.4	27.6638	112.59473
Sr 216.596	10.7086	ppb	0.6752	6.3	112.069	107.08616
Ti 334.941	10.5498	ppb	0.1314	1.2	2271.10	105.49770
Tl 190.794	23.7982	ppb	0.6608	2.8	9.2284	95.19285
V 292.401	10.8808	ppb	0.2280	2.1	241.979	108.80820
Zn 206.200	24.1526	ppb	1.1167	4.6	25.2701	120.76291R

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Interf Check A (ICSA) 4/24/2013, 6:36:28 PM Rack S, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2184u	0.5804	-0.1539u
Al 308.215	583721	585580	588092
As 188.980	0.2277	8.2792	11.1451
B 249.678	-36.8240u	-37.8941u	-37.4942u
Ba 389.178	-2.3567	-3.3308	-3.7966
Be 313.042	-0.1674u	-0.1622u	-0.1573u
Ca 370.602	507133	500960	501233
Cd 226.502	1.0386	0.7548	0.9571
Co 228.615	1.5840	0.2316u	0.2089u
Cr 267.716	0.6032	0.6405	0.9744
Cu 324.754	-0.5666	-0.8473	-0.4977
Fe 271.441	193760	193749	194493
K 766.491	0.5752	1.0821	0.3133
Mg 279.078	544758	544230	546063
Mn 257.610	0.2384	0.3061	0.3341
Mo 202.032	-0.0373u	2.9681	-0.4022u
Na 330.237	-150.059u	-146.628u	-416.043u
Ni 231.604	4.5389	3.8392	4.9813
Pb 220.353	-0.3707u	-0.8401u	-8.0626u
Sb 206.834	21.3225	-5.9484u	4.2377
Se 196.026	12.2787	-6.6711u	-5.3435u
Sn 189.925	-1.3042u	-7.5583u	-8.3299u
Sr 216.596	7.7094	8.1970	7.6539
Ti 334.941	-0.4268	-0.3883	-0.3667
Tl 190.794	-11.2319u	-7.9648u	-4.7561u
V 292.401	0.4953	1.2400	1.0881
Zn 206.200	9.7159	5.9084	6.1176

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2150	ppb	0.3671	170.8	-46.9102	0.21498
Al 308.215	585798	ppb	2193.92	0.4	1134686	-
As 188.980	6.5507	ppb	5.6602	86.4	-6.4890	6.55066
B 249.678	-37.4041	ppb	0.5407	1.4	-128.675	-37.40411
Ba 389.178	-3.1613	ppb	0.7348	23.2	1247.28	-3.16135
Be 313.042	-0.1623	ppb	0.0050	3.1	-403.151	-0.16230
Ca 370.602	503109	ppb	3488	0.7	1178214	-
Cd 226.502	0.9168	ppb	0.1461	15.9	675.026	0.91683
Co 228.615	0.6748	ppb	0.7874	116.7	-6.3565	0.67483
Cr 267.716	0.7394	ppb	0.2044	27.6	21.7544	0.73937
Cu 324.754	-0.6372	ppb	0.1852	29.1	168.555	-0.63718
Fe 271.441	194000	ppb	426.344	0.2	281578	-
K 766.491	0.6569	ppb	0.3909	59.5	210.231	0.65686
Mg 279.078	545017	ppb	943.367	0.2	987750	-
Mn 257.610	0.2928	ppb	0.0492	16.8	3424.10	0.29285
Mo 202.032	0.8429	ppb	1.8495	219.4	17.5862	0.84287
Na 330.237	-237.577	ppb	154.566	65.1	4.5917	-237.57666
Ni 231.604	4.4532	ppb	0.5759	12.9	6.4758	4.45317
Pb 220.353	-3.0911	ppb	4.3118	139.5	21.7730	-3.09113
Sb 206.834	6.5373	ppb	13.7801	210.8	9.2840	6.53727
Se 196.026	0.0880	ppb	10.5783	12017.4	10.4416	0.08802
Sn 189.925	-5.7308	ppb	3.8529	67.2	-11.6098	-5.73080
Sr 216.596	7.8535	ppb	0.2988	3.8	191.661	7.85346
Ti 334.941	-0.3939	ppb	0.0305	7.7	1834.55	-0.39395
Tl 190.794	-7.9843	ppb	3.2379	40.6	-25.2036	-7.98426
V 292.401	0.9412	ppb	0.3935	41.8	17.3087	0.94117
Zn 206.200	7.2473	ppb	2.1495	29.5	0.4759	7.24730

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Interf Check AB (ICSAB) 4/24/2013, 6:42:04 PM Rack S, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	226.994	227.778	227.710
Al 308.215	601337	600454	609778
As 188.980	120.684	104.918	115.516
B 249.678	-42.9145u	-44.2383u	-43.6175u
Ba 389.178	535.391	536.253	544.079
Be 313.042	526.115	525.835	533.342
Ca 370.602	517537	516467	523875
Cd 226.502	1045.41	1038.08	1057.53x
Co 228.615	522.907	517.474	527.467
Cr 267.716	535.733	534.793	543.173
Cu 324.754	585.292	587.639	594.737
Fe 271.441	198697	198926	201308
K 766.491	0.0780	-0.9564u	-0.9622u
Mg 279.078	560911	559263	565650
Mn 257.610	531.121	531.647	537.452
Mo 202.032	1115.13x	1115.27x	1130.60x
Na 330.237	-926.384u	-276.093u	-280.725u
Ni 231.604	1019.45	1020.56	1026.83
Pb 220.353	51.6661	46.9207	52.4579
Sb 206.834	630.054	633.965	633.976
Se 196.026	36.6180	47.0625	47.2080
Sn 189.925	1083.31	1069.45	1088.36
Sr 216.596	8.9703	9.0508	10.3702
Ti 334.941	-6.8285	-6.8577	-6.7013
Tl 190.794	93.4084	89.0248	91.3246
V 292.401	513.561	512.830	520.462
Zn 206.200	994.902	1002.10	1007.45

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	227.494b	ppb	0.4341	0.2	14828.0	113.74706
Al 308.215	603856b	ppb	5147.58	0.9	1169713	120.77124G
As 188.980	113.706b	ppb	8.0374	7.1	37.8957	113.70622
B 249.678	-43.5901b	ppb	0.6623	1.5	-201.039	-
Ba 389.178	538.574b	ppb	4.7867	0.9	11172.4	107.71486
Be 313.042	528.430b	ppb	4.2558	0.8	815380	105.68608
Ca 370.602	519293b	ppb	4004	0.8	1216165	103.85864
Cd 226.502	1047.00xb	ppb	9.8248	0.9	32508.2	104.70042
Co 228.615	522.616b	ppb	5.0029	1.0	4473.43	104.52317
Cr 267.716	537.900b	ppb	4.5913	0.9	14819.0	107.57992
Cu 324.754	589.223b	ppb	4.9179	0.8	27683.2	117.84456
Fe 271.441	199644b	ppb	1446.33	0.7	289841	99.82175
K 766.491	-0.6135b	ppb	0.5989	97.6	175.683	-
Mg 279.078	561941b	ppb	3316.21	0.6	1018414	112.38822
Mn 257.610	533.407b	ppb	3.5131	0.7	113679	106.68131
Mo 202.032	1120.33xb	ppb	8.8909	0.8	6997.01	112.03319
Na 330.237	-494.400b	ppb	374.116	75.7	-12.4090	-
Ni 231.604	1022.28b	ppb	3.9772	0.4	2352.94	102.22787
Pb 220.353	50.3482b	ppb	2.9946	5.9	89.4367	100.69650
Sb 206.834	632.665b	ppb	2.2615	0.4	570.024	105.44421
Se 196.026	43.6295b	ppb	6.0726	13.9	29.4192	87.25900
Sn 189.925	1080.37b	ppb	9.7924	0.9	678.813	108.03733
Sr 216.596	9.4638b	ppb	0.7860	8.3	162.961	-
Ti 334.941	-6.7958b	ppb	0.0832	1.2	500.520	-
Tl 190.794	91.2526b	ppb	2.1927	2.4	55.7553	91.25256
V 292.401	515.617b	ppb	4.2113	0.8	11668.5	103.12349
Zn 206.200	1001.48b	ppb	6.2943	0.6	938.412	100.14832

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LRA1 (Samp) 4/24/2013, 6:47:41 PM Rack S, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1276	0.1489	0.0745
Al 308.215	305.483	309.426	299.251
As 188.980	20959.3x	21320.0x	20984.7x
B 249.678	5643.03x	5704.77x	5726.10x
Ba 389.178	-1.1371u	-1.0122u	-0.9530u
Be 313.042	0.2565	0.2493	0.2471
Ca 370.602	1953	1988	1987
Cd 226.502	-0.6447u	-0.4862u	-0.7037u
Co 228.615	11749.8	11789.7	11705.1
Cr 267.716	8.9261	8.8460	9.0458
Cu 324.754	-5.7084u	-5.5781u	-5.8426u
Fe 271.441	-4.7212	6.3981	-2.5826
K 766.491	1.8577	1.0256	1.3161
Mg 279.078	195.974u	195.027u	191.531u
Mn 257.610	31598.5x	31888.1x	31784.9x
Mo 202.032	-0.0297u	0.0938	-0.5463u
Na 330.237	131851x	132474x	132311x
Ni 231.604	11619.7x	11692.1x	11684.0x
Pb 220.353	22212.3x	22428.9x	22389.1x
Sb 206.834	9.4320	8.0346	7.5438
Se 196.026	1.6641	7.2580	4.9996
Sn 189.925	2.1544	5.2878	7.5677
Sr 216.596	-4.6056u	-3.8030u	-4.4081u
Ti 334.941	35498.0	35851.4	35779.4
Tl 190.794	99.9151	99.3176	98.4276
V 292.401	-5.6262	-4.9327	-5.4741
Zn 206.200	82.5685	85.3395	82.5750

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1170b	ppb	0.0383	32.7	106.863
Al 308.215	304.720b	ppb	5.1302	1.7	557.414
As 188.980	21088.0xb	ppb	201.346	1.0	8756.19
B 249.678	5691.30xb	ppb	43.1425	0.8	61475.6
Ba 389.178	-1.0341b	ppb	0.0940	9.1	-49.6479
Be 313.042	0.2510b	ppb	0.0049	2.0	42.7141
Ca 370.602	1976b	ppb	20.07	1.0	10154
Cd 226.502	-0.6116b	ppb	0.1125	18.4	18.9909
Co 228.615	11748.2b	ppb	42.3428	0.4	102134
Cr 267.716	8.9393b	ppb	0.1005	1.1	337.503
Cu 324.754	-5.7097b	ppb	0.1323	2.3	-121.508
Fe 271.441	-0.3018b	ppb	5.9001	1955.1	1583.58
K 766.491	1.3998b	ppb	0.4223	30.2	230.433
Mg 279.078	194.177b	ppb	2.3403	1.2	-52.2989
Mn 257.610	31757.1xb	ppb	146.797	0.5	6561821
Mo 202.032	-0.1607b	ppb	0.3396	211.3	19.6358
Na 330.237	132212xb	ppb	322.936	0.2	5029.87
Ni 231.604	11665.3xb	ppb	39.6918	0.3	26884.0
Pb 220.353	22343.4xb	ppb	115.314	0.5	28900.4
Sb 206.834	8.3368b	ppb	0.9797	11.8	6.9421
Se 196.026	4.6406b	ppb	2.8142	60.6	18.2843
Sn 189.925	5.0033b	ppb	2.7178	54.3	-4.9117
Sr 216.596	-4.2722b	ppb	0.4182	9.8	-170.543
Ti 334.941	35709.6b	ppb	186.728	0.5	7774836
Tl 190.794	99.2201b	ppb	0.7486	0.8	38.1739
V 292.401	-5.3443b	ppb	0.3645	6.8	339.785
Zn 206.200	83.4944b	ppb	1.5980	323.8	80.7891

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

LRA2 (Samp) 4/24/2013, 6:53:18 PM Rack S, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8314u	1.0186u	0.6281u
Al 308.215	1041550x	1044764x	1047651x
As 188.980	40.2322	43.0302	34.4966
B 249.678	29.4650u	15.7325u	5.4149u
Ba 389.178	2.4847	3.7822	3.8567
Be 313.042	-0.0667	-0.0745	-0.0917
Ca 370.602	858349x	863133x	865703x
Cd 226.502	6.2797	6.4787	6.6284
Co 228.615	15.5027	13.8752	13.8874
Cr 267.716	9.9965	9.8412	10.1354
Cu 324.754	-3.2062	-4.7373	-2.6494
Fe 271.441	972744	975836	982690
K 766.491	476486x	477984x	480659x
Mg 279.078	924304x	931431x	933831x
Mn 257.610	25.0774	24.9037	25.2531
Mo 202.032	4.2970u	5.7357u	3.0591u
Na 330.237	-8972.13u	-8718.02u	-8726.61u
Ni 231.604	15.2644	17.2831	14.1621
Pb 220.353	-9.3379u	9.2478u	-3.4839u
Sb 206.834	-2.2147	6.1310	-4.2014
Se 196.026	-35.8006u	-36.1410u	-0.5227
Sn 189.925	-5.1161u	1.7278	1.6948
Sr 216.596	41.4465	40.6287	42.3118
Ti 334.941	14.7635	14.4445	14.3573
Tl 190.794	-24.8754u	-34.9279u	-42.5545u
V 292.401	7.6316	7.0990	7.3114
Zn 206.200	30400.2	30454.9	30507.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8260b	ppb	0.1953	23.6	-116.939
Al 308.215	1044655xb	ppb	3052.21	0.3	2023515
As 188.980	39.2530b	ppb	4.3502	11.1	12.2617
B 249.678	16.8708b	ppb	12.0654	71.5	-385.107
Ba 389.178	3.3745b	ppb	0.7715	22.9	3032.41
Be 313.042	-0.0776b	ppb	0.0128	16.5	-184.406
Ca 370.602	862395xb	ppb	3732	0.4	1980545
Cd 226.502	6.4623b	ppb	0.1749	2.7	3299.31
Co 228.615	14.4218b	ppb	0.9361	6.5	92.9937
Cr 267.716	9.9910b	ppb	0.1471	1.5	385.056
Cu 324.754	-3.5310b	ppb	1.0812	30.6	250.327
Fe 271.441	977090b	ppb	5089.95	0.5	1418066
K 766.491	478376xb	ppb	2113.90	0.4	13009160
Mg 279.078	929855xb	ppb	4955.26	0.5	1685272
Mn 257.610	25.0780b	ppb	0.1747	0.7	12467.7
Mo 202.032	4.3639b	ppb	1.3396	30.7	5.6969
Na 330.237	-8805.58b	ppb	144.292	1.6	-685.935
Ni 231.604	15.5699b	ppb	1.5828	10.2	46.5572
Pb 220.353	-1.1913b	ppb	9.5025	797.6	18.4141
Sb 206.834	-0.0950b	ppb	5.4826	5770.9	19.5179
Se 196.026	-24.1547b	ppb	20.4667	84.7	3.9883
Sn 189.925	-0.5645b	ppb	3.9418	698.3	-8.2318
Sr 216.596	41.4624b	ppb	0.8417	2.0	758.821
Ti 334.941	14.5218b	ppb	0.2138	1.5	6514.73
Tl 190.794	-34.1193b	ppb	8.8672	26.0	-80.0201
V 292.401	7.3474b	ppb	0.2681	3.6	166.266
Zn 206.200	30454.3b	ppb	53.8683	0.2	28486.7

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

RINSE (Samp) 4/24/2013, 6:58:54 PM Rack S, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2324	0.3628	-0.2931u
Al 308.215	18.7615	13.1741	19.2977
As 188.980	17.6007	15.7954	20.3309
B 249.678	1.3066	2.3393	-1.6371u
Ba 389.178	0.0433	-0.2210u	0.4338
Be 313.042	0.0523	0.0537	0.0575
Ca 370.602	18.76	16.63	23.46
Cd 226.502	0.0916	-0.1559u	0.1502
Co 228.615	-0.0214u	-0.1545u	0.0276
Cr 267.716	0.3826	0.3544	0.4732
Cu 324.754	-0.3143u	-0.3869u	-0.3361u
Fe 271.441	31.6480	27.4027	25.2753
K 766.491	8.8915	9.7041	9.7204
Mg 279.078	16.1539	10.6229	14.7216
Mn 257.610	0.1069	0.0830	0.0568
Mo 202.032	-0.9799u	-1.3063u	-1.0791u
Na 330.237	-71.3105u	-87.0899u	-3.1914u
Ni 231.604	0.2636	0.0077	1.8744
Pb 220.353	-0.9402u	-3.7112u	-0.1772u
Sb 206.834	-8.5725u	-5.5031u	-1.8321u
Se 196.026	-1.5213u	3.7646	0.0320
Sn 189.925	-0.9395u	-2.8451u	-0.5347u
Sr 216.596	0.3186	0.2042	0.1867
Ti 334.941	0.8291	0.8456	0.6742
Tl 190.794	-2.8238u	-6.2144u	-5.2319u
V 292.401	0.4201	-0.0720u	0.0907
Zn 206.200	-3.0201u	-2.1749u	0.5563

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1007	ppb	0.3472	344.7	-22.4235
Al 308.215	17.0778	ppb	3.3913	19.9	0.2940
As 188.980	17.9090	ppb	2.2834	12.8	-3.0427
B 249.678	0.6696	ppb	2.0633	308.2	486.985
Ba 389.178	0.0854	ppb	0.3295	386.0	-30.1590
Be 313.042	0.0545	ppb	0.0027	4.9	-233.404
Ca 370.602	19.62	ppb	3.493	17.8	42.07
Cd 226.502	0.0286	ppb	0.1624	567.2	35.8031
Co 228.615	-0.0494	ppb	0.0943	190.7	-7.7803
Cr 267.716	0.4034	ppb	0.0620	15.4	-16.8759
Cu 324.754	-0.3458	ppb	0.0372	10.8	128.508
Fe 271.441	28.1087	ppb	3.2444	11.5	68.9048
K 766.491	9.4387	ppb	0.4739	5.0	449.043
Mg 279.078	13.8328	ppb	2.8706	20.8	58.1864
Mn 257.610	0.0822	ppb	0.0251	30.5	67.1409
Mo 202.032	-1.1218	ppb	0.1674	14.9	13.7091
Na 330.237	-53.8639	ppb	44.5873	82.8	56.3084
Ni 231.604	0.7152	ppb	1.0120	141.5	-5.8538
Pb 220.353	-1.6096	ppb	1.8597	115.5	31.2900
Sb 206.834	-5.3026	ppb	3.3747	63.6	-5.4052
Se 196.026	0.7584	ppb	2.7168	358.2	9.7326
Sn 189.925	-1.4398	ppb	1.2337	85.7	-9.0391
Sr 216.596	0.2365	ppb	0.0717	30.3	23.8179
Ti 334.941	0.7830	ppb	0.0945	12.1	142.814
Tl 190.794	-4.7567	ppb	1.7445	36.7	-14.3020
V 292.401	0.1463	ppb	0.2507	171.4	-3.2683
Zn 206.200	-1.5463	ppb	1.8693	120.8	51.2547

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Verif (CCV) 4/24/2013, 7:04:28 PM Rack 1, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	459.221	520.646	486.285
Al 308.215	4758.77	5152.19	4933.59
As 188.980	485.575	527.351	507.398
B 249.678	473.072	515.260	493.487
Ba 389.178	4918.17	5312.47	5092.65
Be 313.042	495.506	537.278	513.453
Ca 370.602	4815	5176	4967
Cd 226.502	498.114	541.198	514.296
Co 228.615	497.557	539.634	516.052
Cr 267.716	4995.12	5420.68	5178.00
Cu 324.754	4830.08	5370.26	5052.05
Fe 271.441	4772.59	5165.44	4927.98
K 766.491	9681.87	10266.3	9932.40
Mg 279.078	4803.85	5190.59	4964.29
Mn 257.610	5001.59	5408.18	5167.39
Mo 202.032	474.711	515.900	495.068
Na 330.237	6855.77	7532.56	7121.85
Ni 231.604	2509.46	2721.14	2595.12
Pb 220.353	477.593	516.681	494.234
Sb 206.834	921.299	1002.55	955.296
Se 196.026	4776.42	5157.28	4947.41
Sn 189.925	4869.99	5363.42	4982.50
Sr 216.596	2430.46	2627.39	2509.01
Ti 334.941	477.193	517.700	494.504
Tl 190.794	4873.42	5234.93	5003.69
V 292.401	4758.90	5161.74	4922.87
Zn 206.200	2483.07	2680.09	2561.21

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.717	ppb	30.7851	6.3	31896.2	97.74346
Al 308.215	4948.18	ppb	197.112	4.0	9544.38	98.96368
As 188.980	506.774	ppb	20.8951	4.1	200.133	101.35487
B 249.678	493.940	ppb	21.0974	4.3	5768.31	19.75758Q
Ba 389.178	5107.76	ppb	197.581	3.9	93139.5	102.15527
Be 313.042	515.412	ppb	20.9549	4.1	795061	103.08244
Ca 370.602	4986	ppb	181.0	3.6	11698	99.71946
Cd 226.502	517.869	ppb	21.7631	4.2	15800.8	103.57384
Co 228.615	517.747	ppb	21.0896	4.1	4470.64	103.54948
Cr 267.716	5197.93	ppb	213.475	4.1	143206	103.95869
Cu 324.754	5084.13	ppb	271.513	5.3	237048	101.68255
Fe 271.441	4955.34	ppb	197.846	4.0	7327.58	99.10671
K 766.491	9960.19	ppb	293.200	2.9	271050	99.60187
Mg 279.078	4986.24	ppb	194.303	3.9	8998.50	99.72483
Mn 257.610	5192.39	ppb	204.443	3.9	1072957	103.84775
Mo 202.032	495.226	ppb	20.5951	4.2	3100.42	99.04526
Na 330.237	7170.06	ppb	340.959	4.8	320.749	95.60080
Ni 231.604	2608.57	ppb	106.478	4.1	6006.05	104.34289
Pb 220.353	496.169	ppb	19.6156	4.0	674.639	99.23383
Sb 206.834	959.714	ppb	40.8034	4.3	910.638	95.97136
Se 196.026	4960.37	ppb	190.763	3.8	2156.09	99.20737
Sn 189.925	5071.97	ppb	258.600	5.1	3216.05	101.43943
Sr 216.596	2522.29	ppb	99.1313	3.9	21433.5	100.89146
Ti 334.941	496.466	ppb	20.3248	4.1	108083	99.29311
Tl 190.794	5037.34	ppb	183.089	3.6	4137.83	100.74689
V 292.401	4947.84	ppb	202.577	4.1	113685	98.95672
Zn 206.200	2574.79	ppb	99.2119	3.8	2401.47	102.99162

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Blank (CCB) 4/24/2013, 7:10:02 PM Rack 1, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1209u	0.1571	-0.2598u
Al 308.215	0.2617	4.8813	-2.0417u
As 188.980	8.6936	6.6386	8.7700
B 249.678	-15.6562u	-15.7783u	-16.9460u
Ba 389.178	-0.1761u	1.1461	1.0117
Be 313.042	0.0082	-0.0086u	0.0024
Ca 370.602	4.794	1.399	4.926
Cd 226.502	-0.1891u	0.1434	-0.2473u
Co 228.615	0.3745	0.1412	0.3087
Cr 267.716	0.4883	0.1082	0.0463
Cu 324.754	-0.4579u	-0.1368u	-0.2179u
Fe 271.441	5.9389	-2.2837u	0.2512
K 766.491	-0.3992u	-0.9455u	-0.9288u
Mg 279.078	2.6075	-0.6842u	-0.3838u
Mn 257.610	0.0489	0.0287	-0.0505u
Mo 202.032	-0.5363u	-0.8014u	-1.0750u
Na 330.237	-53.5691u	-310.104u	-112.539u
Ni 231.604	0.0829	1.6551	0.6590
Pb 220.353	-1.9661u	2.6816	-1.0032u
Sb 206.834	2.6454	-0.9673u	-1.1446u
Se 196.026	2.8052	1.3405	-1.0523u
Sn 189.925	-0.1457u	-0.8477u	1.7495
Sr 216.596	-0.4521u	0.1144	-0.2384u
Ti 334.941	0.0628	0.0213	0.0559
Tl 190.794	-3.5033u	1.2531	2.3948
V 292.401	0.1245	0.0149	-0.0027
Zn 206.200	-0.1811u	-2.0261u	-0.6305u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0745	ppb	0.2123	284.8	-33.8982	-0.07455
Al 308.215	1.0338	ppb	3.5255	341.0	-30.7777	1.03375
As 188.980	8.0341	ppb	1.2091	15.0	-7.1481	8.03405
B 249.678	-16.1269	ppb	0.7120	4.4	306.998	-16.12687
Ba 389.178	0.6606	ppb	0.7276	110.2	-19.7285	0.66056
Be 313.042	0.0007	ppb	0.0085	1253.7	-316.490	0.00068
Ca 370.602	3.706	ppb	1.999	53.9	6.013	3.70635
Cd 226.502	-0.0977	ppb	0.2108	215.9	31.8756	-0.09766
Co 228.615	0.2748	ppb	0.1203	43.8	-4.9966	0.27480
Cr 267.716	0.2143	ppb	0.2393	111.7	-22.0935	0.21425
Cu 324.754	-0.2709	ppb	0.1670	61.7	131.996	-0.27087
Fe 271.441	1.3022	ppb	4.2109	323.4	29.9726	1.30215
K 766.491	-0.7578	ppb	0.3107	41.0	171.760	-0.75780
Mg 279.078	0.5132	ppb	1.8199	354.6	34.0462	0.51316
Mn 257.610	0.0090	ppb	0.0525	580.7	51.8772	0.00904
Mo 202.032	-0.8042	ppb	0.2693	33.5	15.6904	-0.80424
Na 330.237	-158.737	ppb	134.362	84.6	52.2138	-158.73741
Ni 231.604	0.7990	ppb	0.7954	99.5	-5.6611	0.79902
Pb 220.353	-0.0959	ppb	2.4531	2557.5	33.2469	-0.09592
Sb 206.834	0.1778	ppb	2.1388	1202.7	-0.4553	0.17783
Se 196.026	1.0311	ppb	1.9473	188.8	9.8504	1.03113
Sn 189.925	0.2521	ppb	1.3435	533.0	-7.9637	0.25205
Sr 216.596	-0.1920	ppb	0.2861	149.0	20.1602	-0.19202
Ti 334.941	0.0467	ppb	0.0222	47.6	-17.5401	0.04668
Tl 190.794	0.0482	ppb	3.1282	6491.3	-10.3399	0.04819
V 292.401	0.0456	ppb	0.0690	151.4	-5.6280	0.04556
Zn 206.200	-0.9459	ppb	0.9620	329.0	515.8159	-0.94591

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680-89447-f-5-b (Samp) 4/24/2013, 7:15:36 PM Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1396u	-0.2170u	-0.2894u
Al 308.215	4.4460	0.9336	5.8488
As 188.980	2.2896	7.6893	1.2906
B 249.678	352.461	350.212	364.975
Ba 389.178	0.4295	0.7184	0.0404
Be 313.042	0.0339u	0.0343u	0.0310u
Ca 370.602	33772	33421	34649
Cd 226.502	-0.0677u	0.1531	-0.0029u
Co 228.615	0.0403	-0.7156u	-1.3377u
Cr 267.716	0.3173	0.4507	0.6608
Cu 324.754	0.0664	0.0602	0.3121
Fe 271.441	-2.3881u	10.5052	4.0006
K 766.491	44772.7x	44447.3x	45905.0x
Mg 279.078	90487.6	89604.8	92973.9
Mn 257.610	1.8757	1.8518	2.0080
Mo 202.032	-0.6920u	-1.5774u	-1.2601u
Na 330.237	1021540x	1009949x	1040261x
Ni 231.604	3.9242	1.9527	3.2663
Pb 220.353	-0.0934u	-1.5229u	-3.3024u
Sb 206.834	4.7513	-1.6000u	-0.0003
Se 196.026	5.8220	4.3696	9.8795
Sn 189.925	2.0026	-1.3621u	2.0156
Sr 216.596	632.122	625.612	648.107
Ti 334.941	-1.1176	-1.1556	-1.1158
Tl 190.794	-5.0941u	-0.3039u	-8.2908u
V 292.401	1.4954	0.2830	0.4666
Zn 206.200	-0.4611u	-2.6798u	-1.4604u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2153b	ppb	0.0749	34.8	-69.2773
Al 308.215	3.7428b	ppb	2.5319	67.6	-25.5319
As 188.980	3.7565b	ppb	3.4423	91.6	-8.9263
B 249.678	355.883b	ppb	7.9540	2.2	4294.10
Ba 389.178	0.3961b	ppb	0.3402	85.9	162.404
Be 313.042	0.0330b	ppb	0.0018	5.5	-352.124
Ca 370.602	33947b	ppb	632.4	1.9	80289
Cd 226.502	0.0275b	ppb	0.1135	412.6	32.2925
Co 228.615	-0.6710b	ppb	0.6901	102.9	-13.1400
Cr 267.716	0.4763b	ppb	0.1732	36.4	-5.1019
Cu 324.754	0.1462b	ppb	0.1437	98.3	151.432
Fe 271.441	4.0393b	ppb	6.4467	159.6	33.9228
K 766.491	45041.7xb	ppb	765.165	1.7	1225056
Mg 279.078	91022.1b	ppb	1746.97	1.9	165008
Mn 257.610	1.9118b	ppb	0.0842	4.4	913.617
Mo 202.032	-1.1765b	ppb	0.4486	38.1	13.3681
Na 330.237	1023917xb	ppb	15295.0	1.5	40191.1
Ni 231.604	3.0477b	ppb	1.0038	32.9	-0.4771
Pb 220.353	-1.6396b	ppb	1.6077	98.1	31.2522
Sb 206.834	1.0503b	ppb	3.3034	314.5	0.3357
Se 196.026	6.6904b	ppb	2.8558	42.7	12.2991
Sn 189.925	0.8854b	ppb	1.9464	219.8	-7.2908
Sr 216.596	635.280b	ppb	11.5752	1.8	5429.23
Ti 334.941	-1.1297b	ppb	0.0225	2.0	-12.6601
Tl 190.794	-4.5630b	ppb	4.0198	88.1	-14.1465
V 292.401	0.7483b	ppb	0.6534	87.3	5.1055
Zn 206.200	-1.5338b	ppb	1.1112	72.4	5152651

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680-89447-f-5-c (Samp) 4/24/2013, 7:21:10 PM Rack 1, Tube 40
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0803u	-0.2151u	-0.2814u
Al 308.215	5.7910	8.5151	6.0635
As 188.980	4.6976	4.9010	4.9747
B 249.678	392.735	388.355	357.333
Ba 389.178	1.3127	0.6631	0.0529
Be 313.042	0.0337u	0.0274u	0.0319u
Ca 370.602	37192	36667	33818
Cd 226.502	-0.0163u	0.0288u	-0.0107u
Co 228.615	-0.3193u	-0.2819u	-0.5338u
Cr 267.716	0.1957	0.3338	0.3812
Cu 324.754	-0.1929u	0.0445	0.2596
Fe 271.441	3.1771	-1.3222u	7.7765
K 766.491	50620.6x	49593.8x	45969.1x
Mg 279.078	100231	98683.8	91010.1
Mn 257.610	1.8686	1.8265	1.5114
Mo 202.032	-1.6261u	-1.3934u	-1.0983u
Na 330.237	1131175x	1120123x	1018405x
Ni 231.604	2.6450	2.4834	3.0280
Pb 220.353	-0.6742u	-0.8520u	1.3621
Sb 206.834	-3.2263u	1.7217	-4.3436u
Se 196.026	-0.3533u	-1.3109u	6.3958
Sn 189.925	-2.1418u	-3.7695u	-2.4339u
Sr 216.596	694.890	688.240	633.163
Ti 334.941	-1.3184u	-1.3630u	-1.3093u
Tl 190.794	-7.5634u	-10.1635u	-5.4535u
V 292.401	0.5590	0.5819	0.6387
Zn 206.200	1.0563	1.1409	-0.7784u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1387b	ppb	0.1926	138.8	-65.8267
Al 308.215	6.7898b	ppb	1.5003	22.1	-19.6462
As 188.980	4.8578b	ppb	0.1435	3.0	-8.4685
B 249.678	379.474b	ppb	19.2998	5.1	4546.96
Ba 389.178	0.6763b	ppb	0.6300	93.2	179.074
Be 313.042	0.0310b	ppb	0.0032	10.4	-360.833
Ca 370.602	35892b	ppb	1816	5.1	84890
Cd 226.502	0.0006b	ppb	0.0246	4158.6	31.2374
Co 228.615	-0.3783b	ppb	0.1359	35.9	-10.6021
Cr 267.716	0.3036b	ppb	0.0964	31.7	-9.2336
Cu 324.754	0.0371b	ppb	0.2264	610.9	146.335
Fe 271.441	3.2105b	ppb	4.5494	141.7	32.7675
K 766.491	48727.8xb	ppb	2443.69	5.0	1325298
Mg 279.078	96641.7b	ppb	4938.12	5.1	175193
Mn 257.610	1.7355b	ppb	0.1952	11.2	906.150
Mo 202.032	-1.3726b	ppb	0.2645	19.3	12.1458
Na 330.237	1089901xb	ppb	62163.5	5.7	42777.4
Ni 231.604	2.7188b	ppb	0.2797	10.3	-1.2355
Pb 220.353	-0.0547b	ppb	1.2302	2249.3	33.3011
Sb 206.834	-1.9494b	ppb	3.2280	165.6	-2.3712
Se 196.026	1.5772b	ppb	4.2004	266.3	10.0875
Sn 189.925	-2.7818b	ppb	0.8678	31.2	-9.6046
Sr 216.596	672.098b	ppb	33.8821	5.0	5742.63
Ti 334.941	-1.3302b	ppb	0.0287	2.2	-40.3151
Tl 190.794	-7.7268b	ppb	2.3592	30.5	-16.7542
V 292.401	0.5932b	ppb	0.0410	6.9	1.2539
Zn 206.200	0.4729b	ppb	1.0845	329.3	3.1423

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680-89447-e-6-d (Samp) 4/24/2013, 7:26:44 PM Rack 1, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1378u	-0.0524u	0.2768u
Al 308.215	1.1296	7.2215	2.4910
As 188.980	-4.1179u	2.2442	-1.5850u
B 249.678	398.932	444.294	418.120
Ba 389.178	-0.6464	-0.4293	-2.1513
Be 313.042	0.0494u	0.0235u	0.0402u
Ca 370.602	37679	41913	39476
Cd 226.502	-0.0730u	-0.0919u	0.1816
Co 228.615	-0.3722u	-1.1579u	-0.4684u
Cr 267.716	0.2018	-0.2600	-0.7074u
Cu 324.754	-0.0587u	0.4465	0.2078
Fe 271.441	6.9035	7.5996	0.7152
K 766.491	52650.0x	57682.7x	54216.5x
Mg 279.078	105449	117060	109802
Mn 257.610	0.6801	1.0544	0.8600
Mo 202.032	-2.3712u	-1.4490u	-1.1575u
Na 330.237	1185423x	1300686x	1235013x
Ni 231.604	1.3353	1.4690	3.5296
Pb 220.353	3.6905	3.9825	0.9613
Sb 206.834	-5.1189u	3.1303	0.5094
Se 196.026	11.6816	-2.9203u	8.2705
Sn 189.925	0.3617	-3.7102u	-5.6831u
Sr 216.596	709.381	789.507	741.716
Ti 334.941	-1.4840u	-1.5221u	-1.5998u
Tl 190.794	-5.6863u	-5.8751u	-8.4915u
V 292.401	0.3176	0.5918	1.0525
Zn 206.200	-1.6313u	-0.0563u	-0.5251u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1208b	ppb	0.1653	136.9	-51.9406
Al 308.215	3.6140b	ppb	3.1975	88.5	-25.7966
As 188.980	-1.1529b	ppb	3.2030	277.8	-10.9672
B 249.678	420.449b	ppb	22.7705	5.4	4986.11
Ba 389.178	-1.0757b	ppb	0.9378	87.2	176.144
Be 313.042	0.0377b	ppb	0.0132	34.9	-363.354
Ca 370.602	39689b	ppb	2125	5.4	93870
Cd 226.502	0.0056b	ppb	0.1527	2732.4	30.9183
Co 228.615	-0.6662b	ppb	0.4286	64.3	-13.0868
Cr 267.716	-0.2552b	ppb	0.4546	178.1	-23.2042
Cu 324.754	0.1985b	ppb	0.2527	127.3	153.864
Fe 271.441	5.0728b	ppb	3.7898	74.7	35.4348
K 766.491	54849.7xb	ppb	2575.39	4.7	1491777
Mg 279.078	110771b	ppb	5865.43	5.3	200801
Mn 257.610	0.8649b	ppb	0.1872	21.6	799.007
Mo 202.032	-1.6592b	ppb	0.6336	38.2	10.3582
Na 330.237	1240374xb	ppb	57818.0	4.7	48675.2
Ni 231.604	2.1113b	ppb	1.2301	58.3	-2.6358
Pb 220.353	2.8781b	ppb	1.6664	57.9	37.0918
Sb 206.834	-0.4931b	ppb	4.2150	854.8	-1.0587
Se 196.026	5.6772b	ppb	7.6385	134.5	11.8608
Sn 189.925	-3.0105b	ppb	3.0825	102.4	-9.7109
Sr 216.596	746.868b	ppb	40.3105	5.4	6379.07
Ti 334.941	-1.5353b	ppb	0.0590	3.8	-43.9651
Tl 190.794	-6.6843b	ppb	1.5680	23.5	-15.8946
V 292.401	0.6540b	ppb	0.3714	56.8	1.8760
Zn 206.200	-0.7376b	ppb	0.8987	109.6	-2.0107

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89447-e-6-e (Samp) 4/24/2013, 7:32:19 PM Rack 1, Tube 42
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2010u	-0.0605u	-0.1268u
Al 308.215	8.3430	9.1966	5.1093
As 188.980	7.3631	6.2914	3.6270
B 249.678	408.064	402.213	394.611
Ba 389.178	-0.5862	-0.4752	-0.3016
Be 313.042	0.0358u	0.0327u	0.0388u
Ca 370.602	38705	38143	37247
Cd 226.502	0.2939	-0.0104u	0.0423u
Co 228.615	0.1837	-0.5289u	-0.3416u
Cr 267.716	0.0823	-0.4133	0.2806
Cu 324.754	0.0175	0.3440	0.3754
Fe 271.441	-3.4380u	3.4350	-0.5275u
K 766.491	53130.8x	52067.8x	50684.5x
Mg 279.078	107668	106028	103333
Mn 257.610	0.9115	0.8599	0.8832
Mo 202.032	-2.5063u	-1.5400u	-1.4688u
Na 330.237	1221068x	1206586x	1168170x
Ni 231.604	2.5770	2.1999	1.7291
Pb 220.353	1.6760	3.6743	4.2338
Sb 206.834	-6.3360u	-1.4937u	-0.4918u
Se 196.026	9.3441	4.2638	-2.9369u
Sn 189.925	1.0244	1.6311	-4.5086u
Sr 216.596	725.713	715.787	698.872
Ti 334.941	-1.5014u	-1.5062u	-1.5526u
Tl 190.794	-10.9620u	-6.0305u	-4.0019u
V 292.401	0.7788	0.3831	0.7618
Zn 206.200	-1.0676u	0.8923	-0.8700u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1294b	ppb	0.0703	54.3	-66.9858
Al 308.215	7.5496b	ppb	2.1561	28.6	-18.1851
As 188.980	5.7605b	ppb	1.9238	33.4	-8.0931
B 249.678	401.630b	ppb	6.7454	1.7	4784.41
Ba 389.178	-0.4543b	ppb	0.1435	31.6	176.981
Be 313.042	0.0357b	ppb	0.0030	8.5	-362.927
Ca 370.602	38031b	ppb	735.6	1.9	89949
Cd 226.502	0.1086b	ppb	0.1626	149.7	34.1638
Co 228.615	-0.2289b	ppb	0.3694	161.4	-9.3079
Cr 267.716	-0.0168b	ppb	0.3574	2125.9	-17.0244
Cu 324.754	0.2456b	ppb	0.1982	80.7	156.050
Fe 271.441	-0.1768b	ppb	3.4499	1950.9	27.8268
K 766.491	51961.0xb	ppb	1226.64	2.4	1413222
Mg 279.078	105676b	ppb	2188.75	2.1	191568
Mn 257.610	0.8849b	ppb	0.0259	2.9	776.772
Mo 202.032	-1.8384b	ppb	0.5795	31.5	9.2411
Na 330.237	1198608xb	ppb	27336.4	2.3	47038.2
Ni 231.604	2.1687b	ppb	0.4248	19.6	-2.5036
Pb 220.353	3.1947b	ppb	1.3447	42.1	37.5013
Sb 206.834	-2.7738b	ppb	3.1254	112.7	-3.1164
Se 196.026	3.5570b	ppb	6.1709	173.5	10.9437
Sn 189.925	-0.6177b	ppb	3.3833	547.7	-8.2007
Sr 216.596	713.457b	ppb	13.5714	1.9	6094.69
Ti 334.941	-1.5201b	ppb	0.0283	1.9	-56.2249
Tl 190.794	-6.9981b	ppb	3.5795	51.1	-16.1529
V 292.401	0.6412b	ppb	0.2237	34.9	1.8319
Zn 206.200	-0.3484b	ppb	1.0790	309.7	-2.3748

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640-43209-a-12-a (Samp) 4/24/2013, 7:37:54 PM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3704u	-0.1340u	-0.4395u
Al 308.215	12.2974	13.5633	15.1435
As 188.980	3.5410	0.3764	7.4922
B 249.678	73.6232	69.5545	76.5555
Ba 389.178	58.3530	57.0459	59.4432
Be 313.042	-0.0630u	-0.0470u	-0.0424u
Ca 370.602	210100	202814	213782
Cd 226.502	-0.1835u	-0.0359u	-0.4000u
Co 228.615	0.3377	0.4715	0.4731
Cr 267.716	0.7537	0.2436	0.3156
Cu 324.754	1.0964	1.3264	0.8342
Fe 271.441	89.3542	83.1747	83.3340
K 766.491	22812.3	22161.4	23123.7
Mg 279.078	21297.2	20617.7	21661.2
Mn 257.610	35.2682	34.3151	36.1080
Mo 202.032	3.1553	2.6588	2.6079
Na 330.237	46723.8	44749.7	47039.8
Ni 231.604	4.7305	3.4663	2.2704
Pb 220.353	-0.7950u	-0.3381u	-4.5179u
Sb 206.834	2.2216	-0.0235u	-4.7404u
Se 196.026	1.4243	-3.2132u	3.1317
Sn 189.925	0.5960	-1.2085u	2.1912
Sr 216.596	1820.42	1765.82	1853.73
Ti 334.941	0.1216	0.0941	0.1158
Tl 190.794	-4.7984u	-6.1772u	-4.4587u
V 292.401	19.3449	18.9880	20.0568
Zn 206.200	0.7224	0.4637	-2.2273u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3147	ppb	0.1603	50.9	-121.082
Al 308.215	13.6681	ppb	1.4260	10.4	-6.2507
As 188.980	3.8032	ppb	3.5651	93.7	-8.9071
B 249.678	73.2444	ppb	3.5159	4.8	1264.79
Ba 389.178	58.2807	ppb	1.2003	2.1	1074.70
Be 313.042	-0.0508	ppb	0.0108	21.3	-343.094
Ca 370.602	208899	ppb	5582	2.7	494084
Cd 226.502	-0.2064	ppb	0.1831	88.7	28.8430
Co 228.615	0.4274	ppb	0.0777	18.2	-3.7595
Cr 267.716	0.4377	ppb	0.2761	63.1	-15.5036
Cu 324.754	1.0857	ppb	0.2463	22.7	195.153
Fe 271.441	85.2876	ppb	3.5227	4.1	152.012
K 766.491	22699.2	ppb	491.015	2.2	617474
Mg 279.078	21192.0	ppb	529.644	2.5	38442.4
Mn 257.610	35.2304	ppb	0.8971	2.5	7441.99
Mo 202.032	2.8073	ppb	0.3024	10.8	38.1750
Na 330.237	46171.1	ppb	1241.09	2.7	1868.09
Ni 231.604	3.4891	ppb	1.2302	35.3	0.5417
Pb 220.353	-1.8837	ppb	2.2927	121.7	30.9379
Sb 206.834	-0.8474	ppb	3.5534	419.3	-1.4261
Se 196.026	0.4476	ppb	3.2833	733.6	9.6061
Sn 189.925	0.5262	ppb	1.7009	323.2	-7.7104
Sr 216.596	1813.32	ppb	44.3854	2.4	15465.7
Ti 334.941	0.1105	ppb	0.0145	13.1	67.9979
Tl 190.794	-5.1448	ppb	0.9101	17.7	-14.6607
V 292.401	19.4632	ppb	0.5441	2.8	441.187
Zn 206.200	-0.3471	ppb	1.6335	470.7	-2.3758

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640-43209-a-12-aSD^5 (Samp) 4/24/2013, 7:43:29 PM Rack 1, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1340u	-0.1695u	-0.0734u
Al 308.215	2.9781	5.7998	1.2110
As 188.980	7.0324	-1.3049u	2.5055
B 249.678	-8.8649u	-9.5312u	-9.3908u
Ba 389.178	11.1899	9.3683	10.3759
Be 313.042	-0.0222u	-0.0135u	-0.0129u
Ca 370.602	42750	42922	42813
Cd 226.502	-0.2860u	-0.2615u	-0.1863u
Co 228.615	0.0214	-0.5082u	-0.2581u
Cr 267.716	0.0434	0.4407	0.5819
Cu 324.754	0.1484	-0.7851u	0.0686
Fe 271.441	20.8700	19.3302	19.2482
K 766.491	4123.14	4131.73	4133.90
Mg 279.078	4302.27	4320.04	4329.14
Mn 257.610	7.3471	7.3458	7.3508
Mo 202.032	0.0706	-0.3671u	-0.5450u
Na 330.237	9089.50	8778.40	8831.06
Ni 231.604	-0.2127u	0.8654	-0.4216u
Pb 220.353	-1.3968u	-3.3901u	-5.7305u
Sb 206.834	-0.8698u	1.6579	-1.2843u
Se 196.026	-4.2216u	-1.9008u	3.1132
Sn 189.925	-4.2372u	-0.8666u	4.1229
Sr 216.596	375.900	378.184	376.343
Ti 334.941	-0.0111	-0.0212	0.0193
Tl 190.794	-5.3101u	-3.4683u	0.4789
V 292.401	3.9999	3.5064	3.8525
Zn 206.200	-1.8501u	0.3214	0.3810

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0363	ppb	0.1551	427.4	-46.2591
Al 308.215	3.3296	ppb	2.3145	69.5	-26.3191
As 188.980	2.7443	ppb	4.1738	152.1	-9.3472
B 249.678	-9.2623	ppb	0.3512	3.8	380.560
Ba 389.178	10.3114	ppb	0.9125	8.8	165.160
Be 313.042	-0.0162	ppb	0.0052	32.1	-331.631
Ca 370.602	42828	ppb	87.42	0.2	101295
Cd 226.502	-0.2446	ppb	0.0519	21.2	27.4617
Co 228.615	-0.2483	ppb	0.2649	106.7	-9.5324
Cr 267.716	0.3554	ppb	0.2792	78.6	-18.1183
Cu 324.754	-0.1894	ppb	0.5174	273.2	135.783
Fe 271.441	19.8161	ppb	0.9136	4.6	56.8518
K 766.491	4129.59	ppb	5.6901	0.1	112493
Mg 279.078	4317.15	ppb	13.6665	0.3	7857.69
Mn 257.610	7.3479	ppb	0.0026	0.0	1591.19
Mo 202.032	-0.2805	ppb	0.3168	112.9	18.9494
Na 330.237	8899.65	ppb	166.508	1.9	407.248
Ni 231.604	0.0770	ppb	0.6907	896.6	-7.3252
Pb 220.353	-3.5058	ppb	2.1692	61.9	28.8400
Sb 206.834	-0.1654	ppb	1.5926	962.9	-0.7746
Se 196.026	-1.0031	ppb	3.7489	373.7	8.9722
Sn 189.925	-0.3270	ppb	4.2061	1286.4	-8.3157
Sr 216.596	376.809	ppb	1.2110	0.3	3231.01
Ti 334.941	-0.0043	ppb	0.0211	485.1	-14.0273
Tl 190.794	-2.7665	ppb	2.9576	106.9	-12.6686
V 292.401	3.7862	ppb	0.2533	6.7	80.4453
Zn 206.200	-0.3825	ppb	1.2713	333.3	515.428

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640-43209-a-12-aPDS (Samp) 4/24/2013, 7:49:04 PM Rack 1, Tube 45**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	58.1413	51.4856	51.0644
Al 308.215	2397.57	2174.86	2179.82
As 188.980	2443.45	2231.04	2224.95
B 249.678	1241.90	1117.80	1124.68
Ba 389.178	2409.13	2168.60	2171.21
Be 313.042	58.6103	52.6099	52.7813
Ca 370.602	238427	213084	215205
Cd 226.502	59.1463	52.7926	53.2045
Co 228.615	615.797	536.125	539.512
Cr 267.716	233.494	210.965	211.687
Cu 324.754	311.824	271.306	272.666
Fe 271.441	1204.56	1080.14	1087.30
K 766.491	31358.5	28739.9	28753.9
Mg 279.078	29507.6	26499.8	26618.0
Mn 257.610	643.635	577.911	579.352
Mo 202.032	580.007	522.095	525.060
Na 330.237	58187.3	52446.6	52551.2
Ni 231.604	577.879	525.178	527.097
Pb 220.353	558.682	501.156	504.913
Sb 206.834	545.746	501.280	510.252
Se 196.026	2356.56	2097.40	2098.54
Sn 189.925	1142.22	1036.95	1042.68
Sr 216.596	2582.68	2333.10	2341.56
Ti 334.941	1129.89	1018.29	1019.38
Tl 190.794	2278.09	2069.03	2075.47
V 292.401	588.156	527.867	527.761
Zn 206.200	574.945	508.518	519.819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5638	ppb	3.9698	7.4	3384.26
Al 308.215	2250.75	ppb	127.178	5.7	4348.03
As 188.980	2299.81	ppb	124.429	5.4	945.499
B 249.678	1161.46	ppb	69.7478	6.0	12926.7
Ba 389.178	2249.65	ppb	138.122	6.1	41053.7
Be 313.042	54.6671	ppb	3.4159	6.2	84036.7
Ca 370.602	222239	ppb	14059	6.3	525730
Cd 226.502	55.0478	ppb	3.5554	6.5	1712.78
Co 228.615	563.811	ppb	45.0524	8.0	4868.30
Cr 267.716	218.715	ppb	12.8037	5.9	5999.61
Cu 324.754	285.266	ppb	23.0106	8.1	13448.0
Fe 271.441	1124.00	ppb	69.8562	6.2	1737.57
K 766.491	29617.4	ppb	1507.80	5.1	805609
Mg 279.078	27541.8	ppb	1703.45	6.2	49943.0
Mn 257.610	600.299	ppb	37.5365	6.3	124235
Mo 202.032	542.388	ppb	32.6133	6.0	3401.79
Na 330.237	54395.1	ppb	3284.64	6.0	2180.88
Ni 231.604	543.385	ppb	29.8886	5.5	1245.17
Pb 220.353	521.584	ppb	32.1830	6.2	706.455
Sb 206.834	519.092	ppb	23.5143	4.5	464.199
Se 196.026	2184.17	ppb	149.300	6.8	954.270
Sn 189.925	1073.95	ppb	59.1888	5.5	674.654
Sr 216.596	2419.11	ppb	141.718	5.9	20598.4
Ti 334.941	1055.85	ppb	64.1154	6.1	229952
Tl 190.794	2140.86	ppb	118.884	5.6	1753.97
V 292.401	547.928	ppb	34.8387	6.4	12534.6
Zn 206.200	534.427	ppb	35.5416	6.7	502.150

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640-43209-a-12-b ms (Samp) 4/24/2013, 7:54:40 PM Rack 1, Tube 46**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	36.4037	36.8750	36.3729
Al 308.215	5536.61	5568.44	5562.06
As 188.980	110.184	114.868	123.494
B 249.678	296.265	297.323	297.142
Ba 389.178	167.014	167.511	167.278
Be 313.042	53.9107	53.9780	53.9142
Ca 370.602	222437	221862	223113
Cd 226.502	54.1402	53.7712	53.8913
Co 228.615	55.6478	53.9966	53.7595
Cr 267.716	106.492	106.035	106.542
Cu 324.754	111.169	109.895	111.405
Fe 271.441	5110.63	5109.85	5090.75
K 766.491	29729.0	29732.0	29662.9
Mg 279.078	27390.4	27420.0	27386.9
Mn 257.610	584.380	584.840	583.235
Mo 202.032	104.900	105.884	105.507
Na 330.237	54557.2	54776.8	54177.3
Ni 231.604	107.750	106.892	108.797
Pb 220.353	49.7040	49.4034	48.8512
Sb 206.834	49.3179	51.1860	53.7886
Se 196.026	99.3693	110.052	107.998
Sn 189.925	199.148	203.464	198.945
Sr 216.596	1983.07	1988.25	1989.30
Ti 334.941	101.844	101.849	101.895
Tl 190.794	35.0768	34.0610	38.6626
V 292.401	123.917	123.814	124.207
Zn 206.200	103.257	101.141	104.320

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	36.5505	ppb	0.2814	0.8	2285.36
Al 308.215	5555.70	ppb	16.8406	0.3	10732.9
As 188.980	116.182	ppb	6.7515	5.8	37.8256
B 249.678	296.910	ppb	0.5663	0.2	3656.56
Ba 389.178	167.268	ppb	0.2483	0.1	3081.25
Be 313.042	53.9343	ppb	0.0379	0.1	82975.2
Ca 370.602	222471	ppb	626.3	0.3	525907
Cd 226.502	53.9342	ppb	0.1882	0.3	1691.24
Co 228.615	54.4680	ppb	1.0286	1.9	462.341
Cr 267.716	106.356	ppb	0.2795	0.3	2904.90
Cu 324.754	110.823	ppb	0.8124	0.7	5312.30
Fe 271.441	5103.74	ppb	11.2592	0.2	7443.28
K 766.491	29708.0	ppb	39.0527	0.1	808072
Mg 279.078	27399.1	ppb	18.1852	0.1	49684.4
Mn 257.610	584.151	ppb	0.8264	0.1	120907
Mo 202.032	105.430	ppb	0.4962	0.5	677.687
Na 330.237	54503.8	ppb	303.337	0.6	2192.34
Ni 231.604	107.813	ppb	0.9544	0.9	241.130
Pb 220.353	49.3196	ppb	0.4325	0.9	96.9747
Sb 206.834	51.4308	ppb	2.2454	4.4	46.0068
Se 196.026	105.806	ppb	5.6686	5.4	55.3222
Sn 189.925	200.519	ppb	2.5527	1.3	119.429
Sr 216.596	1986.87	ppb	3.3335	0.2	16940.7
Ti 334.941	101.862	ppb	0.0281	0.0	22244.0
Tl 190.794	35.9335	ppb	2.4175	6.7	18.3552
V 292.401	123.979	ppb	0.2038	0.2	2828.84
Zn 206.200	102.906	ppb	1.6182	1.6	987530

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

640-43209-a-12-c msd (Samp) 4/24/2013, 8:00:16 PM Rack 1, Tube 47**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	14.8042	14.9282	15.0857
Al 308.215	5501.23	5531.64	5577.48
As 188.980	113.592	116.660	122.115
B 249.678	287.730	287.255	287.977
Ba 389.178	168.417	168.543	166.515
Be 313.042	53.8368	53.8164	53.8022
Ca 370.602	222408	223498	222709
Cd 226.502	53.9404	53.8644	53.8027
Co 228.615	53.8704	53.8397	53.0027
Cr 267.716	105.744	106.810	106.970
Cu 324.754	109.704	111.230	110.130
Fe 271.441	5105.06	5102.77	5106.97
K 766.491	29936.3	29932.9	29894.9
Mg 279.078	27372.6	27454.9	27429.3
Mn 257.610	583.678	583.896	583.214
Mo 202.032	106.590	106.191	105.738
Na 330.237	54976.8	54494.0	54290.0
Ni 231.604	106.733	107.514	106.466
Pb 220.353	52.6344	49.0925	52.2787
Sb 206.834	47.8507	49.3103	45.4860
Se 196.026	105.802	113.217	110.759
Sn 189.925	199.302	203.206	207.106
Sr 216.596	1981.53	1992.16	1991.27
Ti 334.941	101.306	101.508	101.935
Tl 190.794	32.1135	35.3013	36.7263
V 292.401	124.548	124.232	124.117
Zn 206.200	104.839	109.124	106.258

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.9394	ppb	0.1411	0.9	870.958
Al 308.215	5536.78	ppb	38.3843	0.7	10696.3
As 188.980	117.455	ppb	4.3167	3.7	38.3549
B 249.678	287.654	ppb	0.3671	0.1	3557.35
Ba 389.178	167.825	ppb	1.1362	0.7	3091.49
Be 313.042	53.8185	ppb	0.0174	0.0	82796.4
Ca 370.602	222871	ppb	563.0	0.3	526853
Cd 226.502	53.8692	ppb	0.0689	0.1	1689.29
Co 228.615	53.5709	ppb	0.4924	0.9	454.578
Cr 267.716	106.508	ppb	0.6666	0.6	2909.09
Cu 324.754	110.355	ppb	0.7876	0.7	5290.49
Fe 271.441	5104.93	ppb	2.1056	0.0	7444.88
K 766.491	29921.4	ppb	22.9920	0.1	813874
Mg 279.078	27418.9	ppb	42.1512	0.2	49720.4
Mn 257.610	583.596	ppb	0.3486	0.1	120792
Mo 202.032	106.173	ppb	0.4264	0.4	682.316
Na 330.237	54586.9	ppb	352.690	0.6	2195.59
Ni 231.604	106.904	ppb	0.5446	0.5	239.035
Pb 220.353	51.3352	ppb	1.9504	3.8	99.5798
Sb 206.834	47.5490	ppb	1.9299	4.1	42.4942
Se 196.026	109.926	ppb	3.7772	3.4	57.1039
Sn 189.925	203.205	ppb	3.9023	1.9	121.136
Sr 216.596	1988.32	ppb	5.8964	0.3	16953.0
Ti 334.941	101.583	ppb	0.3215	0.3	22183.3
Tl 190.794	34.7137	ppb	2.3619	6.8	17.3496
V 292.401	124.299	ppb	0.2235	0.2	2836.11
Zn 206.200	106.740	ppb	2.1826	2.0	102.339

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mb 680-273943/1-a (Samp) 4/24/2013, 8:05:52 PM Rack 1, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1912	0.1970	0.2610
Al 308.215	3.5125	1.4292	7.0828
As 188.980	-2.4958u	2.2036	2.5483
B 249.678	-22.3581u	-23.0355u	-23.4424u
Ba 389.178	0.7322	1.1347	-0.1599u
Be 313.042	-0.0008u	-0.0108u	-0.0049u
Ca 370.602	15.17	10.25	16.99
Cd 226.502	0.0295	-0.0341u	-0.2193u
Co 228.615	-0.2469u	0.3804	-0.1136u
Cr 267.716	0.0876	-0.0902u	0.1473
Cu 324.754	0.2639	0.3524	0.5757
Fe 271.441	-3.0390u	3.8669	1.8098
K 766.491	0.6121	1.4626	1.0127
Mg 279.078	0.9552	4.1081	-0.1303u
Mn 257.610	-0.0501u	-0.1099u	-0.0217u
Mo 202.032	-1.5994u	-1.5394u	-1.3460u
Na 330.237	-153.890u	-124.737u	-194.986u
Ni 231.604	1.9466	0.2537	1.9881
Pb 220.353	-2.5507u	-0.5376u	1.0283
Sb 206.834	-2.1969u	-4.1538u	-5.4850u
Se 196.026	-6.3329u	3.1929	-1.4180u
Sn 189.925	2.4865	1.0815	-1.2256u
Sr 216.596	0.0463	0.1099	0.3534
Ti 334.941	0.0214	0.0026	-0.0846u
Tl 190.794	-3.6399u	-4.9971u	-2.3320u
V 292.401	0.0624	-0.1014u	-0.4596u
Zn 206.200	4.0407	2.9488	1.6515

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2164	ppb	0.0387	17.9	-14.8629
Al 308.215	4.0082	ppb	2.8592	71.3	-25.0362
As 188.980	0.7521	ppb	2.8180	374.7	-10.1753
B 249.678	-22.9453	ppb	0.5478	2.4	233.917
Ba 389.178	0.5690	ppb	0.6625	116.4	-21.3932
Be 313.042	-0.0055	ppb	0.0050	90.6	-325.977
Ca 370.602	14.14	ppb	3.487	24.7	30.44
Cd 226.502	-0.0746	ppb	0.1292	173.2	32.5876
Co 228.615	0.0066	ppb	0.3305	4991.5	-7.3027
Cr 267.716	0.0482	ppb	0.1235	256.1	-26.6678
Cu 324.754	0.3973	ppb	0.1607	40.4	163.127
Fe 271.441	0.8792	ppb	3.5457	403.3	29.3669
K 766.491	1.0291	ppb	0.4255	41.3	220.354
Mg 279.078	1.6443	ppb	2.2016	133.9	36.0972
Mn 257.610	-0.0605	ppb	0.0450	74.4	37.5201
Mo 202.032	-1.4949	ppb	0.1325	8.9	11.3838
Na 330.237	-157.871	ppb	35.2932	22.4	52.2179
Ni 231.604	1.3961	ppb	0.9896	70.9	-4.2845
Pb 220.353	-0.6867	ppb	1.7942	261.3	32.4838
Sb 206.834	-3.9453	ppb	1.6539	41.9	-4.1758
Se 196.026	-1.5193	ppb	4.7637	313.5	8.7472
Sn 189.925	0.7808	ppb	1.8742	240.0	-7.6276
Sr 216.596	0.1698	ppb	0.1621	95.4	23.2497
Ti 334.941	-0.0202	ppb	0.0566	280.2	-32.0940
Tl 190.794	-3.6563	ppb	1.3326	36.4	-13.3937
V 292.401	-0.1662	ppb	0.2670	160.6	-10.4231
Zn 206.200	2.8803	ppb	1.1961	41.5	5.3949

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Cont Calib Verif (CCV) 4/24/2013, 8:11:39 PM Rack 1, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	485.450	486.824	491.964
Al 308.215	4866.40	4912.38	4921.44
As 188.980	489.535	501.748	491.459
B 249.678	480.429	484.380	488.993
Ba 389.178	5082.10	5096.71	5121.89
Be 313.042	514.314	515.304	519.274
Ca 370.602	4927	4957	4985
Cd 226.502	516.333	516.632	518.808
Co 228.615	520.221	518.586	521.417
Cr 267.716	5094.51	5131.56	5161.19
Cu 324.754	5169.67	5102.98	5086.43
Fe 271.441	4923.82	4938.23	4954.97
K 766.491	9973.73	9990.40	9991.71
Mg 279.078	4963.29	4983.35	5006.02
Mn 257.610	5181.18	5199.63	5226.69
Mo 202.032	490.049	495.105	495.703
Na 330.237	7183.96	7248.87	7303.72
Ni 231.604	2599.24	2612.37	2627.55
Pb 220.353	487.439	496.556	496.654
Sb 206.834	961.235	965.944	973.810
Se 196.026	4966.16	5000.43	5020.71
Sn 189.925	4981.91	4992.57	5016.88
Sr 216.596	2493.79	2505.57	2515.21
Ti 334.941	492.058	494.492	496.832
Tl 190.794	5031.29	5026.97	5046.48
V 292.401	4951.64	4946.21	4968.49
Zn 206.200	2565.95	2586.97	2595.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.079	ppb	3.4339	0.7	31853.9	97.61585
Al 308.215	4900.08	ppb	29.5131	0.6	9451.24	98.00150
As 188.980	494.247	ppb	6.5665	1.3	194.924	98.84950
B 249.678	484.600	ppb	4.2860	0.9	5668.22	19.38402Q
Ba 389.178	5100.23	ppb	20.1297	0.4	93002.2	102.00466
Be 313.042	516.297	ppb	2.6248	0.5	796426	103.25944
Ca 370.602	4956	ppb	29.32	0.6	11628	99.12346
Cd 226.502	517.258	ppb	1.3512	0.3	15782.2	103.45152
Co 228.615	520.075	ppb	1.4213	0.3	4490.70	104.01492
Cr 267.716	5129.09	ppb	33.4065	0.7	141309	102.58172
Cu 324.754	5119.69	ppb	44.0620	0.9	238706	102.39384
Fe 271.441	4939.01	ppb	15.5928	0.3	7303.88	98.78011
K 766.491	9985.28	ppb	10.0265	0.1	271732	99.85278
Mg 279.078	4984.22	ppb	21.3812	0.4	8994.69	99.68442
Mn 257.610	5202.50	ppb	22.8895	0.4	1075046	104.04992
Mo 202.032	493.619	ppb	3.1064	0.6	3090.39	98.72381
Na 330.237	7245.52	ppb	59.9489	0.8	323.725	96.60690
Ni 231.604	2613.05	ppb	14.1681	0.5	6016.37	104.52207
Pb 220.353	493.549	ppb	5.2923	1.1	671.251	98.70988
Sb 206.834	966.996	ppb	6.3530	0.7	917.180	96.69963
Se 196.026	4995.77	ppb	27.5680	0.6	2171.40	99.91531
Sn 189.925	4997.12	ppb	17.9208	0.4	3168.47	99.94239
Sr 216.596	2504.86	ppb	10.7255	0.4	21285.1	100.19430
Ti 334.941	494.461	ppb	2.3875	0.5	107646	98.89214
Tl 190.794	5034.91	ppb	10.2433	0.2	4135.81	100.69827
V 292.401	4955.45	ppb	11.6149	0.2	113861	99.10896
Zn 206.200	2582.97	ppb	15.4063	0.6	2409.12	103.31870

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Cont Calib Blank (CCB) 4/24/2013, 8:17:13 PM Rack 1, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3869u	-0.5469u	-0.1603u
Al 308.215	5.6088	-1.4865u	0.6171
As 188.980	1.3656	4.8432	-1.0047u
B 249.678	-21.7000u	-23.9644u	-24.1754u
Ba 389.178	0.9183	0.2315	0.8199
Be 313.042	-0.0006u	0.0072	0.0117
Ca 370.602	8.869	1.961	-0.4443u
Cd 226.502	-0.2850u	-0.1884u	-0.1031u
Co 228.615	0.2472	-0.2853u	0.3891
Cr 267.716	0.4091	0.2517	-0.0830u
Cu 324.754	0.1141	0.0888	0.0355
Fe 271.441	-0.9579u	-2.7530u	0.0088
K 766.491	-0.9284u	-1.3864u	-0.8356u
Mg 279.078	-2.9055u	2.8029	-2.9179u
Mn 257.610	0.0146	0.0330	-0.0114u
Mo 202.032	-0.6729u	-1.2497u	-0.6537u
Na 330.237	-36.4183u	-113.773u	-222.905u
Ni 231.604	2.0314	1.3519	1.9996
Pb 220.353	3.5082	-1.1738u	-0.6169u
Sb 206.834	3.1999	-1.7606u	1.6066
Se 196.026	1.6084	-3.0619u	12.2842
Sn 189.925	-0.5656u	0.6325	1.8606
Sr 216.596	0.5227	-0.2832u	0.1992
Ti 334.941	-0.0060u	-0.0378u	-0.0393u
Tl 190.794	-2.3108u	4.0401	-5.1692u
V 292.401	-0.1659u	0.0801	-0.0161u
Zn 206.200	-1.1533u	-0.0147u	-0.3970u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3647	ppb	0.1943	53.3	-52.8712	-0.36471
Al 308.215	1.5798	ppb	3.6443	230.7	-29.7151	1.57983
As 188.980	1.7347	ppb	2.9414	169.6	-9.7669	1.73470
B 249.678	-23.2799	ppb	1.3723	5.9	230.337	-23.27991
Ba 389.178	0.6566	ppb	0.3714	56.6	-19.8054	0.65656
Be 313.042	0.0061	ppb	0.0062	102.0	-308.126	0.00611
Ca 370.602	3.462	ppb	4.835	139.7	5.516	3.46197
Cd 226.502	-0.1922	ppb	0.0910	47.4	28.9954	-0.19218
Co 228.615	0.1170	ppb	0.3556	303.9	-6.3630	0.11702
Cr 267.716	0.1926	ppb	0.2513	130.5	-22.6884	0.19261
Cu 324.754	0.0795	ppb	0.0401	50.5	148.326	0.07949
Fe 271.441	-1.2340	ppb	1.4014	113.6	26.3247	-1.23402
K 766.491	-1.0502	ppb	0.2949	28.1	163.810	-1.05016
Mg 279.078	-1.0068	ppb	3.2993	327.7	31.2911	-1.00683
Mn 257.610	0.0121	ppb	0.0223	184.6	52.4914	0.01207
Mo 202.032	-0.8588	ppb	0.3387	39.4	15.3506	-0.85877
Na 330.237	-124.366	ppb	93.6937	75.3	53.5579	-124.36551
Ni 231.604	1.7943	ppb	0.3835	21.4	-3.3668	1.79430
Pb 220.353	0.5725	ppb	2.5576	446.7	34.1108	0.57251
Sb 206.834	1.0153	ppb	2.5325	249.4	0.3003	1.01530
Se 196.026	3.6102	ppb	7.8665	217.9	10.9659	3.61023
Sn 189.925	0.6425	ppb	1.2131	188.8	-7.7155	0.64249
Sr 216.596	0.1462	ppb	0.4055	277.4	23.0191	0.14620
Ti 334.941	-0.0277	ppb	0.0188	67.9	-33.7491	-0.02773
Tl 190.794	-1.1466	ppb	4.7137	411.1	-11.3248	-1.14664
V 292.401	-0.0340	ppb	0.1240	364.6	-7.4814	-0.03400
Zn 206.200	-0.5217	ppb	0.5794	111.1	2.2126	-0.52166

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ics 680-273943/2-a (Samp) 4/24/2013, 8:22:47 PM Rack 1, Tube 51
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.8828	10.1559	10.2381
Al 308.215	5243.53	5285.01	5297.68
As 188.980	106.697	112.315	110.753
B 249.678	171.444	172.495	173.839
Ba 389.178	105.918	106.622	104.725
Be 313.042	53.9228	53.9883	54.0672
Ca 370.602	4981	4980	5000
Cd 226.502	53.8056	54.1616	54.5451
Co 228.615	53.4225	54.3888	54.0003
Cr 267.716	106.458	107.271	107.768
Cu 324.754	105.449	105.260	106.041
Fe 271.441	5058.92	5051.47	5060.63
K 766.491	5130.36	5114.30	5119.49
Mg 279.078	5106.82	5120.82	5113.29
Mn 257.610	548.706	548.595	549.221
Mo 202.032	100.675	100.858	101.080
Na 330.237	5301.97	4947.66	5201.72
Ni 231.604	105.978	105.033	106.860
Pb 220.353	54.1468	51.6467	49.3899
Sb 206.834	47.2349	49.4762	42.6114
Se 196.026	113.405	101.454	101.513
Sn 189.925	206.493	208.454	202.639
Sr 216.596	103.052	103.994	103.980
Ti 334.941	101.220	101.407	101.599
Tl 190.794	38.2990	38.4477	40.3390
V 292.401	103.630	103.541	102.955
Zn 206.200	106.460	111.365	111.157

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0923	ppb	0.1860	1.8	629.260
Al 308.215	5275.41	ppb	28.3200	0.5	10189.9
As 188.980	109.922	ppb	2.9001	2.6	35.2235
B 249.678	172.593	ppb	1.2005	0.7	2324.20
Ba 389.178	105.755	ppb	0.9587	0.9	1913.54
Be 313.042	53.9928	ppb	0.0723	0.1	83010.3
Ca 370.602	4987	ppb	11.05	0.2	11512
Cd 226.502	54.1708	ppb	0.3699	0.7	1698.23
Co 228.615	53.9372	ppb	0.4862	0.9	457.855
Cr 267.716	107.165	ppb	0.6615	0.6	2926.75
Cu 324.754	105.583	ppb	0.4076	0.4	5068.17
Fe 271.441	5057.01	ppb	4.8712	0.1	7375.21
K 766.491	5121.38	ppb	8.1927	0.2	139463
Mg 279.078	5113.64	ppb	7.0038	0.1	9293.38
Mn 257.610	548.840	ppb	0.3340	0.1	113492
Mo 202.032	100.871	ppb	0.2029	0.2	649.293
Na 330.237	5150.45	ppb	182.634	3.5	257.908
Ni 231.604	105.957	ppb	0.9137	0.9	236.849
Pb 220.353	51.7278	ppb	2.3795	4.6	100.091
Sb 206.834	46.4408	ppb	3.5006	7.5	41.5618
Se 196.026	105.457	ppb	6.8828	6.5	55.1632
Sn 189.925	205.862	ppb	2.9584	1.4	122.742
Sr 216.596	103.676	ppb	0.5401	0.5	901.548
Ti 334.941	101.409	ppb	0.1895	0.2	22069.8
Tl 190.794	39.0286	ppb	1.1373	2.9	20.9455
V 292.401	103.376	ppb	0.3666	0.4	2354.86
Zn 206.200	109.660	ppb	2.7738	2.5	105.070

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

ics 680-273943/3-a (Samp) 4/24/2013, 8:28:21 PM Rack 1, Tube 52
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	208.076	200.638	252.985
Al 308.215	2095.74	1954.65	2442.56
As 188.980	205.230	204.181	235.973
B 249.678	370.466	344.649	434.699
Ba 389.178	202.774	189.594	235.063
Be 313.042	213.444	198.216	245.782
Ca 370.602	20098	18687	23096
Cd 226.502	211.214	195.253	244.300
Co 228.615	210.910	195.941	251.447
Cr 267.716	208.877	194.357	241.486
Cu 324.754	212.997	205.059	251.818
Fe 271.441	20778.5	19271.4	23992.1
K 766.491	20806.6	19792.2	23045.8
Mg 279.078	20425.3	18980.8	23565.6
Mn 257.610	2175.67	2012.76	2502.17
Mo 202.032	201.628	186.549	231.953
Na 330.237	18757.2	17933.8	21319.8
Ni 231.604	208.090	194.906	237.524
Pb 220.353	198.646	186.441	232.016
Sb 206.834	191.175	170.695	226.413
Se 196.026	201.990	182.375	242.750
Sn 189.925	202.719	189.703	239.977
Sr 216.596	217.182	201.082	249.337
Ti 334.941	200.740	185.840	231.718
Tl 190.794	40.7666	34.7681	45.3582
V 292.401	206.154	190.633	237.308
Zn 206.200	193.003	182.573	228.213

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	220.566	ppb	28.3208	12.8	14400.8
Al 308.215	2164.31	ppb	251.080	11.6	4167.61
As 188.980	215.128	ppb	18.0597	8.4	79.0483
B 249.678	383.271	ppb	46.3709	12.1	4564.69
Ba 389.178	209.144	ppb	23.3942	11.2	3850.51
Be 313.042	219.147	ppb	24.2907	11.1	337927
Ca 370.602	20627	ppb	2252	10.9	47564
Cd 226.502	216.922	ppb	25.0168	11.5	6699.34
Co 228.615	219.432	ppb	28.7177	13.1	1886.23
Cr 267.716	214.907	ppb	24.1365	11.2	5901.14
Cu 324.754	223.291	ppb	25.0218	11.2	10560.0
Fe 271.441	21347.3	ppb	2411.20	11.3	31039.9
K 766.491	21214.9	ppb	1664.78	7.8	577110
Mg 279.078	20990.6	ppb	2344.07	11.2	38049.9
Mn 257.610	2230.20	ppb	249.223	11.2	461023
Mo 202.032	206.710	ppb	23.1247	11.2	1308.37
Na 330.237	19336.9	ppb	1765.92	9.1	809.068
Ni 231.604	213.507	ppb	21.8196	10.2	485.078
Pb 220.353	205.701	ppb	23.5925	11.5	299.235
Sb 206.834	196.094	ppb	28.1830	14.4	177.940
Se 196.026	209.038	ppb	30.7985	14.7	100.413
Sn 189.925	210.799	ppb	26.0928	12.4	125.889
Sr 216.596	222.534	ppb	24.5689	11.0	1914.84
Ti 334.941	206.099	ppb	23.4039	11.4	44919.8
Tl 190.794	40.2977	ppb	5.3106	13.2	19.3449
V 292.401	211.365	ppb	23.7700	11.2	4822.15
Zn 206.200	201.263	ppb	23.9148	11.9	199.547

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89329-c-4-d (Samp) 4/24/2013, 8:33:56 PM Rack 1, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1009u	-0.2041u	-0.1870u
Al 308.215	286.074	275.372	278.103
As 188.980	7.1587	11.0797	19.7579
B 249.678	990.605	995.929	996.172
Ba 389.178	22.4622	20.5878	20.4597
Be 313.042	0.2410u	0.2404u	0.2508u
Ca 370.602	28247	28323	28212
Cd 226.502	0.7119	0.6002u	0.6248u
Co 228.615	-0.2548u	0.0049u	0.6867
Cr 267.716	-0.6655	-0.3282	-0.9380
Cu 324.754	12.6624	12.8353	12.7311
Fe 271.441	85.2539	83.1285	77.1447
K 766.491	34236.7	34280.3	34102.7
Mg 279.078	3356.08	3352.58	3331.61
Mn 257.610	20.9631	20.8628	20.7047
Mo 202.032	130.452	132.091	132.436
Na 330.237	5021128x	4994031x	5028575x
Ni 231.604	5.6683	5.8758	5.8968
Pb 220.353	2.9731	3.0753	2.9674
Sb 206.834	-1.7917u	-0.6153u	9.0198
Se 196.026	47.3039	49.0853	35.0408
Sn 189.925	1.5947	-2.1930u	1.7595
Sr 216.596	92.4980	92.5773	92.9554
Ti 334.941	2.1310	2.1145	2.1433
Tl 190.794	-10.7579u	-4.7222u	-7.7893u
V 292.401	1.6340u	1.6126u	1.6775u
Zn 206.200	49.2368	48.3867	50.7533

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1640b	ppb	0.0553	33.7	-43.4499
Al 308.215	279.850b	ppb	5.5607	2.0	515.240
As 188.980	12.6654b	ppb	6.4475	50.9	-5.2459
B 249.678	994.236b	ppb	3.1463	0.3	11135.6
Ba 389.178	21.1699b	ppb	1.1210	5.3	361.803
Be 313.042	0.2441b	ppb	0.0058	2.4	-394.012
Ca 370.602	28261b	ppb	56.65	0.2	66835
Cd 226.502	0.6456b	ppb	0.0587	9.1	33.5124
Co 228.615	0.1456b	ppb	0.4863	334.0	-9.4086
Cr 267.716	-0.6439b	ppb	0.3055	47.4	2.0809
Cu 324.754	12.7429b	ppb	0.0871	0.7	741.919
Fe 271.441	81.8423b	ppb	4.2048	5.1	147.070
K 766.491	34206.6b	ppb	92.5500	0.3	930407
Mg 279.078	3346.76b	ppb	13.2352	0.4	6098.65
Mn 257.610	20.8435b	ppb	0.1303	0.6	4352.01
Mo 202.032	131.660b	ppb	1.0597	0.8	841.656
Na 330.237	5014578xb	ppb	18179.5	0.4	196606
Ni 231.604	5.8136b	ppb	0.1263	2.2	5.9006
Pb 220.353	3.0053b	ppb	0.0607	2.0	37.1170
Sb 206.834	2.2043b	ppb	5.9316	269.1	-0.2520
Se 196.026	43.8100b	ppb	7.6464	17.5	28.3587
Sn 189.925	0.3871b	ppb	2.2359	577.7	-6.5998
Sr 216.596	92.6769b	ppb	0.2444	0.3	808.688
Ti 334.941	2.1296b	ppb	0.0144	0.7	164.720
Tl 190.794	-7.7565b	ppb	3.0180	38.9	-16.8504
V 292.401	1.6414b	ppb	0.0330	2.0	-21.7761
Zn 206.200	49.4589b	ppb	1.1988	2.4	48.9581

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680-89329-c-4-e ms (Samp) 4/24/2013, 8:39:30 PM Rack 1, Tube 54**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.3410	11.8212	11.4492
Al 308.215	6132.63	6109.56	6162.90
As 188.980	142.503	132.304	147.046
B 249.678	1198.95	1203.26	1199.92
Ba 389.178	124.544	125.781	125.632
Be 313.042	55.9271	55.7479	55.7235
Ca 370.602	32609	32517	32619
Cd 226.502	54.9707	54.7033	55.2487
Co 228.615	53.4240	53.1642	52.7723
Cr 267.716	106.000	105.920	106.584
Cu 324.754	126.249	125.487	125.148
Fe 271.441	5009.67	5000.90	5007.58
K 766.491	45681.9x	45558.1x	45304.1x
Mg 279.078	8018.57	7991.57	7999.27
Mn 257.610	563.234	562.472	561.613
Mo 202.032	230.933	230.296	230.870
Na 330.237	5011066x	4976128x	4901343x
Ni 231.604	106.789	108.504	108.307
Pb 220.353	56.2066	50.9865	50.0470
Sb 206.834	55.7995	51.9154	58.2674
Se 196.026	180.958	182.100	159.593
Sn 189.925	206.054	200.369	200.570
Sr 216.596	194.518	196.935	198.665
Ti 334.941	102.256	101.737	101.948
Tl 190.794	28.9222	33.3659	31.2498
V 292.401	105.167	104.522	104.713
Zn 206.200	153.460	161.974	161.701

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.5372b	ppb	0.2519	2.2	720.019
Al 308.215	6135.03b	ppb	26.7513	0.4	11860.9
As 188.980	140.618b	ppb	7.5497	5.4	47.9607
B 249.678	1200.71b	ppb	2.2619	0.2	13343.2
Ba 389.178	125.319b	ppb	0.6754	0.5	2276.75
Be 313.042	55.7995b	ppb	0.1112	0.2	85349.9
Ca 370.602	32582b	ppb	56.52	0.2	76782
Cd 226.502	54.9742b	ppb	0.2727	0.5	1701.52
Co 228.615	53.1202b	ppb	0.3281	0.6	447.527
Cr 267.716	106.168b	ppb	0.3629	0.3	2946.59
Cu 324.754	125.628b	ppb	0.5640	0.4	6005.67
Fe 271.441	5006.05b	ppb	4.5791	0.1	7301.32
K 766.491	45514.7xb	ppb	192.592	0.4	1237921
Mg 279.078	8003.14b	ppb	13.9112	0.2	14530.1
Mn 257.610	562.440b	ppb	0.8108	0.1	116295
Mo 202.032	230.700b	ppb	0.3510	0.2	1458.83
Na 330.237	4962846xb	ppb	56054.4	1.1	194576
Ni 231.604	107.867b	ppb	0.9384	0.9	241.253
Pb 220.353	52.4134b	ppb	3.3184	6.3	100.833
Sb 206.834	55.3274b	ppb	3.2022	5.8	47.9937
Se 196.026	174.217b	ppb	12.6778	7.3	84.9068
Sn 189.925	202.331b	ppb	3.2255	1.6	121.763
Sr 216.596	196.706b	ppb	2.0834	1.1	1691.44
Ti 334.941	101.980b	ppb	0.2612	0.3	21924.2
Tl 190.794	31.1793b	ppb	2.2227	7.1	14.4122
V 292.401	104.801b	ppb	0.3315	0.3	2335.31
Zn 206.200	159.045b	ppb	4.8390	3.0	151.257

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680-89329-c-4-f msd (Samp) 4/24/2013, 8:45:05 PM Rack 1, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	11.4451	11.8893	11.9915
Al 308.215	6185.45	6149.45	6203.89
As 188.980	133.538	122.537	135.719
B 249.678	1194.45	1202.43	1204.34
Ba 389.178	125.544	126.387	126.700
Be 313.042	56.4721	56.3616	56.4338
Ca 370.602	32406	32403	32464
Cd 226.502	56.0156	55.6384	55.9359
Co 228.615	53.6599	54.0728	53.7256
Cr 267.716	106.006	106.477	107.247
Cu 324.754	126.109	125.784	126.823
Fe 271.441	5072.94	5056.04	5060.90
K 766.491	45495.6x	45179.1x	45057.2x
Mg 279.078	8017.53	8034.99	8025.61
Mn 257.610	568.053	568.201	568.219
Mo 202.032	231.371	232.003	231.133
Na 330.237	4920227x	4911457x	4895087x
Ni 231.604	108.439	110.322	108.467
Pb 220.353	53.0248	55.4761	51.4195
Sb 206.834	49.8007	53.4347	53.8592
Se 196.026	156.509	169.048	161.255
Sn 189.925	203.915	210.317	198.370
Sr 216.596	195.384	195.918	196.582
Ti 334.941	103.243	102.963	103.289
Tl 190.794	22.1905	22.3291	27.9147
V 292.401	106.322	105.522	106.156
Zn 206.200	169.639	171.816	168.905

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.7753b	ppb	0.2905	2.5	735.619
Al 308.215	6179.60b	ppb	27.6898	0.4	11947.2
As 188.980	130.598b	ppb	7.0655	5.4	43.7955
B 249.678	1200.41b	ppb	5.2464	0.4	13339.9
Ba 389.178	126.210b	ppb	0.5978	0.5	2293.14
Be 313.042	56.4225b	ppb	0.0561	0.1	86316.4
Ca 370.602	32424b	ppb	34.17	0.1	76406
Cd 226.502	55.8633b	ppb	0.1988	0.4	1728.99
Co 228.615	53.8194b	ppb	0.2219	0.4	453.559
Cr 267.716	106.576b	ppb	0.6262	0.6	2957.33
Cu 324.754	126.239b	ppb	0.5314	0.4	6034.19
Fe 271.441	5063.29b	ppb	8.7003	0.2	7384.40
K 766.491	45244.0xb	ppb	226.297	0.5	1230558
Mg 279.078	8026.04b	ppb	8.7382	0.1	14571.5
Mn 257.610	568.158b	ppb	0.0911	0.0	117477
Mo 202.032	231.502b	ppb	0.4496	0.2	1463.83
Na 330.237	4908924xb	ppb	12759.8	0.3	192462
Ni 231.604	109.076b	ppb	1.0791	1.0	244.041
Pb 220.353	53.3068b	ppb	2.0430	3.8	101.987
Sb 206.834	52.3649b	ppb	2.2307	4.3	45.3208
Se 196.026	162.271b	ppb	6.3305	3.9	79.7412
Sn 189.925	204.200b	ppb	5.9786	2.9	122.937
Sr 216.596	195.961b	ppb	0.6005	0.3	1685.06
Ti 334.941	103.165b	ppb	0.1767	0.2	22185.4
Tl 190.794	24.1447b	ppb	3.2656	13.5	8.6038
V 292.401	106.000b	ppb	0.4222	0.4	2363.06
Zn 206.200	170.120b	ppb	1.5141	0.8	161.614

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680-89329-c-4-d (Samp) 4/24/2013, 8:50:40 PM Rack 1, Tube 56

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2165u	-0.0325u	-0.0669u
Al 308.215	27.6473	21.2528	28.7445
As 188.980	6.2756	4.5016	3.7436
B 249.678	-5.4731u	-7.1938u	-6.0627u
Ba 389.178	0.4338	-0.0654u	0.6917
Be 313.042	0.0078	0.0034	0.0021u
Ca 370.602	268.6	273.6	289.5
Cd 226.502	-0.1801u	-0.2480u	-0.0826u
Co 228.615	-1.0734u	0.9342	0.4501
Cr 267.716	0.0772	0.3325	0.0447
Cu 324.754	-0.4441u	-0.8095u	0.2501
Fe 271.441	-6.2690u	-0.7441u	10.7359
K 766.491	149.989	142.222	151.121
Mg 279.078	34.6376	39.0752	41.8007
Mn 257.610	0.1524	0.1955	0.1952
Mo 202.032	-0.0447u	0.1257	0.3916
Na 330.237	37786.5	37610.5	40242.9
Ni 231.604	0.6931	-0.1954u	1.4616
Pb 220.353	-4.5322u	-5.1821u	-0.2262u
Sb 206.834	-3.3409u	-3.3695u	2.3931
Se 196.026	4.9496	-1.8733u	-0.3525u
Sn 189.925	-0.3899u	1.7268	0.4830
Sr 216.596	0.2955	1.0825	0.2700
Ti 334.941	-0.0750u	-0.1565u	-0.1270u
Tl 190.794	-3.4770u	-1.0269u	-1.3319u
V 292.401	-0.3725u	-0.0486u	-0.3116u
Zn 206.200	-0.2679u	0.5030	2.0906

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1053	ppb	0.0978	92.9	-35.9247
Al 308.215	25.8815	ppb	4.0460	15.6	17.4117
As 188.980	4.8403	ppb	1.2996	26.8	-8.4761
B 249.678	-6.2432	ppb	0.8744	14.0	412.927
Ba 389.178	0.3534	ppb	0.3849	108.9	-25.2482
Be 313.042	0.0045	ppb	0.0030	67.5	-314.142
Ca 370.602	277.2	ppb	10.94	3.9	652.9
Cd 226.502	-0.1702	ppb	0.0831	48.8	29.5051
Co 228.615	0.1036	ppb	1.0477	1011.1	-6.5096
Cr 267.716	0.1515	ppb	0.1576	104.1	-23.4542
Cu 324.754	-0.3345	ppb	0.5382	160.9	129.066
Fe 271.441	1.2409	ppb	8.6745	699.0	29.8997
K 766.491	147.777	ppb	4.8442	3.3	4211.03
Mg 279.078	38.5045	ppb	3.6155	9.4	102.895
Mn 257.610	0.1810	ppb	0.0248	13.7	87.4377
Mo 202.032	0.1575	ppb	0.2199	139.6	21.6878
Na 330.237	38546.6	ppb	1471.66	3.8	1569.27
Ni 231.604	0.6531	ppb	0.8292	127.0	-5.9975
Pb 220.353	-3.3135	ppb	2.6933	81.3	29.0865
Sb 206.834	-1.4391	ppb	3.3188	230.6	-1.9333
Se 196.026	0.9079	ppb	3.5819	394.5	9.7971
Sn 189.925	0.6066	ppb	1.0638	175.4	-7.7284
Sr 216.596	0.5494	ppb	0.4619	84.1	26.4569
Ti 334.941	-0.1195	ppb	0.0413	34.5	-55.7646
Tl 190.794	-1.9453	ppb	1.3352	68.6	-11.9840
V 292.401	-0.2443	ppb	0.1721	70.5	-12.7492
Zn 206.200	0.7752	ppb	1.2926	155.1	3.4260

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680-89329-c-4-e ms (Samp) 4/24/2013, 8:56:16 PM Rack 1, Tube 57

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1986u	0.0321	0.2969
Al 308.215	56.1599	54.9791	50.0253
As 188.980	2.0070	13.2406	-0.3926u
B 249.678	-15.7480u	-15.7350u	-16.8506u
Ba 389.178	0.6116	1.3952	1.5096
Be 313.042	0.5210	0.5119	0.4988
Ca 370.602	322.4	319.8	321.6
Cd 226.502	0.2087	0.3632	0.5309
Co 228.615	0.9615	0.0926	0.5489
Cr 267.716	1.1003	1.1541	1.1385
Cu 324.754	0.8590	0.5969	0.6708
Fe 271.441	48.7051	46.9126	47.0651
K 766.491	195.813	193.587	192.793
Mg 279.078	82.1914	83.5666	82.6679
Mn 257.610	5.5588	5.4515	5.4659
Mo 202.032	1.0248	0.9082	1.3042
Na 330.237	37786.0	37642.5	37188.1
Ni 231.604	2.4479	1.0297	2.8061
Pb 220.353	-1.1191u	-2.5121u	3.1540
Sb 206.834	-0.7194u	1.7450	-6.2303u
Se 196.026	-0.8503u	2.4144	2.4342
Sn 189.925	0.8660	-1.2730u	0.3289
Sr 216.596	1.9437	1.9297	1.6577
Ti 334.941	0.8983	0.8745	0.8400
Tl 190.794	1.3604	-4.4386u	-0.3913u
V 292.401	1.0888	0.7500	0.8021
Zn 206.200	1.4764	-1.5739u	-1.3166u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0435	ppb	0.2479	570.3	-26.2251
Al 308.215	53.7214	ppb	3.2549	6.1	71.3667
As 188.980	4.9516	ppb	7.2780	147.0	-8.4296
B 249.678	-16.1112	ppb	0.6404	4.0	307.112
Ba 389.178	1.1721	ppb	0.4888	41.7	-10.1642
Be 313.042	0.5106	ppb	0.0112	2.2	467.088
Ca 370.602	321.3	ppb	1.320	0.4	754.3
Cd 226.502	0.3676	ppb	0.1611	43.8	46.0245
Co 228.615	0.5343	ppb	0.4346	81.3	-2.7901
Cr 267.716	1.1310	ppb	0.0277	2.4	3.5419
Cu 324.754	0.7089	ppb	0.1351	19.1	177.714
Fe 271.441	47.5609	ppb	0.9938	2.1	97.1719
K 766.491	194.064	ppb	1.5661	0.8	5469.75
Mg 279.078	82.8086	ppb	0.6983	0.8	183.123
Mn 257.610	5.4921	ppb	0.0582	1.1	1185.18
Mo 202.032	1.0791	ppb	0.2035	18.9	27.4300
Na 330.237	37538.9	ppb	312.123	0.8	1529.76
Ni 231.604	2.0945	ppb	0.9395	44.9	-2.6737
Pb 220.353	-0.1590	ppb	2.9525	1856.5	33.1629
Sb 206.834	-1.7349	ppb	4.0835	235.4	-2.1965
Se 196.026	1.3328	ppb	1.8906	141.9	9.9823
Sn 189.925	-0.0261	ppb	1.1128	4270.0	-8.1309
Sr 216.596	1.8437	ppb	0.1612	8.7	37.4448
Ti 334.941	0.8709	ppb	0.0293	3.4	160.102
Tl 190.794	-1.1565	ppb	2.9743	257.2	-11.3420
V 292.401	0.8803	ppb	0.1824	20.7	13.0133
Zn 206.200	-0.4714	ppb	1.6917	358.9	-2.2583

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680-89329-c-4-f msd (Samp) 4/24/2013, 9:01:52 PM Rack 1, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0354	0.2408	0.0388
Al 308.215	57.1669	57.4665	52.2460
As 188.980	4.3856	-2.1009u	3.8195
B 249.678	-20.7472u	-20.2631u	-21.2243u
Ba 389.178	1.1518	1.6916	2.5571
Be 313.042	0.5149	0.5044	0.5153
Ca 370.602	316.5	321.8	307.5
Cd 226.502	0.2134	0.3529	0.3876
Co 228.615	1.0957	0.3573	-0.2102u
Cr 267.716	1.2608	0.8892	1.2501
Cu 324.754	1.0411	0.7384	0.3859
Fe 271.441	44.6860	47.4841	40.8188
K 766.491	191.810	193.716	187.225
Mg 279.078	86.5182	85.6586	80.2710
Mn 257.610	5.5371	5.5546	5.3506
Mo 202.032	0.7993	0.3126	1.6368
Na 330.237	36694.1	37367.4	35786.3
Ni 231.604	0.3720	1.8521	2.0999
Pb 220.353	2.2495	1.7067	-1.9419u
Sb 206.834	-1.0858u	0.0942	2.2934
Se 196.026	10.7939	0.8975	9.7961
Sn 189.925	2.6709	-0.9260u	2.0270
Sr 216.596	1.9735	1.3644	1.8703
Ti 334.941	0.8604	0.9140	0.8371
Tl 190.794	-6.2776u	-3.6839u	-3.8872u
V 292.401	1.0803	1.0522	0.1839
Zn 206.200	-0.4067u	0.0070	0.0083

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1050	ppb	0.1176	112.0	-22.1958
Al 308.215	55.6265	ppb	2.9314	5.3	75.0505
As 188.980	2.0347	ppb	3.5927	176.6	-9.6422
B 249.678	-20.7449	ppb	0.4806	2.3	257.454
Ba 389.178	1.8001	ppb	0.7089	39.4	1.2867
Be 313.042	0.5115	ppb	0.0061	1.2	468.637
Ca 370.602	315.3	ppb	7.243	2.3	740.3
Cd 226.502	0.3180	ppb	0.0922	29.0	44.5087
Co 228.615	0.4143	ppb	0.6548	158.1	-3.8242
Cr 267.716	1.1334	ppb	0.2115	18.7	3.6001
Cu 324.754	0.7218	ppb	0.3280	45.4	178.312
Fe 271.441	44.3296	ppb	3.3469	7.6	92.4910
K 766.491	190.917	ppb	3.3365	1.7	5384.17
Mg 279.078	84.1493	ppb	3.3861	4.0	185.553
Mn 257.610	5.4808	ppb	0.1131	2.1	1182.85
Mo 202.032	0.9163	ppb	0.6698	73.1	26.4153
Na 330.237	36615.9	ppb	793.425	2.2	1493.58
Ni 231.604	1.4414	ppb	0.9343	64.8	-4.1795
Pb 220.353	0.6714	ppb	2.2794	339.5	34.2365
Sb 206.834	0.4339	ppb	1.7150	395.2	-0.2341
Se 196.026	7.1625	ppb	5.4485	76.1	12.5038
Sn 189.925	1.2573	ppb	1.9180	152.5	-7.3153
Sr 216.596	1.7361	ppb	0.3260	18.8	36.5456
Ti 334.941	0.8705	ppb	0.0394	4.5	160.060
Tl 190.794	-4.6162	ppb	1.4424	31.2	-14.1939
V 292.401	0.7722	ppb	0.5097	66.0	10.5483
Zn 206.200	-0.1305	ppb	0.2392	183.3	2.5770

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1557	-0.6677u	0.1243
Al 308.215	174.967	170.010	169.200
As 188.980	6.8857	3.5993	1.9172
B 249.678	-28.2355u	-29.2668u	-28.8603u
Ba 389.178	24.8775	25.4824	25.5075
Be 313.042	0.0878	0.0955	0.0849
Ca 370.602	730.9	724.3	726.8
Cd 226.502	-0.2760u	-0.1796u	-0.1659u
Co 228.615	1.6237	2.4766	1.8005
Cr 267.716	0.4475	0.4278	0.3244
Cu 324.754	3.0071	2.6596	2.8192
Fe 271.441	48.5952	46.1739	53.3331
K 766.491	629.799	627.669	632.314
Mg 279.078	524.811	520.149	534.538
Mn 257.610	11.7687	11.7170	11.8229
Mo 202.032	-0.8401u	-1.1422u	-1.7088u
Na 330.237	1172.73	1180.49	1102.61
Ni 231.604	2.3503	2.6771	1.0941
Pb 220.353	-2.5865u	-2.3819u	-4.3625u
Sb 206.834	-2.7021u	-1.0167u	-1.9648u
Se 196.026	1.0219	4.0159	-6.2273u
Sn 189.925	3.6461	-1.2323u	-0.3568u
Sr 216.596	6.6930	7.5128	6.9329
Ti 334.941	1.8261	1.8058	1.8477
Tl 190.794	1.5100	-2.6446u	-2.4148u
V 292.401	1.4703	1.1588	1.4291
Zn 206.200	6.2118	7.5284	7.4243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1292	ppb	0.4666	361.2	-37.7080
Al 308.215	171.392	ppb	3.1222	1.8	299.201
As 188.980	4.1341	ppb	2.5271	61.1	-8.7691
B 249.678	-28.7876	ppb	0.5195	1.8	171.255
Ba 389.178	25.2891	ppb	0.3567	1.4	430.539
Be 313.042	0.0894	ppb	0.0055	6.2	-179.518
Ca 370.602	727.3	ppb	3.314	0.5	1715
Cd 226.502	-0.2072	ppb	0.0600	28.9	28.6987
Co 228.615	1.9669	ppb	0.4501	22.9	9.6536
Cr 267.716	0.3999	ppb	0.0661	16.5	-16.9315
Cu 324.754	2.8286	ppb	0.1739	6.1	276.441
Fe 271.441	49.3674	ppb	3.6415	7.4	99.9115
K 766.491	629.927	ppb	2.3254	0.4	17322.6
Mg 279.078	526.499	ppb	7.3416	1.4	987.183
Mn 257.610	11.7695	ppb	0.0529	0.4	2484.74
Mo 202.032	-1.2303	ppb	0.4410	35.8	13.0292
Na 330.237	1151.94	ppb	42.8982	3.7	103.514
Ni 231.604	2.0405	ppb	0.8357	41.0	-2.7982
Pb 220.353	-3.1103	ppb	1.0892	35.0	29.3495
Sb 206.834	-1.8945	ppb	0.8449	44.6	-2.3235
Se 196.026	-0.3965	ppb	5.2668	1328.3	9.2357
Sn 189.925	0.6857	ppb	2.6009	379.3	-7.6875
Sr 216.596	7.0462	ppb	0.4215	6.0	81.8064
Ti 334.941	1.8265	ppb	0.0210	1.1	371.763
Tl 190.794	-1.1832	ppb	2.3351	197.4	-11.3701
V 292.401	1.3527	ppb	0.1692	12.5	24.5370
Zn 206.200	7.0548	ppb	0.7320	10.4	9.2989

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680-89361-a-2-c (Samp) 4/24/2013, 9:13:04 PM Rack 1, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2687u	0.2031	-0.2870u
Al 308.215	246.579	249.269	248.747
As 188.980	1.6889	0.9349	-4.9164u
B 249.678	-31.1495u	-30.6953u	-30.0429u
Ba 389.178	27.2940	25.0400	24.5895
Be 313.042	0.1037	0.1038	0.0920
Ca 370.602	781.3	785.8	783.1
Cd 226.502	-0.1361u	-0.0343u	-0.3748u
Co 228.615	1.2904	1.6571	1.5726
Cr 267.716	0.6217	0.2826	0.2432
Cu 324.754	3.3080	3.8794	3.6968
Fe 271.441	81.5629	87.4075	79.5055
K 766.491	590.641	588.511	587.489
Mg 279.078	577.478	581.091	582.499
Mn 257.610	13.3797	13.3894	13.3853
Mo 202.032	-1.1142u	-1.1638u	-1.1536u
Na 330.237	1292.47	1362.41	1341.82
Ni 231.604	1.0360	1.6327	1.7091
Pb 220.353	-2.8364u	-0.2075u	0.7791
Sb 206.834	-1.2690u	-5.5605u	1.2937
Se 196.026	-4.5361u	6.4041	2.2012
Sn 189.925	1.4445	3.2716	3.6272
Sr 216.596	7.7024	7.7883	6.9076
Ti 334.941	2.5220	2.5066	2.3740
Tl 190.794	-5.3661u	0.7761	-4.4711u
V 292.401	1.8316	1.4661	1.7352
Zn 206.200	12.7072	9.4357	8.9094

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1175	ppb	0.2778	236.5	-36.9411
Al 308.215	248.198	ppb	1.4264	0.6	447.970
As 188.980	-0.7642	ppb	3.6156	473.1	-10.8052
B 249.678	-30.6292	ppb	0.5563	1.8	151.485
Ba 389.178	25.6411	ppb	1.4490	5.7	437.102
Be 313.042	0.0998	ppb	0.0068	6.8	-163.373
Ca 370.602	783.4	ppb	2.237	0.3	1846
Cd 226.502	-0.1817	ppb	0.1748	96.2	29.5632
Co 228.615	1.5067	ppb	0.1920	12.7	5.6936
Cr 267.716	0.3825	ppb	0.2081	54.4	-17.4040
Cu 324.754	3.6281	ppb	0.2918	8.0	313.697
Fe 271.441	82.8253	ppb	4.0995	4.9	148.513
K 766.491	588.880	ppb	1.6078	0.3	16206.4
Mg 279.078	580.356	ppb	2.5900	0.4	1084.76
Mn 257.610	13.3848	ppb	0.0049	0.0	2818.85
Mo 202.032	-1.1439	ppb	0.0262	2.3	13.5665
Na 330.237	1332.23	ppb	35.9381	2.7	110.552
Ni 231.604	1.4592	ppb	0.3686	25.3	-4.1377
Pb 220.353	-0.7549	ppb	1.8689	247.6	32.3929
Sb 206.834	-1.8452	ppb	3.4633	187.7	-2.2761
Se 196.026	1.3564	ppb	5.5188	406.9	9.9944
Sn 189.925	2.7811	ppb	1.1711	42.1	-6.3554
Sr 216.596	7.4661	ppb	0.4856	6.5	85.3950
Ti 334.941	2.4675	ppb	0.0814	3.3	511.514
Tl 190.794	-3.0204	ppb	3.3182	109.9	-12.8875
V 292.401	1.6776	ppb	0.1894	11.3	32.0506
Zn 206.200	10.3507	ppb	2.0576	19.9	12.3814

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Cont Calib Verif (CCV) 4/24/2013, 9:18:39 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	484.936	490.059	488.378
Al 308.215	4933.04	4931.00	4948.35
As 188.980	500.433	491.389	489.062
B 249.678	472.765	474.339	477.072
Ba 389.178	5121.00	5108.10	5089.63
Be 313.042	521.046	517.886	516.502
Ca 370.602	4979	4962	4962
Cd 226.502	514.627	514.252	514.572
Co 228.615	518.945	519.538	516.654
Cr 267.716	5147.48	5141.65	5152.45
Cu 324.754	4820.19	5127.55	5113.24
Fe 271.441	4934.83	4917.02	4918.38
K 766.491	10072.6	10009.5	9988.59
Mg 279.078	4982.17	4972.11	4965.57
Mn 257.610	5178.02	5193.61	5154.87
Mo 202.032	491.921	491.879	493.103
Na 330.237	7243.61	7496.10	7317.18
Ni 231.604	2598.90	2601.28	2603.98
Pb 220.353	497.875	498.045	494.474
Sb 206.834	945.640	956.390	951.769
Se 196.026	4956.40	4956.22	4956.18
Sn 189.925	5023.15	5019.20	5019.66
Sr 216.596	2507.89	2506.13	2510.72
Ti 334.941	497.838	496.664	495.853
Tl 190.794	5008.21	5022.28	5008.39
V 292.401	4960.49	4949.69	4930.86
Zn 206.200	2584.24	2555.28	2574.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.791	ppb	2.6115	0.5	31835.3	97.55812
Al 308.215	4937.46	ppb	9.4813	0.2	9523.65	98.74923
As 188.980	493.628	ppb	6.0069	1.2	194.667	98.72560
B 249.678	474.725	ppb	2.1795	0.5	5562.41	18.98902Q
Ba 389.178	5106.24	ppb	15.7688	0.3	93111.7	102.12483
Be 313.042	518.478	ppb	2.3289	0.4	799792	103.69556
Ca 370.602	4968	ppb	9.941	0.2	11656	99.35251
Cd 226.502	514.484	ppb	0.2026	0.0	15697.8	102.89677
Co 228.615	518.379	ppb	1.5229	0.3	4476.03	103.67587
Cr 267.716	5147.19	ppb	5.4061	0.1	141808	102.94384
Cu 324.754	5020.33	ppb	173.468	3.5	234075	100.40653
Fe 271.441	4923.41	ppb	9.9144	0.2	7281.04	98.46812
K 766.491	10023.6	ppb	43.7436	0.4	272773	100.23566
Mg 279.078	4973.28	ppb	8.3610	0.2	8975.24	99.46568
Mn 257.610	5175.50	ppb	19.4932	0.4	1069468	103.50997
Mo 202.032	492.301	ppb	0.6947	0.1	3082.18	98.46026
Na 330.237	7352.30	ppb	129.852	1.8	327.951	98.03061
Ni 231.604	2601.39	ppb	2.5439	0.1	5989.48	104.05548
Pb 220.353	496.798	ppb	2.0142	0.4	675.447	99.35962
Sb 206.834	951.266	ppb	5.3928	0.6	902.753	95.12661
Se 196.026	4956.27	ppb	0.1184	0.0	2154.31	99.12531
Sn 189.925	5020.67	ppb	2.1589	0.0	3183.44	100.41344
Sr 216.596	2508.25	ppb	2.3157	0.1	21314.2	100.32988
Ti 334.941	496.785	ppb	0.9983	0.2	108152	99.35704
Tl 190.794	5012.96	ppb	8.0715	0.2	4117.75	100.25921
V 292.401	4947.01	ppb	14.9974	0.3	113668	98.94028
Zn 206.200	2571.29	ppb	14.7205	0.6	2398.25	102.85175

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Cont Calib Blank (CCB) 4/24/2013, 9:24:14 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2244	0.1337	-0.0205u
Al 308.215	0.7374	1.7995	-3.0292u
As 188.980	3.8126	6.5152	0.8087
B 249.678	-24.8455u	-26.0888u	-27.8311u
Ba 389.178	-0.1268u	1.2807	1.1210
Be 313.042	-0.0019u	0.0039	0.0048
Ca 370.602	4.796	8.119	1.310
Cd 226.502	-0.0171u	0.0613	-0.0920u
Co 228.615	0.5684	-0.5946u	0.4115
Cr 267.716	-0.1050u	0.0647	0.0530
Cu 324.754	0.8060	-0.2526u	0.1081
Fe 271.441	0.2273	-6.0629u	-0.1593u
K 766.491	-0.6906u	-1.6127u	-0.3327u
Mg 279.078	4.8186	-2.4804u	-2.0338u
Mn 257.610	-0.0803u	-0.0837u	-0.0888u
Mo 202.032	-1.2055u	-1.1423u	-1.2463u
Na 330.237	65.5097	-80.0890u	-312.666u
Ni 231.604	1.9825	2.1357	-0.3426u
Pb 220.353	-3.7546u	-2.2182u	-1.4354u
Sb 206.834	-0.5747u	-2.0406u	0.2615
Se 196.026	3.9612	2.4123	4.6112
Sn 189.925	-3.6789u	-0.3794u	0.8186
Sr 216.596	-0.7201u	0.0185	-0.3176u
Ti 334.941	-0.0261u	-0.0728u	-0.0470u
Tl 190.794	-1.6698u	-3.9385u	2.5279
V 292.401	0.0447	-0.0762u	-0.1547u
Zn 206.200	-3.3364u	-0.8885u	-0.1564u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1125	ppb	0.1238	110.0	-21.6358	0.11254
Al 308.215	-0.1641	ppb	2.5374	1546.2	-33.1139	-0.16410
As 188.980	3.7121	ppb	2.8546	76.9	-8.9448	3.71215
B 249.678	-26.2551	ppb	1.4997	5.7	198.448	-26.25513
Ba 389.178	0.7583	ppb	0.7706	101.6	-17.9478	0.75830
Be 313.042	0.0023	ppb	0.0036	157.7	-313.934	0.00230
Ca 370.602	4.742	ppb	3.405	71.8	8.449	4.74176
Cd 226.502	-0.0159	ppb	0.0766	481.5	34.3611	-0.01592
Co 228.615	0.1284	ppb	0.6310	491.4	-6.2545	0.12843
Cr 267.716	0.0043	ppb	0.0948	2223.5	-27.8805	0.00426
Cu 324.754	0.2205	ppb	0.5382	244.1	154.887	0.22052
Fe 271.441	-1.9983	ppb	3.5253	176.4	25.1894	-1.99827
K 766.491	-0.8786	ppb	0.6604	75.2	168.474	-0.87864
Mg 279.078	0.1014	ppb	4.0913	4033.1	33.3011	0.10144
Mn 257.610	-0.0843	ppb	0.0043	5.1	32.5972	-0.08427
Mo 202.032	-1.1980	ppb	0.0524	4.4	13.2353	-1.19801
Na 330.237	-109.082	ppb	190.747	174.9	54.1528	-109.08167
Ni 231.604	1.2585	ppb	1.3887	110.3	-4.6018	1.25854
Pb 220.353	-2.4694	ppb	1.1798	47.8	30.1795	-2.46938
Sb 206.834	-0.7846	ppb	1.1653	148.5	-1.3209	-0.78462
Se 196.026	3.6616	ppb	1.1297	30.9	10.9881	3.66155
Sn 189.925	-1.0799	ppb	2.3291	215.7	-8.8104	-1.07987
Sr 216.596	-0.3397	ppb	0.3698	108.9	18.9045	-0.33974
Ti 334.941	-0.0486	ppb	0.0234	48.0	-38.2968	-0.04865
Tl 190.794	-1.0268	ppb	3.2808	319.5	-11.2259	-1.02681
V 292.401	-0.0621	ppb	0.1005	161.8	-8.0470	-0.06208
Zn 206.200	-1.4604	ppb	1.6653	314.0	515.3348	-1.46043

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680-89361-a-3-c (Samp) 4/24/2013, 9:29:49 PM Rack 2, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0782u	0.2543	0.1173
Al 308.215	9.3540	7.8215	2.2923
As 188.980	9.6469	-4.0418u	-6.5159u
B 249.678	-32.8856u	-33.4322u	-33.7951u
Ba 389.178	0.3016	-0.2023u	0.6238
Be 313.042	0.0069	-0.0001u	-0.0025u
Ca 370.602	8.892	4.933	5.719
Cd 226.502	-0.0957u	-0.1273u	-0.4162u
Co 228.615	-0.4203u	0.3555	0.2812
Cr 267.716	-0.0392u	0.4309	0.1486
Cu 324.754	-0.2634u	-0.7649u	-0.1921u
Fe 271.441	-2.0130u	-1.0733u	0.3075
K 766.491	0.3478	-0.0661u	-0.0435u
Mg 279.078	-1.2821u	5.4621	0.4014
Mn 257.610	-0.0337u	0.0125	-0.0223u
Mo 202.032	-1.7540u	-0.7247u	-1.2416u
Na 330.237	-146.383u	-202.474u	-28.0607u
Ni 231.604	2.0733	0.9469	0.6603
Pb 220.353	-3.9028u	-1.4528u	0.9176
Sb 206.834	-1.9499u	-5.2055u	-1.5837u
Se 196.026	-2.6596u	-2.2374u	2.4530
Sn 189.925	-4.7195u	2.4800	2.3588
Sr 216.596	-0.1623u	0.5949	0.5892
Ti 334.941	-0.0619u	-0.1724u	-0.0667u
Tl 190.794	0.3931	-3.8896u	-0.4324u
V 292.401	-0.1642u	-0.0657u	-0.1328u
Zn 206.200	1.8861	1.8143	3.0231

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0978	ppb	0.1671	170.9	-22.6213
Al 308.215	6.4893	ppb	3.7146	57.2	-20.2236
As 188.980	-0.3036	ppb	8.7058	2867.7	-10.6142
B 249.678	-33.3710	ppb	0.4578	1.4	122.183
Ba 389.178	0.2410	ppb	0.4164	172.8	-27.3780
Be 313.042	0.0014	ppb	0.0049	342.2	-315.292
Ca 370.602	6.515	ppb	2.096	32.2	12.62
Cd 226.502	-0.2131	ppb	0.1766	82.9	28.3663
Co 228.615	0.0722	ppb	0.4281	593.1	-6.7405
Cr 267.716	0.1801	ppb	0.2367	131.4	-23.0323
Cu 324.754	-0.4068	ppb	0.3122	76.7	125.655
Fe 271.441	-0.9263	ppb	1.1672	126.0	26.7842
K 766.491	0.0794	ppb	0.2327	293.1	194.527
Mg 279.078	1.5271	ppb	3.5102	229.9	35.8830
Mn 257.610	-0.0145	ppb	0.0241	166.2	47.0213
Mo 202.032	-1.2401	ppb	0.5147	41.5	12.9729
Na 330.237	-125.640	ppb	89.0380	70.9	53.4901
Ni 231.604	1.2269	ppb	0.7469	60.9	-4.6748
Pb 220.353	-1.4793	ppb	2.4103	162.9	31.4591
Sb 206.834	-2.9131	ppb	1.9938	68.4	-3.2437
Se 196.026	-0.8147	ppb	2.8377	348.3	9.0520
Sn 189.925	0.0398	ppb	4.1220	10366.7	-8.0986
Sr 216.596	0.3406	ppb	0.4355	127.9	24.6994
Ti 334.941	-0.1004	ppb	0.0625	62.2	-49.5537
Tl 190.794	-1.3097	ppb	2.2721	173.5	-11.4590
V 292.401	-0.1209	ppb	0.0503	41.6	-9.4170
Zn 206.200	2.2412	ppb	0.6781	30.3	4.7967

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680-89361-a-4-c (Samp) 4/24/2013, 9:35:34 PM Rack 2, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3584	-0.2129u	-0.3719u
Al 308.215	323.391	326.565	327.376
As 188.980	3.5628	6.1722	1.1297
B 249.678	-29.0056u	-29.7396u	-29.9163u
Ba 389.178	21.9158	22.9190	23.5090
Be 313.042	0.0515	0.0524	0.0585
Ca 370.602	869.3	867.1	866.4
Cd 226.502	-0.1311u	-0.4005u	-0.2402u
Co 228.615	0.3988	0.1608	-0.6880u
Cr 267.716	0.8733	0.7417	0.8087
Cu 324.754	1.0696	2.1891	2.1558
Fe 271.441	282.383	290.841	286.507
K 766.491	796.740	792.173	791.378
Mg 279.078	381.225	385.668	385.939
Mn 257.610	12.1452	12.1003	12.2249
Mo 202.032	-1.4904u	-1.5252u	-1.3600u
Na 330.237	736.838	582.099	732.854
Ni 231.604	-0.0467u	0.7774	1.5771
Pb 220.353	0.2915	-2.8169u	0.1944
Sb 206.834	2.3742	1.0440	-3.7931u
Se 196.026	-2.1821u	0.7483	-3.5052u
Sn 189.925	3.8766	-0.2188u	-0.7435u
Sr 216.596	6.7486	7.3327	7.2975
Ti 334.941	1.2919	1.2408	1.2862
Tl 190.794	-3.3428u	-6.1676u	-4.0923u
V 292.401	2.5630	2.5297	3.2235
Zn 206.200	4.0860	3.8509	7.2207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0755	ppb	0.3840	508.8	-34.2073
Al 308.215	325.778	ppb	2.1059	0.6	598.223
As 188.980	3.6216	ppb	2.5217	69.6	-8.9805
B 249.678	-29.5538	ppb	0.4829	1.6	162.788
Ba 389.178	22.7813	ppb	0.8055	3.5	384.779
Be 313.042	0.0541	ppb	0.0038	7.0	-233.851
Ca 370.602	867.6	ppb	1.514	0.2	2032
Cd 226.502	-0.2573	ppb	0.1355	52.7	27.9210
Co 228.615	-0.0428	ppb	0.5713	1335.0	-7.7050
Cr 267.716	0.8079	ppb	0.0658	8.1	-5.6670
Cu 324.754	1.8048	ppb	0.6369	35.3	228.768
Fe 271.441	286.577	ppb	4.2294	1.5	444.043
K 766.491	793.430	ppb	2.8936	0.4	21768.9
Mg 279.078	384.277	ppb	2.6465	0.7	729.406
Mn 257.610	12.1568	ppb	0.0631	0.5	2564.60
Mo 202.032	-1.4586	ppb	0.0871	6.0	11.5936
Na 330.237	683.931	ppb	88.2108	12.9	85.1314
Ni 231.604	0.7693	ppb	0.8119	105.5	-5.7244
Pb 220.353	-0.7770	ppb	1.7673	227.4	32.3644
Sb 206.834	-0.1250	ppb	3.2456	2597.3	-0.7112
Se 196.026	-1.6463	ppb	2.1767	132.2	8.6964
Sn 189.925	0.9715	ppb	2.5296	260.4	-7.5059
Sr 216.596	7.1263	ppb	0.3275	4.6	82.6014
Ti 334.941	1.2730	ppb	0.0280	2.2	250.794
Tl 190.794	-4.5343	ppb	1.4633	32.3	-14.1429
V 292.401	2.7721	ppb	0.3913	14.1	57.2990
Zn 206.200	5.0525	ppb	1.8813	37.2	74254

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680-89361-a-5-c (Samp) 4/24/2013, 9:41:10 PM Rack 2, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2493u	0.0879	-0.3845u
Al 308.215	1690.75	1561.11	1730.03
As 188.980	0.3433	-2.8816u	0.2338
B 249.678	-31.8730u	-33.1662u	-32.9456u
Ba 389.178	20.5826	20.4138	21.0088
Be 313.042	0.1323	0.1224	0.1345
Ca 370.602	6973	6507	7130
Cd 226.502	-0.1924	-0.2986	-0.2593
Co 228.615	5.2021	4.9274	3.7268
Cr 267.716	3.8276	3.6494	3.9357
Cu 324.754	6.0564	5.1002	5.6491
Fe 271.441	5885.17	5461.81	6003.50
K 766.491	2294.72	2135.06	2306.95
Mg 279.078	9936.86	9259.60	10127.1
Mn 257.610	418.254	392.709	425.154
Mo 202.032	-1.0191u	-0.6024u	-0.9510u
Na 330.237	4496.39	4009.27	4342.58
Ni 231.604	4.9041	5.7428	5.7551
Pb 220.353	2.6814	-3.1124u	-1.1638u
Sb 206.834	-0.8983u	-4.1823u	-1.0571u
Se 196.026	-0.6666u	7.2680	1.5139
Sn 189.925	0.4456	1.1378	-0.5451u
Sr 216.596	44.2013	41.0035	45.2768
Ti 334.941	19.9160	18.5545	20.4505
Tl 190.794	-4.3730u	-1.3792u	0.3047u
V 292.401	5.0569	4.9533	5.1567
Zn 206.200	9.1941	6.7726	9.1285

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1820	ppb	0.2433	133.7	-41.8591
Al 308.215	1660.63	ppb	88.3937	5.3	3183.91
As 188.980	-0.7682	ppb	1.8311	238.4	-10.7693
B 249.678	-32.6616	ppb	0.6918	2.1	123.599
Ba 389.178	20.6684	ppb	0.3067	1.5	371.786
Be 313.042	0.1297	ppb	0.0064	5.0	-116.324
Ca 370.602	6870	ppb	323.9	4.7	15907
Cd 226.502	-0.2501	ppb	0.0537	21.5	45.4128
Co 228.615	4.6188	ppb	0.7846	17.0	32.7604
Cr 267.716	3.8042	ppb	0.1446	3.8	78.6955
Cu 324.754	5.6019	ppb	0.4798	8.6	407.237
Fe 271.441	5783.49	ppb	284.799	4.9	8422.22
K 766.491	2245.58	ppb	95.9064	4.3	61258.6
Mg 279.078	9774.51	ppb	455.950	4.7	17743.9
Mn 257.610	412.039	ppb	17.0924	4.1	85252.2
Mo 202.032	-0.8575	ppb	0.2235	26.1	15.1002
Na 330.237	4282.74	ppb	249.014	5.8	224.799
Ni 231.604	5.4673	ppb	0.4878	8.9	5.2065
Pb 220.353	-0.5316	ppb	2.9482	554.6	32.7217
Sb 206.834	-2.0459	ppb	1.8519	90.5	-2.3145
Se 196.026	2.7051	ppb	4.0992	151.5	10.6933
Sn 189.925	0.3461	ppb	0.8459	244.4	-7.9007
Sr 216.596	43.4939	ppb	2.2228	5.1	394.199
Ti 334.941	19.6403	ppb	0.9776	5.0	4283.23
Tl 190.794	-1.8158	ppb	2.3692	130.5	-12.6160
V 292.401	5.0556	ppb	0.1017	2.0	109.984
Zn 206.200	8.3651	ppb	1.3795	16.5	10.5182

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680-89361-a-6-c (Samp)

4/24/2013, 9:46:45 PM

Rack 2, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9161u	-1.4697u	-1.7875u
Al 308.215	19084.9	17799.2	22030.8
As 188.980	5.6421	16.5475	15.0361
B 249.678	-33.3884u	-34.3408u	-33.5059u
Ba 389.178	277.699	256.269	315.777
Be 313.042	4.7695	4.4508	5.4587
Ca 370.602	17204	16097	19524
Cd 226.502	1.6566	1.1415	2.5529
Co 228.615	35.7019	33.1939	39.3222
Cr 267.716	27.5755	25.7891	31.1008
Cu 324.754	171.559	156.952	200.332
Fe 271.441	43211.1	40095.8	49476.3
K 766.491	17957.9	17209.6	19714.9
Mg 279.078	19015.1	17733.5	21771.5
Mn 257.610	999.479	929.556	1139.54
Mo 202.032	-0.7688u	-0.6707u	-1.0736u
Na 330.237	3603.15	2881.42	3691.74
Ni 231.604	32.2750	30.7629	37.7489
Pb 220.353	46.1478	40.7152	57.4613
Sb 206.834	-0.9866	-5.4936u	-4.9369u
Se 196.026	-4.1880u	-7.6217u	-4.8255u
Sn 189.925	1.5233	2.9775	0.8598
Sr 216.596	98.0956	91.2475	111.929
Ti 334.941	75.4307	70.1076	86.4699
Tl 190.794	-3.9632u	1.1686u	-2.8800u
V 292.401	68.8402	63.4799	77.8701
Zn 206.200	540.328	511.625	624.701

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7244	ppb	0.2298	13.3	-147.428
Al 308.215	19638.3	ppb	2169.38	11.0	38007.1
As 188.980	12.4086	ppb	5.9084	47.6	-5.0386
B 249.678	-33.7450	ppb	0.5193	1.5	70.8644
Ba 389.178	283.248	ppb	30.1399	10.6	5223.36
Be 313.042	4.8930	ppb	0.5151	10.5	7237.00
Ca 370.602	17609	ppb	1749	9.9	39000
Cd 226.502	1.7837	ppb	0.7142	40.0	227.624
Co 228.615	36.0727	ppb	3.0810	8.5	304.590
Cr 267.716	28.1552	ppb	2.7029	9.6	756.288
Cu 324.754	176.281	ppb	22.0722	12.5	8371.41
Fe 271.441	44261.1	ppb	4777.58	10.8	64268.9
K 766.491	18294.1	ppb	1286.09	7.0	497683
Mg 279.078	19506.7	ppb	2063.37	10.6	35376.5
Mn 257.610	1022.86	ppb	106.927	10.5	211607
Mo 202.032	-0.8377	ppb	0.2101	25.1	13.4588
Na 330.237	3392.10	ppb	444.477	13.1	177.586
Ni 231.604	33.5956	ppb	3.6755	10.9	70.7567
Pb 220.353	48.1081	ppb	8.5434	17.8	95.4243
Sb 206.834	-3.8057	ppb	2.4572	64.6	-2.8608
Se 196.026	-5.5451	ppb	1.8264	32.9	7.4544
Sn 189.925	1.7869	ppb	1.0832	60.6	-6.9823
Sr 216.596	100.424	ppb	10.5355	10.5	891.472
Ti 334.941	77.3361	ppb	8.3459	10.8	16883.4
Tl 190.794	-1.8916	ppb	2.7049	143.0	-15.0061
V 292.401	70.0634	ppb	7.2727	10.4	1607.74
Zn 206.200	558.885	ppb	58.7778	10.5	525.376

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680-89361-a-7-c (Samp)

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Rack 2, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1728u	-0.1268u	0.0775
Al 308.215	528.019	531.483	528.610
As 188.980	1.0379	-3.7367u	-3.0567u
B 249.678	-32.1431u	-32.6381u	-32.7516u
Ba 389.178	45.2084	44.1809	45.3204
Be 313.042	0.1576	0.1504	0.1491
Ca 370.602	903.4	892.2	892.4
Cd 226.502	-0.0831u	-0.1011u	-0.0358
Co 228.615	0.4746	1.3904	0.4738
Cr 267.716	1.0662	0.5161	0.6680
Cu 324.754	3.2163	3.4925	3.0121
Fe 271.441	403.590	392.718	388.465
K 766.491	1043.12	1032.49	1027.71
Mg 279.078	855.277	846.315	844.393
Mn 257.610	19.3779	19.3383	19.1320
Mo 202.032	-1.5850u	-0.9660u	-0.5995u
Na 330.237	2749.32	2539.16	2467.54
Ni 231.604	1.7259	0.3664	2.5910
Pb 220.353	-0.5830u	0.9351	0.9797
Sb 206.834	-4.5395u	-0.4142u	-0.9926u
Se 196.026	1.0249	-0.4627u	-3.8024u
Sn 189.925	-1.0197u	-0.6761u	3.3399
Sr 216.596	10.4397	10.6248	10.4153
Ti 334.941	5.0394	5.2716	5.0385
Tl 190.794	-6.7202u	-0.5168u	-5.5407u
V 292.401	4.2329	4.3903	4.3489
Zn 206.200	6.1060	7.2956	5.4104

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0740	ppb	0.1332	179.9	-34.2089
Al 308.215	529.371	ppb	1.8528	0.4	992.613
As 188.980	-1.9185	ppb	2.5828	134.6	-11.2830
B 249.678	-32.5109	ppb	0.3236	1.0	130.981
Ba 389.178	44.9032	ppb	0.6280	1.4	789.278
Be 313.042	0.1523	ppb	0.0046	3.0	-82.5392
Ca 370.602	896.0	ppb	6.425	0.7	2094
Cd 226.502	-0.0733	ppb	0.0337	46.0	33.8472
Co 228.615	0.7796	ppb	0.5290	67.9	-0.5476
Cr 267.716	0.7501	ppb	0.2841	37.9	-7.2133
Cu 324.754	3.2403	ppb	0.2411	7.4	295.698
Fe 271.441	394.924	ppb	7.8002	2.0	601.400
K 766.491	1034.44	ppb	7.8881	0.8	28323.0
Mg 279.078	848.662	ppb	5.8093	0.7	1570.96
Mn 257.610	19.2828	ppb	0.1320	0.7	4039.67
Mo 202.032	-1.0502	ppb	0.4981	47.4	14.1329
Na 330.237	2585.34	ppb	146.458	5.7	159.605
Ni 231.604	1.5611	ppb	1.1214	71.8	-3.8970
Pb 220.353	0.4440	ppb	0.8896	200.4	33.9386
Sb 206.834	-1.9821	ppb	2.2336	112.7	-2.3941
Se 196.026	-1.0801	ppb	2.4721	228.9	8.9434
Sn 189.925	0.5480	ppb	2.4240	442.3	-7.7746
Sr 216.596	10.4933	ppb	0.1146	1.1	111.250
Ti 334.941	5.1165	ppb	0.1343	2.6	1089.17
Tl 190.794	-4.2592	ppb	3.2943	77.3	-13.9286
V 292.401	4.3240	ppb	0.0816	1.9	93.0040
Zn 206.200	6.2707	ppb	0.9533	15.2	85648

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680-89361-a-7-cSD^5 (Samp) 4/24/2013, 9:57:54 PM Rack 2, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0453u	0.1492	-0.1857u
Al 308.215	106.120	111.069	112.129
As 188.980	6.0959	-3.9235u	4.4566
B 249.678	-36.3213u	-36.2582u	-35.5946u
Ba 389.178	9.3079	9.7610	9.2509
Be 313.042	0.0279	0.0208	0.0186
Ca 370.602	190.3	186.8	189.8
Cd 226.502	0.0978	-0.2457u	-0.1469u
Co 228.615	0.1467	0.4310	0.3249
Cr 267.716	0.2803	-0.1994u	0.5184
Cu 324.754	0.2923	0.3823	0.4678
Fe 271.441	76.7945	82.8959	81.1044
K 766.491	211.013	208.672	208.364
Mg 279.078	174.912	172.070	176.083
Mn 257.610	3.9189	3.8151	3.8461
Mo 202.032	-1.8498u	-1.3232u	-1.0236u
Na 330.237	498.958	493.579	558.536
Ni 231.604	0.8199	1.6482	2.3392
Pb 220.353	2.2366	4.5613	-1.0015u
Sb 206.834	2.0023	-3.4672u	1.3835
Se 196.026	-7.5607u	2.1904	2.1532
Sn 189.925	-0.2005u	-3.2121u	-0.9397u
Sr 216.596	1.7722	1.8682	2.3711
Ti 334.941	0.8055	0.8262	0.8712
Tl 190.794	-3.7369u	-1.2941u	-7.5244u
V 292.401	0.5525	0.6838	0.7433
Zn 206.200	-0.0582u	1.8153	0.3709

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0273	ppb	0.1681	616.2	-30.8578
Al 308.215	109.773	ppb	3.2077	2.9	179.829
As 188.980	2.2097	ppb	5.3743	243.2	-9.5688
B 249.678	-36.0580	ppb	0.4026	1.1	93.3016
Ba 389.178	9.4399	ppb	0.2795	3.0	140.816
Be 313.042	0.0224	ppb	0.0048	21.6	-282.874
Ca 370.602	189.0	ppb	1.933	1.0	439.7
Cd 226.502	-0.0983	ppb	0.1769	180.0	32.0991
Co 228.615	0.3009	ppb	0.1436	47.7	-4.7469
Cr 267.716	0.1998	ppb	0.3656	183.0	-22.4674
Cu 324.754	0.3808	ppb	0.0878	23.0	162.367
Fe 271.441	80.2649	ppb	3.1361	3.9	144.606
K 766.491	209.350	ppb	1.4485	0.7	5885.42
Mg 279.078	174.355	ppb	2.0639	1.2	349.061
Mn 257.610	3.8600	ppb	0.0532	1.4	848.681
Mo 202.032	-1.3989	ppb	0.4183	29.9	11.9782
Na 330.237	517.024	ppb	36.0506	7.0	78.6688
Ni 231.604	1.6024	ppb	0.7607	47.5	-3.8076
Pb 220.353	1.9321	ppb	2.7939	144.6	35.8676
Sb 206.834	-0.0271	ppb	2.9952	11039.2	-0.6340
Se 196.026	-1.0724	ppb	5.6191	524.0	8.9418
Sn 189.925	-1.4508	ppb	1.5695	108.2	-9.0459
Sr 216.596	2.0038	ppb	0.3217	16.1	38.8796
Ti 334.941	0.8343	ppb	0.0336	4.0	154.533
Tl 190.794	-4.1851	ppb	3.1393	75.0	-13.8371
V 292.401	0.6598	ppb	0.0976	14.8	8.6230
Zn 206.200	0.7093	ppb	0.9815	138.4	3.3643

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680-89361-a-7-cPDS (Samp) **4/24/2013, 10:03:30 PM** **Rack 2, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.3702	51.0462	49.5746
Al 308.215	2603.61	2629.90	2632.67
As 188.980	2159.81	2151.20	2174.20
B 249.678	987.130	989.935	990.093
Ba 389.178	2186.63	2181.45	2175.16
Be 313.042	54.0292	53.9791	53.7760
Ca 370.602	6044	6062	6045
Cd 226.502	54.2319	54.0292	53.7331
Co 228.615	544.743	546.598	545.962
Cr 267.716	213.779	216.081	216.035
Cu 324.754	267.366	269.559	266.683
Fe 271.441	1413.08	1405.80	1406.93
K 766.491	6313.99	6280.13	6250.04
Mg 279.078	6060.71	6060.20	6017.55
Mn 257.610	570.889	569.640	567.258
Mo 202.032	522.228	526.379	521.391
Na 330.237	8045.03	8070.52	7787.09
Ni 231.604	538.330	536.109	532.163
Pb 220.353	513.404	521.662	509.950
Sb 206.834	489.560	490.265	485.974
Se 196.026	2045.28	2065.73	2038.37
Sn 189.925	1053.09	1046.90	1059.68
Sr 216.596	544.640	545.770	544.430
Ti 334.941	1031.36	1033.00	1031.16
Tl 190.794	2132.24	2137.01	2125.28
V 292.401	520.252	518.521	516.621
Zn 206.200	548.878	533.760	538.398

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.3303	ppb	0.7366	1.5	3247.49
Al 308.215	2622.06	ppb	16.0337	0.6	5066.66
As 188.980	2161.74	ppb	11.6194	0.5	888.102
B 249.678	989.053	ppb	1.6667	0.2	11078.5
Ba 389.178	2181.08	ppb	5.7470	0.3	39759.4
Be 313.042	53.9281	ppb	0.1341	0.2	82842.9
Ca 370.602	6050	ppb	10.34	0.2	14377
Cd 226.502	53.9981	ppb	0.2508	0.5	1681.70
Co 228.615	545.768	ppb	0.9424	0.2	4712.40
Cr 267.716	215.298	ppb	1.3159	0.6	5905.10
Cu 324.754	267.869	ppb	1.5025	0.6	12637.2
Fe 271.441	1408.61	ppb	3.9185	0.3	2148.69
K 766.491	6281.39	ppb	31.9915	0.5	171008
Mg 279.078	6046.15	ppb	24.7714	0.4	10983.3
Mn 257.610	569.262	ppb	1.8446	0.3	117708
Mo 202.032	523.333	ppb	2.6713	0.5	3283.01
Na 330.237	7967.55	ppb	156.801	2.0	361.216
Ni 231.604	535.534	ppb	3.1235	0.6	1227.07
Pb 220.353	515.005	ppb	6.0177	1.2	697.975
Sb 206.834	488.600	ppb	2.3007	0.5	436.819
Se 196.026	2049.79	ppb	14.2291	0.7	896.144
Sn 189.925	1053.22	ppb	6.3910	0.6	661.397
Sr 216.596	544.947	ppb	0.7207	0.1	4636.77
Ti 334.941	1031.84	ppb	1.0121	0.1	224651
Tl 190.794	2131.51	ppb	5.8981	0.3	1746.27
V 292.401	518.465	ppb	1.8158	0.4	11858.4
Zn 206.200	540.345	ppb	7.7445	1.4	507.695

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89361-a-7-d ms (Samp) 4/24/2013, 10:09:06 PM Rack 2, Tube 10**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.8703	10.0264	9.8286
Al 308.215	5935.78	5912.33	5949.78
As 188.980	118.689	110.171	108.024
B 249.678	190.213	188.041	188.576
Ba 389.178	151.314	150.263	150.821
Be 313.042	55.0589	54.6780	54.9549
Ca 370.602	5935	5910	5940
Cd 226.502	54.9273	54.6335	54.2731
Co 228.615	55.0946	55.4750	54.8807
Cr 267.716	108.903	109.046	110.467
Cu 324.754	112.860	109.311	108.719
Fe 271.441	5527.53	5489.14	5522.26
K 766.491	6249.59	6195.26	6212.94
Mg 279.078	6016.41	5970.41	6009.00
Mn 257.610	573.785	569.611	571.649
Mo 202.032	102.489	102.417	103.537
Na 330.237	8030.21	8122.35	8071.74
Ni 231.604	109.865	109.939	108.017
Pb 220.353	54.3124	54.8792	52.4316
Sb 206.834	46.8108	47.9498	49.3735
Se 196.026	100.095	105.550	105.789
Sn 189.925	210.415	204.388	205.371
Sr 216.596	115.893	115.668	116.270
Ti 334.941	107.483	106.706	107.298
Tl 190.794	33.5384	34.3640	36.8379
V 292.401	109.289	108.334	108.664
Zn 206.200	114.718	112.333	113.052

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9084	ppb	0.1043	1.1	616.836
Al 308.215	5932.63	ppb	18.9236	0.3	11463.0
As 188.980	112.295	ppb	5.6404	5.0	36.2126
B 249.678	188.944	ppb	1.1316	0.6	2498.96
Ba 389.178	150.799	ppb	0.5256	0.3	2737.32
Be 313.042	54.8972	ppb	0.1969	0.4	84406.0
Ca 370.602	5928	ppb	15.84	0.3	13713
Cd 226.502	54.6113	ppb	0.3277	0.6	1713.04
Co 228.615	55.1501	ppb	0.3010	0.5	468.376
Cr 267.716	109.472	ppb	0.8646	0.8	2990.44
Cu 324.754	110.297	ppb	2.2394	2.0	5287.96
Fe 271.441	5512.98	ppb	20.8125	0.4	8037.24
K 766.491	6219.27	ppb	27.7090	0.4	169319
Mg 279.078	5998.61	ppb	24.6964	0.4	10897.0
Mn 257.610	571.682	ppb	2.0872	0.4	118218
Mo 202.032	102.815	ppb	0.6270	0.6	661.385
Na 330.237	8074.77	ppb	46.1433	0.6	372.375
Ni 231.604	109.274	ppb	1.0887	1.0	244.505
Pb 220.353	53.8744	ppb	1.2813	2.4	102.857
Sb 206.834	48.0447	ppb	1.2840	2.7	43.0140
Se 196.026	103.811	ppb	3.2205	3.1	54.4583
Sn 189.925	206.725	ppb	3.2337	1.6	123.292
Sr 216.596	115.944	ppb	0.3042	0.3	1006.04
Ti 334.941	107.162	ppb	0.4056	0.4	23325.5
Tl 190.794	34.9134	ppb	1.7170	4.9	17.5088
V 292.401	108.763	ppb	0.4852	0.4	2478.69
Zn 206.200	113.367	ppb	1.2332	1.1	108.535

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680-89361-a-7-e msd (Samp) **4/24/2013, 10:14:42 PM** **Rack 2, Tube 11****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.1764	9.9840	9.4603
Al 308.215	5971.36	5969.85	6010.36
As 188.980	110.355	109.255	100.761
B 249.678	175.470	174.420	175.585
Ba 389.178	149.172	148.957	148.490
Be 313.042	53.6610	53.5169	53.6182
Ca 370.602	5811	5814	5837
Cd 226.502	53.4795	53.3737	53.2015
Co 228.615	53.6487	54.1478	54.9934
Cr 267.716	106.398	106.799	107.660
Cu 324.754	105.994	107.255	108.181
Fe 271.441	5640.15	5640.80	5642.82
K 766.491	6127.85	6094.39	6106.69
Mg 279.078	5882.10	5896.27	5895.88
Mn 257.610	559.483	558.839	557.599
Mo 202.032	99.5820	100.166	100.822
Na 330.237	7764.72	7730.10	7795.97
Ni 231.604	106.051	105.349	106.825
Pb 220.353	49.3349	51.2040	48.6063
Sb 206.834	49.9589	42.2962	48.2207
Se 196.026	98.2787	94.7791	102.925
Sn 189.925	201.836	203.462	201.322
Sr 216.596	112.871	113.280	114.156
Ti 334.941	105.398	105.813	105.827
Tl 190.794	35.3079	43.7597	39.4442
V 292.401	107.575	107.441	107.137
Zn 206.200	114.132	114.236	114.701

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8736	ppb	0.3706	3.8	614.553
Al 308.215	5983.85	ppb	22.9645	0.4	11562.1
As 188.980	106.790	ppb	5.2505	4.9	33.9257
B 249.678	175.158	ppb	0.6420	0.4	2351.08
Ba 389.178	148.873	ppb	0.3485	0.2	2702.11
Be 313.042	53.5987	ppb	0.0740	0.1	82402.0
Ca 370.602	5821	ppb	14.36	0.2	13450
Cd 226.502	53.3516	ppb	0.1404	0.3	1675.13
Co 228.615	54.2633	ppb	0.6797	1.3	460.747
Cr 267.716	106.953	ppb	0.6449	0.6	2921.00
Cu 324.754	107.143	ppb	1.0981	1.0	5140.98
Fe 271.441	5641.26	ppb	1.3898	0.0	8223.25
K 766.491	6109.64	ppb	16.9246	0.3	166338
Mg 279.078	5891.42	ppb	8.0730	0.1	10702.9
Mn 257.610	558.640	ppb	0.9577	0.2	115523
Mo 202.032	100.190	ppb	0.6201	0.6	645.016
Na 330.237	7763.60	ppb	32.9464	0.4	360.160
Ni 231.604	106.075	ppb	0.7382	0.7	237.133
Pb 220.353	49.7150	ppb	1.3399	2.7	97.4815
Sb 206.834	46.8253	ppb	4.0175	8.6	41.9160
Se 196.026	98.6609	ppb	4.0862	4.1	52.2285
Sn 189.925	202.207	ppb	1.1172	0.6	120.419
Sr 216.596	113.436	ppb	0.6562	0.6	984.854
Ti 334.941	105.679	ppb	0.2442	0.2	23002.3
Tl 190.794	39.5039	ppb	4.2262	10.7	21.3031
V 292.401	107.384	ppb	0.2245	0.2	2447.45
Zn 206.200	114.357	ppb	0.3029	0.3	519.464

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640-43152-c-1-a (Samp) 4/24/2013, 10:20:18 PM Rack 2, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1479	0.1961	0.3976
Al 308.215	4.8866	1.2838	3.6480
As 188.980	6.3610	3.0598	8.9574
B 249.678	-5.0775u	-6.1149u	-5.7148u
Ba 389.178	6.1211	4.9126	5.0356
Be 313.042	0.0081	0.0082	0.0091
Ca 370.602	1280	1284	1289
Cd 226.502	-0.0031	0.0541	-0.2202u
Co 228.615	-0.3190u	-0.1063u	-1.0012u
Cr 267.716	-0.0762u	0.4024	0.0598
Cu 324.754	-0.3335u	-0.8448u	-0.5560u
Fe 271.441	85.5068	86.9337	93.4442
K 766.491	647.761	652.190	651.213
Mg 279.078	2475.04	2496.41	2484.52
Mn 257.610	6.9903	7.0465	7.0631
Mo 202.032	-1.0358u	-1.6148u	-0.9517u
Na 330.237	20522.4	20835.5	20646.5
Ni 231.604	0.5869	-0.5972u	2.3753
Pb 220.353	-3.0672u	0.4350	-3.0443u
Sb 206.834	-2.3463u	2.4218	-0.4292u
Se 196.026	1.6160	7.6250	2.9323
Sn 189.925	-2.7903u	-0.2252u	3.2600
Sr 216.596	17.1764	16.7281	17.1963
Ti 334.941	-0.1905u	-0.1744u	-0.0765u
Tl 190.794	-1.9616u	-3.4215u	-1.9926u
V 292.401	-0.1057u	-0.1948u	0.0807
Zn 206.200	-1.2045u	-1.7912u	-0.7063u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2472	ppb	0.1325	53.6	-13.5311
Al 308.215	3.2728	ppb	1.8305	55.9	-26.4505
As 188.980	6.1261	ppb	2.9558	48.2	-7.9407
B 249.678	-5.6357	ppb	0.5232	9.3	419.346
Ba 389.178	5.3565	ppb	0.6651	12.4	71.1278
Be 313.042	0.0085	ppb	0.0005	6.3	-305.973
Ca 370.602	1284	ppb	4.438	0.3	3030
Cd 226.502	-0.0564	ppb	0.1447	256.5	33.3377
Co 228.615	-0.4755	ppb	0.4675	98.3	-11.4739
Cr 267.716	0.1286	ppb	0.2466	191.7	-24.2264
Cu 324.754	-0.5781	ppb	0.2564	44.3	117.697
Fe 271.441	88.6282	ppb	4.2313	4.8	156.719
K 766.491	650.388	ppb	2.3270	0.4	17879.0
Mg 279.078	2485.32	ppb	10.7093	0.4	4537.60
Mn 257.610	7.0333	ppb	0.0382	0.5	1516.36
Mo 202.032	-1.2008	ppb	0.3610	30.1	13.2143
Na 330.237	20668.1	ppb	157.643	0.8	868.503
Ni 231.604	0.7883	ppb	1.4964	189.8	-5.6842
Pb 220.353	-1.8922	ppb	2.0154	106.5	30.9266
Sb 206.834	-0.1179	ppb	2.3993	2034.8	-0.7190
Se 196.026	4.0578	ppb	3.1586	77.8	11.1615
Sn 189.925	0.0815	ppb	3.0368	3726.2	-8.0664
Sr 216.596	17.0336	ppb	0.2648	1.6	166.847
Ti 334.941	-0.1471	ppb	0.0617	41.9	-52.1477
Tl 190.794	-2.4586	ppb	0.8341	33.9	-12.4185
V 292.401	-0.0732	ppb	0.1406	191.9	-8.4286
Zn 206.200	-1.2340	ppb	0.5430	44.0	-515.5466

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Cont Calib Verif (CCV) 4/24/2013, 10:25:54 PM Rack 2, Tube 13

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	487.315	484.970	488.849
Al 308.215	4859.13	4879.28	4885.66
As 188.980	502.999	495.408	512.792
B 249.678	477.855	482.108	480.250
Ba 389.178	5079.90	5101.57	5079.92
Be 313.042	516.949	518.427	517.207
Ca 370.602	4939	4971	4941
Cd 226.502	515.495	517.660	515.235
Co 228.615	520.029	521.065	517.939
Cr 267.716	5084.21	5111.78	5115.70
Cu 324.754	4975.13	5025.13	5073.82
Fe 271.441	4931.62	4937.61	4934.85
K 766.491	9942.26	9953.98	9906.14
Mg 279.078	4980.91	4994.31	4977.60
Mn 257.610	5180.50	5184.03	5173.43
Mo 202.032	491.078	490.742	492.040
Na 330.237	7267.54	7318.73	7209.16
Ni 231.604	2611.97	2618.02	2607.37
Pb 220.353	494.335	493.205	488.397
Sb 206.834	950.624	948.961	947.242
Se 196.026	4988.62	4994.92	4949.59
Sn 189.925	4994.37	5013.45	4940.14
Sr 216.596	2499.01	2509.72	2499.87
Ti 334.941	493.135	494.955	493.990
Tl 190.794	5031.68	5052.47	5005.97
V 292.401	4939.38	4948.16	4935.12
Zn 206.200	2591.96	2604.25	2582.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.045	ppb	1.9533	0.4	31786.0	97.40893
Al 308.215	4874.69	ppb	13.8465	0.3	9402.11	97.49378
As 188.980	503.733	ppb	8.7151	1.7	198.868	100.74660
B 249.678	480.071	ppb	2.1321	0.4	5619.68	19.20284Q
Ba 389.178	5087.13	ppb	12.5083	0.2	92763.2	101.74258
Be 313.042	517.528	ppb	0.7895	0.2	798326	103.50558
Ca 370.602	4950	ppb	18.08	0.4	11614	99.00625
Cd 226.502	516.130	ppb	1.3313	0.3	15747.9	103.22600
Co 228.615	519.678	ppb	1.5923	0.3	4487.25	103.93555
Cr 267.716	5103.90	ppb	17.1594	0.3	140615	102.07796
Cu 324.754	5024.69	ppb	49.3459	1.0	234278	100.49385
Fe 271.441	4934.70	ppb	2.9995	0.1	7297.52	98.69391
K 766.491	9934.12	ppb	24.9359	0.3	270341	99.34124
Mg 279.078	4984.27	ppb	8.8488	0.2	8995.11	99.68547
Mn 257.610	5179.32	ppb	5.3983	0.1	1070258	103.58645
Mo 202.032	491.287	ppb	0.6738	0.1	3075.86	98.25737
Na 330.237	7265.14	ppb	54.8243	0.8	324.448	96.86855
Ni 231.604	2612.45	ppb	5.3440	0.2	6014.99	104.49812
Pb 220.353	491.979	ppb	3.1530	0.6	669.219	98.39584
Sb 206.834	948.942	ppb	1.6911	0.2	900.766	94.89420
Se 196.026	4977.71	ppb	24.5573	0.5	2163.59	99.55418
Sn 189.925	4982.65	ppb	38.0320	0.8	3159.27	99.65308
Sr 216.596	2502.87	ppb	5.9471	0.2	21268.3	100.11469
Ti 334.941	494.027	ppb	0.9109	0.2	107552	98.80531
Tl 190.794	5030.04	ppb	23.2959	0.5	4131.82	100.60080
V 292.401	4940.89	ppb	6.6525	0.1	113526	98.81778
Zn 206.200	2592.92	ppb	10.8782	0.4	2418.46	103.71691

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Blank (CCB) 4/24/2013, 10:31:28 PM Rack 2, Tube 14
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0716	0.1953	-0.5550u
Al 308.215	0.8598	-2.1567u	0.6200
As 188.980	1.1925	8.2724	-2.1994u
B 249.678	-23.9068u	-24.8684u	-24.9528u
Ba 389.178	-0.1957u	0.5272	1.1062
Be 313.042	0.0086	0.0097	-0.0017u
Ca 370.602	4.531	0.1424	6.346
Cd 226.502	-0.3035u	-0.0344u	-0.0138u
Co 228.615	0.0533	-0.4629u	-0.6732u
Cr 267.716	0.0882	0.3065	0.3615
Cu 324.754	-0.3545u	-0.1378u	-0.6191u
Fe 271.441	-3.6274u	0.6821	-1.1693u
K 766.491	-0.5725u	-0.6592u	0.0106
Mg 279.078	0.8425	1.9592	1.8571
Mn 257.610	-0.0049u	-0.0169u	0.0089
Mo 202.032	-0.2786u	-1.1977u	-0.6427u
Na 330.237	-126.851u	-170.700u	-278.488u
Ni 231.604	0.1175	1.3069	0.4859
Pb 220.353	-0.6014u	-0.9508u	-0.4873u
Sb 206.834	1.6687	5.8809	0.3333
Se 196.026	4.7379	1.6751	0.8743
Sn 189.925	2.2517	-0.7132u	-0.7984u
Sr 216.596	0.0113	0.4083	0.3542
Ti 334.941	-0.0995u	-0.1375u	-0.0095u
Tl 190.794	-1.6048u	1.2866	-5.0249u
V 292.401	-0.2168u	-0.4392u	-0.0514u
Zn 206.200	-0.1852u	0.2913	-1.5043u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0960	ppb	0.4022	418.9	-35.2778	-0.09603
Al 308.215	-0.2256	ppb	1.6766	743.1	-33.2026	-0.22564
As 188.980	2.4218	ppb	5.3431	220.6	-9.4813	2.42183
B 249.678	-24.5760	ppb	0.5811	2.4	216.445	-24.57603
Ba 389.178	0.4792	ppb	0.6523	136.1	-23.0334	0.47923
Be 313.042	0.0055	ppb	0.0063	114.4	-309.033	0.00553
Ca 370.602	3.673	ppb	3.190	86.8	5.964	3.67326
Cd 226.502	-0.1172	ppb	0.1616	137.9	31.2770	-0.11724
Co 228.615	-0.3609	ppb	0.3738	103.6	-10.4965	-0.36092
Cr 267.716	0.2521	ppb	0.1445	57.3	-21.0496	0.25208
Cu 324.754	-0.3705	ppb	0.2410	65.1	127.365	-0.37045
Fe 271.441	-1.3715	ppb	2.1619	157.6	26.0727	-1.37155
K 766.491	-0.4070	ppb	0.3643	89.5	181.299	-0.40702
Mg 279.078	1.5529	ppb	0.6174	39.8	35.9305	1.55294
Mn 257.610	-0.0043	ppb	0.0129	299.0	49.1225	-0.00430
Mo 202.032	-0.7063	ppb	0.4628	65.5	16.3015	-0.70631
Na 330.237	-192.013	ppb	78.0331	40.6	50.9112	-192.01308
Ni 231.604	0.6368	ppb	0.6089	95.6	-6.0352	0.63678
Pb 220.353	-0.6798	ppb	0.2415	35.5	32.4920	-0.67982
Sb 206.834	2.6276	ppb	2.8954	110.2	1.7552	2.62763
Se 196.026	2.4291	ppb	2.0392	83.9	10.4550	2.42908
Sn 189.925	0.2467	ppb	1.7369	704.0	-7.9671	0.24670
Sr 216.596	0.2580	ppb	0.2153	83.5	23.9747	0.25796
Ti 334.941	-0.0822	ppb	0.0657	80.0	-45.5888	-0.08216
Tl 190.794	-1.7811	ppb	3.1594	177.4	-11.8481	-1.78106
V 292.401	-0.2358	ppb	0.1946	82.5	-12.1702	-0.23579
Zn 206.200	-0.4661	ppb	0.9302	199.6	2.2644	-0.46608

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

640-43152-c-1-B MS (Samp) 4/24/2013, 10:37:03 PM Rack 2, Tube 15**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0411u	0.2062	-0.2412u
Al 308.215	47.4493	51.2996	50.5920
As 188.980	3.0602	-4.6369u	10.1676
B 249.678	-6.0526u	-6.9712u	-11.7162u
Ba 389.178	7.1839	5.9517	5.8942
Be 313.042	0.5261	0.5333	0.4828
Ca 370.602	1347	1357	1196
Cd 226.502	0.3151	0.4743	0.4640
Co 228.615	0.6097	0.4212	-0.3018u
Cr 267.716	0.8151	1.3503	1.3921
Cu 324.754	1.1551	0.6228	0.7037
Fe 271.441	145.909	142.991	129.561
K 766.491	711.205	711.376	623.567
Mg 279.078	2588.62	2594.87	2271.54
Mn 257.610	12.4518	12.5561	11.0359
Mo 202.032	0.3855	0.1633	-0.2523u
Na 330.237	21035.8	20833.2	18412.0
Ni 231.604	3.3296	2.0051	2.7545
Pb 220.353	-1.5071u	2.4252	-0.6392u
Sb 206.834	5.0212	4.0242	3.8635
Se 196.026	6.4037	-2.8540u	0.9443
Sn 189.925	2.3300	-1.4851u	2.7659
Sr 216.596	18.3721	18.0044	15.6830
Ti 334.941	0.8591	0.8137	0.7662
Tl 190.794	0.3575	-2.6740u	-2.1930u
V 292.401	0.4926	1.3331	1.4382
Zn 206.200	-0.8501u	-1.3952u	-1.1380u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0254	ppb	0.2241	883.6	-31.3515
Al 308.215	49.7803	ppb	2.0495	4.1	63.6853
As 188.980	2.8637	ppb	7.4042	258.6	-9.2968
B 249.678	-8.2466	ppb	3.0396	36.9	391.310
Ba 389.178	6.3432	ppb	0.7286	11.5	89.1839
Be 313.042	0.5141	ppb	0.0273	5.3	474.305
Ca 370.602	1300	ppb	90.41	7.0	3065
Cd 226.502	0.4178	ppb	0.0891	21.3	47.9187
Co 228.615	0.2430	ppb	0.4812	198.0	-5.2827
Cr 267.716	1.1858	ppb	0.3217	27.1	4.9156
Cu 324.754	0.8272	ppb	0.2868	34.7	183.223
Fe 271.441	139.487	ppb	8.7191	6.3	230.562
K 766.491	682.049	ppb	50.6472	7.4	18740.0
Mg 279.078	2485.01	ppb	184.897	7.4	4536.96
Mn 257.610	12.0146	ppb	0.8492	7.1	2545.72
Mo 202.032	0.0988	ppb	0.3237	327.6	21.3138
Na 330.237	20093.7	ppb	1459.88	7.3	845.971
Ni 231.604	2.6964	ppb	0.6642	24.6	-1.2846
Pb 220.353	0.0930	ppb	2.0659	2222.0	33.4910
Sb 206.834	4.3030	ppb	0.6272	14.6	3.2741
Se 196.026	1.4980	ppb	4.6536	310.7	10.0556
Sn 189.925	1.2036	ppb	2.3386	194.3	-7.3533
Sr 216.596	17.3532	ppb	1.4581	8.4	169.524
Ti 334.941	0.8130	ppb	0.0465	5.7	156.921
Tl 190.794	-1.5032	ppb	1.6292	108.4	-11.6390
V 292.401	1.0880	ppb	0.5182	47.6	18.0927
Zn 206.200	-1.1278	ppb	0.2727	24.2	515.6441

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640-43152-c-1-C MSD (Samp) 4/24/2013, 10:42:38 PM Rack 2, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0987u	-0.0070u	0.1688
Al 308.215	58.2634	57.0531	57.6381
As 188.980	10.4827	7.5682	1.1716
B 249.678	-7.6235u	-8.3502u	-8.2116u
Ba 389.178	5.2171	6.1704	6.0098
Be 313.042	0.5108	0.5130	0.5136
Ca 370.602	1367	1350	1361
Cd 226.502	0.4212	0.4165	0.6709
Co 228.615	0.2712	0.3053	0.2738
Cr 267.716	1.4038	1.3809	1.4208
Cu 324.754	0.2906	0.7720	0.2446
Fe 271.441	136.927	135.228	136.995
K 766.491	720.834	707.795	713.642
Mg 279.078	2621.53	2577.61	2598.44
Mn 257.610	12.6042	12.3556	12.4397
Mo 202.032	-0.5834u	0.1388	0.0628
Na 330.237	21597.4	21074.5	21482.7
Ni 231.604	1.7382	1.7143	0.8718
Pb 220.353	-1.9287u	-3.2257u	-0.4809u
Sb 206.834	-5.4477u	-1.6557u	-3.5865u
Se 196.026	1.5191	8.1515	-2.2234u
Sn 189.925	-1.4194u	2.3164	2.7276
Sr 216.596	18.2663	17.5743	18.6358
Ti 334.941	0.8389	0.7805	0.8290
Tl 190.794	-5.6047u	-7.3441u	-4.5130u
V 292.401	0.7659	0.6880	0.7206
Zn 206.200	4.0677	4.3029	4.0140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0210	ppb	0.1360	646.8	-28.3573
Al 308.215	57.6516	ppb	0.6053	1.0	78.9308
As 188.980	6.4075	ppb	4.7628	74.3	-7.8236
B 249.678	-8.0618	ppb	0.3858	4.8	393.287
Ba 389.178	5.7991	ppb	0.5104	8.8	79.5000
Be 313.042	0.5124	ppb	0.0015	0.3	471.729
Ca 370.602	1359	ppb	8.575	0.6	3204
Cd 226.502	0.5028	ppb	0.1455	28.9	50.5156
Co 228.615	0.2834	ppb	0.0190	6.7	-4.9311
Cr 267.716	1.4018	ppb	0.0200	1.4	10.8831
Cu 324.754	0.4357	ppb	0.2921	67.0	164.981
Fe 271.441	136.384	ppb	1.0012	0.7	226.095
K 766.491	714.090	ppb	6.5310	0.9	19611.3
Mg 279.078	2599.19	ppb	21.9667	0.8	4743.90
Mn 257.610	12.4665	ppb	0.1265	1.0	2639.70
Mo 202.032	-0.1273	ppb	0.3969	311.8	19.9045
Na 330.237	21384.9	ppb	274.820	1.3	896.555
Ni 231.604	1.4415	ppb	0.4934	34.2	-4.1776
Pb 220.353	-1.8784	ppb	1.3731	73.1	30.9429
Sb 206.834	-3.5633	ppb	1.8961	53.2	-3.8313
Se 196.026	2.4824	ppb	5.2541	211.7	10.4815
Sn 189.925	1.2082	ppb	2.2848	189.1	-7.3500
Sr 216.596	18.1588	ppb	0.5389	3.0	176.404
Ti 334.941	0.8161	ppb	0.0312	3.8	157.937
Tl 190.794	-5.8206	ppb	1.4278	24.5	-15.1988
V 292.401	0.7248	ppb	0.0391	5.4	9.7289
Zn 206.200	4.1282	ppb	0.1537	3.7	6.5599

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1323u	0.1751	0.1548
Al 308.215	-2.4633u	-1.8964u	-0.3091u
As 188.980	-0.3649u	4.2809	3.2429
B 249.678	-16.1971u	-17.3103u	-16.0377u
Ba 389.178	5.8032	6.4971	5.3919
Be 313.042	-0.0060u	-0.0045u	-0.0065u
Ca 370.602	1520	1546	1545
Cd 226.502	-0.2414u	-0.2412u	-0.3318u
Co 228.615	-0.3880u	-0.1481u	-0.1283u
Cr 267.716	0.6610	0.0277	0.1635
Cu 324.754	-0.6676u	-0.2515u	-0.0823u
Fe 271.441	98.9400	96.0608	94.2969
K 766.491	525.822	531.726	530.582
Mg 279.078	2033.93	2053.70	2048.26
Mn 257.610	2.2136	2.2875	2.5402
Mo 202.032	-1.4212u	-1.7460u	-1.4127u
Na 330.237	11749.9	11822.6	12067.6
Ni 231.604	0.5036	2.1187	2.9963
Pb 220.353	-2.2044u	2.0554	0.1000
Sb 206.834	-3.1811u	-7.1357u	0.5473
Se 196.026	-0.7257u	-0.1058u	-11.4860u
Sn 189.925	0.7999	1.0273	1.2497
Sr 216.596	14.9900	14.9865	15.2762
Ti 334.941	-0.1757u	-0.1518u	-0.0422u
Tl 190.794	-1.7590u	-6.9967u	-1.5632u
V 292.401	-0.1344u	0.0327	-0.0869u
Zn 206.200	-1.1221u	-1.2478u	0.5909

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0659	ppb	0.1719	261.0	-25.3440
Al 308.215	-1.5563	ppb	1.1167	71.8	-35.8268
As 188.980	2.3863	ppb	2.4385	102.2	-9.4952
B 249.678	-16.5150	ppb	0.6933	4.2	302.735
Ba 389.178	5.8974	ppb	0.5586	9.5	80.0958
Be 313.042	-0.0057	ppb	0.0010	17.9	-326.909
Ca 370.602	1537	ppb	14.40	0.9	3627
Cd 226.502	-0.2715	ppb	0.0522	19.2	26.8626
Co 228.615	-0.2215	ppb	0.1445	65.3	-9.2682
Cr 267.716	0.2841	ppb	0.3334	117.4	-20.0349
Cu 324.754	-0.3338	ppb	0.3012	90.2	129.072
Fe 271.441	96.4325	ppb	2.3438	2.4	168.015
K 766.491	529.377	ppb	3.1312	0.6	14588.3
Mg 279.078	2045.30	ppb	10.2139	0.5	3740.13
Mn 257.610	2.3471	ppb	0.1713	7.3	545.851
Mo 202.032	-1.5266	ppb	0.1900	12.4	11.1820
Na 330.237	11880.0	ppb	166.439	1.4	524.045
Ni 231.604	1.8729	ppb	1.2644	67.5	-3.1838
Pb 220.353	-0.0163	ppb	2.1323	13049.9	33.3510
Sb 206.834	-3.2565	ppb	3.8420	118.0	-3.5474
Se 196.026	-4.1058	ppb	6.3989	155.8	7.6295
Sn 189.925	1.0257	ppb	0.2249	21.9	-7.4684
Sr 216.596	15.0842	ppb	0.1663	1.1	150.289
Ti 334.941	-0.1232	ppb	0.0712	57.8	-48.0015
Tl 190.794	-3.4397	ppb	3.0820	89.6	-13.2220
V 292.401	-0.0629	ppb	0.0861	136.9	-8.0634
Zn 206.200	-0.5930	ppb	1.0272	173.2	2.1459

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mb 680-273820/1-a (Samp) 4/24/2013, 10:53:47 PM Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1546u	-0.1367u	-0.1354u
Al 308.215	-1.3262u	-1.7574u	-1.0437u
As 188.980	5.7884	-0.0155u	4.3205
B 249.678	-33.2488u	-33.7284u	-32.6345u
Ba 389.178	0.6908	-0.0499u	-0.5353u
Be 313.042	-0.0081u	-0.0119u	-0.0038u
Ca 370.602	8.289	1.634	0.1038
Cd 226.502	0.0295	-0.1182u	-0.1358u
Co 228.615	-0.6497u	0.3905	0.4476
Cr 267.716	0.0690	0.0746	-0.1659u
Cu 324.754	-0.2753u	-0.0735u	0.4728
Fe 271.441	2.3618	-3.1108u	-0.9113u
K 766.491	-0.6353u	0.3388	-0.1631u
Mg 279.078	0.7419	-5.7336u	4.0040
Mn 257.610	-0.1176u	-0.1295u	-0.1350u
Mo 202.032	-1.7204u	-1.3890u	-1.1776u
Na 330.237	-28.8638u	-258.264u	138.090
Ni 231.604	0.8404	-0.2669u	0.1513
Pb 220.353	0.3021	0.9578	2.6283
Sb 206.834	-6.2216u	-3.5310u	-4.9372u
Se 196.026	-0.0920u	-7.8769u	2.2473
Sn 189.925	2.1048	-0.8696u	-1.5184u
Sr 216.596	-0.5911u	-0.3205u	0.4018
Ti 334.941	-0.1464u	-0.1356u	-0.1106u
Tl 190.794	-0.9064u	-2.0886u	-0.7569u
V 292.401	-0.0699u	-0.1698u	-0.2213u
Zn 206.200	0.2851	-2.3961u	-1.0353u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1422	ppb	0.0107	7.5	-38.3094
Al 308.215	-1.3758	ppb	0.3594	26.1	-35.4678
As 188.980	3.3645	ppb	3.0178	89.7	-9.0893
B 249.678	-33.2039	ppb	0.5483	1.7	123.972
Ba 389.178	0.0352	ppb	0.6175	1754.9	-31.1354
Be 313.042	-0.0079	ppb	0.0040	50.8	-329.715
Ca 370.602	3.342	ppb	4.352	130.2	5.025
Cd 226.502	-0.0748	ppb	0.0908	121.3	32.5746
Co 228.615	0.0628	ppb	0.6177	983.7	-6.8177
Cr 267.716	-0.0074	ppb	0.1373	1858.3	-28.1997
Cu 324.754	0.0413	ppb	0.3870	936.4	146.534
Fe 271.441	-0.5534	ppb	2.7538	497.6	27.3200
K 766.491	-0.1532	ppb	0.4871	317.9	188.202
Mg 279.078	-0.3292	ppb	4.9564	1505.4	32.5211
Mn 257.610	-0.1274	ppb	0.0089	7.0	23.6921
Mo 202.032	-1.4290	ppb	0.2736	19.1	11.7948
Na 330.237	-49.6793	ppb	198.995	400.6	56.4900
Ni 231.604	0.2416	ppb	0.5592	231.4	-6.9461
Pb 220.353	1.2961	ppb	1.1994	92.5	35.0466
Sb 206.834	-4.8966	ppb	1.3457	27.5	-5.0338
Se 196.026	-1.9072	ppb	5.3006	277.9	8.5794
Sn 189.925	-0.0944	ppb	1.9320	2046.2	-8.1839
Sr 216.596	-0.1699	ppb	0.5133	302.1	20.3717
Ti 334.941	-0.1309	ppb	0.0183	14.0	-56.2083
Tl 190.794	-1.2506	ppb	0.7296	58.3	-11.4103
V 292.401	-0.1537	ppb	0.0770	50.1	-10.1360
Zn 206.200	-1.0488	ppb	1.3406	127.8	515.7197

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ics 680-273820/2-a (Samp) 4/24/2013, 10:59:22 PM Rack 2, Tube 19
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	7.3423	7.3740	6.7724
Al 308.215	5278.25	5312.29	5371.01
As 188.980	113.702	107.163	114.802
B 249.678	166.005	167.022	168.876
Ba 389.178	104.675	105.155	106.240
Be 313.042	54.1378	54.2610	54.5642
Ca 370.602	4977	5002	5030
Cd 226.502	54.2171	54.2965	54.4913
Co 228.615	54.6094	53.7091	53.8400
Cr 267.716	107.233	107.755	109.290
Cu 324.754	103.024	105.940	105.289
Fe 271.441	5046.95	5040.11	5091.40
K 766.491	5064.50	5065.93	5103.30
Mg 279.078	5107.00	5120.16	5150.98
Mn 257.610	545.946	546.457	549.302
Mo 202.032	100.751	100.997	101.759
Na 330.237	5174.03	4975.88	5399.96
Ni 231.604	107.131	106.293	108.051
Pb 220.353	52.9649	50.2057	55.3800
Sb 206.834	46.1236	43.1359	47.5838
Se 196.026	96.2369	108.452	93.8499
Sn 189.925	202.490	205.820	206.138
Sr 216.596	105.385	103.835	104.852
Ti 334.941	101.072	101.338	102.331
Tl 190.794	37.0305	38.9337	40.3796
V 292.401	102.997	102.835	103.575
Zn 206.200	103.745	103.473	99.4393

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.1629	ppb	0.3385	4.7	437.603
Al 308.215	5320.52	ppb	46.9269	0.9	10277.3
As 188.980	111.889	ppb	4.1298	3.7	36.0414
B 249.678	167.301	ppb	1.4559	0.9	2267.49
Ba 389.178	105.357	ppb	0.8019	0.8	1906.31
Be 313.042	54.3210	ppb	0.2194	0.4	83517.0
Ca 370.602	5003	ppb	26.55	0.5	11550
Cd 226.502	54.3350	ppb	0.1411	0.3	1703.23
Co 228.615	54.0528	ppb	0.4865	0.9	458.845
Cr 267.716	108.093	ppb	1.0695	1.0	2952.30
Cu 324.754	104.751	ppb	1.5307	1.5	5029.38
Fe 271.441	5059.49	ppb	27.8460	0.6	7378.87
K 766.491	5077.91	ppb	22.0005	0.4	138281
Mg 279.078	5126.05	ppb	22.5709	0.4	9315.88
Mn 257.610	547.235	ppb	1.8086	0.3	113161
Mo 202.032	101.169	ppb	0.5253	0.5	651.152
Na 330.237	5183.29	ppb	212.192	4.1	259.233
Ni 231.604	107.158	ppb	0.8793	0.8	239.620
Pb 220.353	52.8502	ppb	2.5891	4.9	101.542
Sb 206.834	45.6144	ppb	2.2673	5.0	40.8134
Se 196.026	99.5130	ppb	7.8330	7.9	52.5916
Sn 189.925	204.816	ppb	2.0206	1.0	122.077
Sr 216.596	104.691	ppb	0.7873	0.8	910.160
Ti 334.941	101.580	ppb	0.6634	0.7	22107.2
Tl 190.794	38.7813	ppb	1.6798	4.3	20.7437
V 292.401	103.136	ppb	0.3893	0.4	2349.33
Zn 206.200	102.219	ppb	2.4112	2.4	981104

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ics 680-273820/3-a (Samp) 4/24/2013, 11:04:57 PM Rack 2, Tube 20
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	188.685	185.331	192.454
Al 308.215	2102.79	2101.53	2060.13
As 188.980	218.968	216.095	213.232
B 249.678	368.290	365.894	359.910
Ba 389.178	202.418	201.039	196.190
Be 313.042	214.376	212.281	207.665
Ca 370.602	20055	19869	19488
Cd 226.502	211.615	208.510	204.857
Co 228.615	211.999	208.797	205.353
Cr 267.716	210.009	208.757	203.856
Cu 324.754	210.455	205.588	208.674
Fe 271.441	20805.1	20563.4	20102.1
K 766.491	20524.3	20370.2	19766.7
Mg 279.078	20494.1	20292.2	19839.3
Mn 257.610	2169.32	2145.06	2107.97
Mo 202.032	200.571	198.265	194.582
Na 330.237	18616.4	18763.1	17386.8
Ni 231.604	208.821	206.946	203.198
Pb 220.353	202.586	206.687	192.723
Sb 206.834	193.424	189.467	186.444
Se 196.026	211.383	205.673	201.917
Sn 189.925	196.637	198.458	195.048
Sr 216.596	217.747	214.046	209.953
Ti 334.941	199.947	198.002	193.819
Tl 190.794	33.1398	37.1343	39.0166
V 292.401	204.279	202.315	197.093
Zn 206.200	209.901	212.452	208.743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	188.824	ppb	3.5638	1.9	12324.0
Al 308.215	2088.15	ppb	24.2731	1.2	4019.75
As 188.980	216.098	ppb	2.8678	1.3	79.4473
B 249.678	364.698	ppb	4.3158	1.2	4366.59
Ba 389.178	199.882	ppb	3.2715	1.6	3678.99
Be 313.042	211.441	ppb	3.4338	1.6	326032
Ca 370.602	19804	ppb	288.8	1.5	45669
Cd 226.502	208.327	ppb	3.3831	1.6	6435.12
Co 228.615	208.716	ppb	3.3234	1.6	1793.74
Cr 267.716	207.541	ppb	3.2520	1.6	5697.88
Cu 324.754	208.239	ppb	2.4622	1.2	9858.08
Fe 271.441	20490.2	ppb	357.178	1.7	29794.4
K 766.491	20220.4	ppb	400.421	2.0	550066
Mg 279.078	20208.5	ppb	335.342	1.7	36633.5
Mn 257.610	2140.78	ppb	30.8985	1.4	442541
Mo 202.032	197.806	ppb	3.0208	1.5	1252.90
Na 330.237	18255.4	ppb	755.847	4.1	766.884
Ni 231.604	206.322	ppb	2.8625	1.4	468.498
Pb 220.353	200.665	ppb	7.1772	3.6	292.728
Sb 206.834	189.778	ppb	3.5004	1.8	172.182
Se 196.026	206.324	ppb	4.7667	2.3	99.2152
Sn 189.925	196.714	ppb	1.7064	0.9	116.935
Sr 216.596	213.916	ppb	3.8987	1.8	1841.51
Ti 334.941	197.256	ppb	3.1318	1.6	42991.6
Tl 190.794	36.4302	ppb	3.0010	8.2	16.2971
V 292.401	201.229	ppb	3.7144	1.8	4590.35
Zn 206.200	210.365	ppb	1.8980	0.9	199.077

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89400-f-6-b (Samp) **4/24/2013, 11:10:33 PM** **Rack 2, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1281u	-0.3483u	-0.0939u
Al 308.215	245.222	242.571	243.627
As 188.980	3.4796	4.7429	3.2241
B 249.678	3296.92	3306.10	3307.12
Ba 389.178	10.1056	10.0458	10.7770
Be 313.042	0.1575u	0.1588u	0.1688u
Ca 370.602	140548	140728	140226
Cd 226.502	0.5066	0.3454u	0.3507u
Co 228.615	-0.0873u	0.0051	0.8904
Cr 267.716	22.3259	22.7913	23.0731
Cu 324.754	1.1430	1.2752	1.3764
Fe 271.441	107.537	117.307	112.992
K 766.491	316425x	316094x	315026x
Mg 279.078	285759	285021	284481
Mn 257.610	33.5435	33.4127	33.2347
Mo 202.032	1.5723	0.3076	0.5378
Na 330.237	3429007x	3393851x	3407630x
Ni 231.604	7.7815	9.0305	7.5933
Pb 220.353	3.7568	7.7322	0.8447
Sb 206.834	-0.8702u	6.8099	-4.8353u
Se 196.026	11.5656	17.6153	19.6661
Sn 189.925	-8.2605u	-5.9536u	-2.4516u
Sr 216.596	2418.26	2425.06	2414.12
Ti 334.941	1.5132	1.5383	1.5223
Tl 190.794	-12.7456u	-10.1015u	-6.9692u
V 292.401	15.7641	15.7365	15.7345
Zn 206.200	27.5339	25.2236	29.0368

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1901b	ppb	0.1381	72.6	-141.050
Al 308.215	243.807b	ppb	1.3350	0.5	439.485
As 188.980	3.8155b	ppb	0.8133	21.3	-8.9014
B 249.678	3303.38b	ppb	5.6154	0.2	35884.4
Ba 389.178	10.3095b	ppb	0.4060	3.9	744.057
Be 313.042	0.1617b	ppb	0.0062	3.8	-352.319
Ca 370.602	140501b	ppb	254.3	0.2	332306
Cd 226.502	0.4009b	ppb	0.0916	22.8	35.8530
Co 228.615	0.2694b	ppb	0.5398	200.4	-4.7696
Cr 267.716	22.7301b	ppb	0.3774	1.7	631.012
Cu 324.754	1.2649b	ppb	0.1170	9.3	203.513
Fe 271.441	112.612b	ppb	4.8964	4.3	191.782
K 766.491	315848xb	ppb	731.019	0.2	8589369
Mg 279.078	285087b	ppb	641.706	0.2	516743
Mn 257.610	33.3970b	ppb	0.1550	0.5	8423.32
Mo 202.032	0.8059b	ppb	0.6736	83.6	25.7007
Na 330.237	3410163xb	ppb	17714.4	0.5	133721
Ni 231.604	8.1351b	ppb	0.7811	9.6	11.2529
Pb 220.353	4.1112b	ppb	3.4574	84.1	38.6837
Sb 206.834	0.3681b	ppb	5.9205	1608.3	-0.0983
Se 196.026	16.2824b	ppb	4.2116	25.9	16.4565
Sn 189.925	-5.5552b	ppb	2.9248	52.7	-10.7453
Sr 216.596	2419.15b	ppb	5.5239	0.2	20614.3
Ti 334.941	1.5246b	ppb	0.0127	0.8	1113.66
Tl 190.794	-9.9388b	ppb	2.8916	29.1	-18.6213
V 292.401	15.7450b	ppb	0.0165	0.1	336.422
Zn 206.200	27.2648b	ppb	1.9208	7.0	281.578

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680-89400-e-6-b (Samp) 4/24/2013, 11:16:09 PM Rack 2, Tube 22

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4455u	-0.4209u	-0.3971u
Al 308.215	105.376	111.567	108.789
As 188.980	7.0101	-2.5596u	13.2979
B 249.678	3221.13	3230.84	3214.15
Ba 389.178	9.1906	8.7945	9.1719
Be 313.042	0.1526u	0.1497u	0.1491u
Ca 370.602	133915	134686	133672
Cd 226.502	0.5123	0.7185	0.3329u
Co 228.615	-0.0625u	0.7172	0.1934
Cr 267.716	20.9653	21.6786	21.1569
Cu 324.754	0.6816	0.6247	0.4741
Fe 271.441	18.6820	16.7576	23.0883
K 766.491	302687x	304715x	303100x
Mg 279.078	272960	273996	271798
Mn 257.610	31.1918	31.4184	31.0761
Mo 202.032	0.3606	-0.6405u	-1.3459u
Na 330.237	3278492x	3297511x	3262081x
Ni 231.604	8.9053	6.0066	7.3104
Pb 220.353	1.0584	2.1459	7.3585
Sb 206.834	-2.5625u	-6.8918u	-1.2124u
Se 196.026	15.3545	23.8596	6.6382
Sn 189.925	-0.5634	-4.3972u	-0.7290
Sr 216.596	2300.79	2314.91	2294.91
Ti 334.941	0.0313	0.0014	0.0393
Tl 190.794	-6.7430u	-10.3262u	-17.2539u
V 292.401	14.0977	14.7195	14.4349
Zn 206.200	4.7746	5.4436	5.2379

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4212b	ppb	0.0242	5.7	-151.861
Al 308.215	108.578b	ppb	3.1009	2.9	177.479
As 188.980	5.9161b	ppb	7.9851	135.0	-8.0285
B 249.678	3222.04b	ppb	8.3855	0.3	35012.7
Ba 389.178	9.0523b	ppb	0.2235	2.5	695.985
Be 313.042	0.1505b	ppb	0.0019	1.2	-358.504
Ca 370.602	134091b	ppb	529.2	0.4	317152
Cd 226.502	0.5212b	ppb	0.1929	37.0	39.6585
Co 228.615	0.2827b	ppb	0.3974	140.6	-4.6582
Cr 267.716	21.2670b	ppb	0.3692	1.7	589.396
Cu 324.754	0.5935b	ppb	0.1072	18.1	172.170
Fe 271.441	19.5093b	ppb	3.2454	16.6	56.6451
K 766.491	303500xb	ppb	1071.44	0.4	8253589
Mg 279.078	272918b	ppb	1100.01	0.4	494687
Mn 257.610	31.2288b	ppb	0.1742	0.6	7912.31
Mo 202.032	-0.5420b	ppb	0.8575	158.2	17.3024
Na 330.237	3279361xb	ppb	17731.0	0.5	128594
Ni 231.604	7.4074b	ppb	1.4518	19.6	9.5736
Pb 220.353	3.5210b	ppb	3.3676	95.6	37.9244
Sb 206.834	-3.5556b	ppb	2.9671	83.4	-3.6415
Se 196.026	15.2841b	ppb	8.6109	56.3	16.0237
Sn 189.925	-1.8965b	ppb	2.1672	114.3	-8.4555
Sr 216.596	2303.54b	ppb	10.2781	0.4	19630.2
Ti 334.941	0.0240b	ppb	0.0200	83.3	751.810
Tl 190.794	-11.4410b	ppb	5.3434	46.7	-19.8526
V 292.401	14.4174b	ppb	0.3113	2.2	306.860
Zn 206.200	5.1520b	ppb	0.3427	6.7	7.4790

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680-89400-f-7-b (Samp) 4/24/2013, 11:21:45 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4328u	-0.4124u	-1.2052u
Al 308.215	140.742	141.577	145.109
As 188.980	34.1275	33.5022	22.2963
B 249.678	3428.51	3467.14	3500.07
Ba 389.178	80.1891	80.4912	81.7275
Be 313.042	0.1857u	0.1842u	0.1794u
Ca 370.602	225723	226199	229469
Cd 226.502	0.3530u	0.6133	0.5585
Co 228.615	1.8289	0.8259	0.6392
Cr 267.716	36.6418	37.2634	37.5143
Cu 324.754	1.3316	1.3177	1.6069
Fe 271.441	98.2506	86.3128	94.6453
K 766.491	411199x	414214x	418387x
Mg 279.078	331660	334176	336429
Mn 257.610	97.6670	98.6153	99.2570
Mo 202.032	-0.0258u	-1.1661u	-1.3330u
Na 330.237	4296930x	4328364x	4392437x
Ni 231.604	12.6859	13.7809	13.7459
Pb 220.353	4.0599	2.9698	0.8623
Sb 206.834	-4.9342u	-3.7397u	-6.3429u
Se 196.026	4.9645	18.8310	14.8833
Sn 189.925	0.5228	-10.7833u	2.9198
Sr 216.596	4093.29	4132.32	4153.88
Ti 334.941	0.7806	0.7372	0.8657
Tl 190.794	-14.8834u	-7.3663u	-8.9131u
V 292.401	2.4501	1.8311	2.5924
Zn 206.200	10.6847	9.8371	6.2731

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6835b	ppb	0.4520	66.1	-242.616
Al 308.215	142.476b	ppb	2.3186	1.6	243.201
As 188.980	29.9753b	ppb	6.6575	22.2	1.9740
B 249.678	3465.24b	ppb	35.8181	1.0	37619.3
Ba 389.178	80.8026b	ppb	0.8151	1.0	2130.49
Be 313.042	0.1831b	ppb	0.0033	1.8	-381.975
Ca 370.602	227130b	ppb	2039	0.9	537206
Cd 226.502	0.5083b	ppb	0.1373	27.0	35.6308
Co 228.615	1.0980b	ppb	0.6398	58.3	2.5163
Cr 267.716	37.1398b	ppb	0.4492	1.2	1037.22
Cu 324.754	1.4187b	ppb	0.1631	11.5	210.760
Fe 271.441	93.0696b	ppb	6.1229	6.6	163.438
K 766.491	414600xb	ppb	3609.24	0.9	11274833
Mg 279.078	334088b	ppb	2385.34	0.7	605555
Mn 257.610	98.5131b	ppb	0.7999	0.8	22129.9
Mo 202.032	-0.8417b	ppb	0.7114	84.5	15.4502
Na 330.237	4339244xb	ppb	48673.9	1.1	170136
Ni 231.604	13.4042b	ppb	0.6223	4.6	23.3994
Pb 220.353	2.6307b	ppb	1.6256	61.8	36.7845
Sb 206.834	-5.0056b	ppb	1.3031	26.0	-4.7983
Se 196.026	12.8929b	ppb	7.1443	55.4	15.0047
Sn 189.925	-2.4469b	ppb	7.3183	299.1	-8.5065
Sr 216.596	4126.50b	ppb	30.7142	0.7	35146.7
Ti 334.941	0.7945b	ppb	0.0654	8.2	1074.41
Tl 190.794	-10.3876b	ppb	3.9695	38.2	-19.0756
V 292.401	2.2912b	ppb	0.4047	17.7	20.6259
Zn 206.200	8.9316b	ppb	2.3411	26.3	10.9834

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680-89400-e-7-b (Samp) 4/24/2013, 11:27:21 PM Rack 2, Tube 24

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5678u	-0.7975u	-0.5689u
Al 308.215	86.2056	87.0202	88.7838
As 188.980	43.8381	38.8908	29.0182
B 249.678	3305.50	3318.20	3309.15
Ba 389.178	74.6038	74.3317	77.7236
Be 313.042	0.1843u	0.1831u	0.1747u
Ca 370.602	216220	215967	215936
Cd 226.502	0.6347	0.5186	0.6231
Co 228.615	1.6351	1.4642	0.4377
Cr 267.716	36.4737	36.2341	36.1694
Cu 324.754	1.2184	1.0656	1.4532
Fe 271.441	46.5071	56.1571	60.6805
K 766.491	396953x	397447x	397702x
Mg 279.078	317365	317133	317629
Mn 257.610	86.2747	86.3612	86.3272
Mo 202.032	-1.3742u	-1.0803u	-0.6425u
Na 330.237	4102875x	4112378x	4121280x
Ni 231.604	12.7222	13.1221	14.2081
Pb 220.353	3.8853	5.0730	8.0941
Sb 206.834	3.1971	-2.8810u	1.1250
Se 196.026	8.1377	9.1306	11.2832
Sn 189.925	-0.8267	-4.6423u	-1.8665u
Sr 216.596	3916.37	3906.29	3903.32
Ti 334.941	1.2735	1.1907	1.2731
Tl 190.794	-14.0269u	-15.0217u	-16.3822u
V 292.401	2.5616	2.0715	2.1089
Zn 206.200	9.3308	5.4244	6.8691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6447b	ppb	0.1323	20.5	-230.531
Al 308.215	87.3366b	ppb	1.3179	1.5	136.391
As 188.980	37.2490b	ppb	7.5451	20.3	4.9975
B 249.678	3310.95b	ppb	6.5395	0.2	35965.8
Ba 389.178	75.5530b	ppb	1.8847	2.5	2000.05
Be 313.042	0.1807b	ppb	0.0052	2.9	-367.494
Ca 370.602	216041b	ppb	155.9	0.1	510980
Cd 226.502	0.5922b	ppb	0.0639	10.8	38.8378
Co 228.615	1.1790b	ppb	0.6476	54.9	3.2089
Cr 267.716	36.2924b	ppb	0.1603	0.4	1011.67
Cu 324.754	1.2457b	ppb	0.1952	15.7	202.684
Fe 271.441	54.4482b	ppb	7.2396	13.3	107.354
K 766.491	397367xb	ppb	380.804	0.1	10806200
Mg 279.078	317376b	ppb	247.917	0.1	575264
Mn 257.610	86.3210b	ppb	0.0436	0.1	19523.9
Mo 202.032	-1.0323b	ppb	0.3682	35.7	14.2632
Na 330.237	4112178xb	ppb	9203.88	0.2	161236
Ni 231.604	13.3508b	ppb	0.7689	5.8	23.2754
Pb 220.353	5.6841b	ppb	2.1699	38.2	40.7297
Sb 206.834	0.4804b	ppb	3.0899	643.2	0.1471
Se 196.026	9.5171b	ppb	1.6080	16.9	13.5416
Sn 189.925	-2.4451b	ppb	1.9725	80.7	-8.5663
Sr 216.596	3908.66b	ppb	6.8388	0.2	33292.5
Ti 334.941	1.2458b	ppb	0.0477	3.8	1126.36
Tl 190.794	-15.1436b	ppb	1.1824	7.8	-22.9793
V 292.401	2.2473b	ppb	0.2728	12.1	20.9258
Zn 206.200	7.2081b	ppb	1.9752	27.4	9.3736

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Cont Calib Verif (CCV) 4/24/2013, 11:32:57 PM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	452.225	481.719	520.243
Al 308.215	4558.31	4791.64	5215.07
As 188.980	471.574	480.970	519.635
B 249.678	502.641	525.203	569.920
Ba 389.178	4705.32	4944.00	5367.67
Be 313.042	480.760	504.989	551.266
Ca 370.602	4597	4824	5234
Cd 226.502	478.120	499.717	544.940
Co 228.615	478.429	502.148	546.691
Cr 267.716	4780.93	5018.75	5459.85
Cu 324.754	4631.17	4912.98	5405.82
Fe 271.441	4567.29	4796.09	5219.82
K 766.491	9285.03	9777.19	10402.5
Mg 279.078	4639.12	4855.90	5269.71
Mn 257.610	4810.52	5033.98	5485.55
Mo 202.032	455.385	476.636	519.693
Na 330.237	6584.38	7213.35	7712.00
Ni 231.604	2417.28	2541.12	2750.86
Pb 220.353	457.694	482.995	525.411
Sb 206.834	872.236	923.963	1008.97
Se 196.026	4621.94	4834.65	5254.35
Sn 189.925	4545.21	4894.57	5397.91
Sr 216.596	2325.43	2435.41	2646.49
Ti 334.941	457.987	480.686	521.893
Tl 190.794	4618.74	4859.13	5266.95
V 292.401	4580.94	4797.40	5218.61
Zn 206.200	2409.51	2513.12	2720.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.729	ppb	34.1086	7.0	31635.9	96.94582
Al 308.215	4855.00	ppb	332.935	6.9	9364.02	97.10007
As 188.980	490.727	ppb	25.4725	5.2	193.462	98.14533
B 249.678	532.588	ppb	34.2421	6.4	6182.62	21.30352Q
Ba 389.178	5005.67	ppb	335.451	6.7	91277.3	100.11330
Be 313.042	512.338	ppb	35.8225	7.0	790319	102.46769
Ca 370.602	4885	ppb	323.1	6.6	11460	97.69506
Cd 226.502	507.593	ppb	34.0989	6.7	15488.0	101.51852
Co 228.615	509.089	ppb	34.6566	6.8	4395.73	101.81788
Cr 267.716	5086.51	ppb	344.494	6.8	140136	101.73016
Cu 324.754	4983.32	ppb	392.090	7.9	232351	99.66647
Fe 271.441	4861.07	ppb	331.082	6.8	7188.93	97.22136
K 766.491	9821.56	ppb	560.034	5.7	267280	98.21560
Mg 279.078	4921.58	ppb	320.382	6.5	8882.44	98.43156
Mn 257.610	5110.02	ppb	343.878	6.7	1055938	102.20038
Mo 202.032	483.905	ppb	32.7645	6.8	3029.96	96.78098
Na 330.237	7169.91	ppb	565.066	7.9	321.010	95.59883
Ni 231.604	2569.75	ppb	168.621	6.6	5916.56	102.79017
Pb 220.353	488.700	ppb	34.2173	7.0	664.986	97.74001
Sb 206.834	935.056	ppb	69.0385	7.4	887.566	93.50561
Se 196.026	4903.65	ppb	321.800	6.6	2131.54	98.07299
Sn 189.925	4945.90	ppb	428.662	8.7	3135.90	98.91795
Sr 216.596	2469.11	ppb	163.160	6.6	20981.9	98.76430
Ti 334.941	486.855	ppb	32.3968	6.7	105990	97.37108
Tl 190.794	4914.94	ppb	327.690	6.7	4036.99	98.29884
V 292.401	4865.65	ppb	324.268	6.7	111798	97.31302
Zn 206.200	2547.60	ppb	158.172	6.2	2376.21	101.90385

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Cont Calib Blank (CCB) 4/24/2013, 11:38:32 PM Rack 2, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3048u	-0.1759u	0.1430
Al 308.215	5.4541	-0.9236u	3.2573
As 188.980	6.5747	3.6026	1.7542
B 249.678	4.1312	4.0857	1.2200
Ba 389.178	0.8617	-0.0224u	-0.4256u
Be 313.042	0.0185	0.0022	0.0066
Ca 370.602	2.493	4.585	2.453
Cd 226.502	-0.2206u	-0.2178u	-0.2971u
Co 228.615	-0.3291u	-0.2206u	-1.6631u
Cr 267.716	0.6210	-0.0296u	-0.1303u
Cu 324.754	-0.7040u	-0.5189u	-0.4692u
Fe 271.441	-1.6676u	0.1103	1.4316
K 766.491	0.0815	1.9678	1.5431
Mg 279.078	-1.2591u	3.8328	1.9077
Mn 257.610	0.0135	-0.0408u	0.0021
Mo 202.032	-1.4523u	-1.0485u	-0.6170u
Na 330.237	-364.692u	24.4818	-105.493u
Ni 231.604	0.2756	1.2362	0.4078
Pb 220.353	-4.4511u	-2.6325u	1.9937
Sb 206.834	1.3014	-6.9916u	-3.9081u
Se 196.026	0.7142	-4.3447u	6.5258
Sn 189.925	-1.8704u	4.0352	2.6827
Sr 216.596	-0.2043u	-0.0935u	-0.4821u
Ti 334.941	-0.0782u	-0.0483u	-0.0289u
Tl 190.794	4.1047	-2.0328u	-3.9158u
V 292.401	0.2781	0.0752	-0.2053u
Zn 206.200	-3.5896u	-0.4474u	-1.6225u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1126	ppb	0.2305	204.8	-36.3722	-0.11257
Al 308.215	2.5959	ppb	3.2399	124.8	-27.7593	2.59592
As 188.980	3.9772	ppb	2.4320	61.1	-8.8346	3.97718
B 249.678	3.1456	ppb	1.6678	53.0	513.553	3.14562
Ba 389.178	0.1379	ppb	0.6585	477.5	-29.2602	0.13790
Be 313.042	0.0091	ppb	0.0084	92.6	-303.499	0.00908
Ca 370.602	3.177	ppb	1.220	38.4	4.815	3.17709
Cd 226.502	-0.2451	ppb	0.0450	18.4	27.3864	-0.24515
Co 228.615	-0.7376	ppb	0.8033	108.9	-13.7367	-0.73759
Cr 267.716	0.1537	ppb	0.4078	265.4	-23.7619	0.15369
Cu 324.754	-0.5641	ppb	0.1237	21.9	118.327	-0.56407
Fe 271.441	-0.0419	ppb	1.5552	3709.7	27.9459	-0.04192
K 766.491	1.1975	ppb	0.9895	82.6	224.932	1.19748
Mg 279.078	1.4938	ppb	2.5711	172.1	35.8233	1.49376
Mn 257.610	-0.0084	ppb	0.0286	340.1	48.2719	-0.00841
Mo 202.032	-1.0393	ppb	0.4177	40.2	14.2249	-1.03928
Na 330.237	-148.568	ppb	198.130	133.4	52.6162	-148.56763
Ni 231.604	0.6399	ppb	0.5206	81.4	-6.0280	0.63987
Pb 220.353	-1.6966	ppb	3.3228	195.8	31.1783	-1.69663
Sb 206.834	-3.1995	ppb	4.1917	131.0	-3.5059	-3.19947
Se 196.026	0.9651	ppb	5.4396	563.6	9.8218	0.96508
Sn 189.925	1.6159	ppb	3.0940	191.5	-7.0967	1.61586
Sr 216.596	-0.2599	ppb	0.2002	77.0	19.5953	-0.25993
Ti 334.941	-0.0518	ppb	0.0248	48.0	-38.9768	-0.05179
Tl 190.794	-0.6146	ppb	4.1941	682.4	-10.8864	-0.61465
V 292.401	0.0493	ppb	0.2428	492.1	-5.5074	0.04933
Zn 206.200	-1.8865	ppb	1.5876	84.2	0.9364	-1.88650

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680-89400-f-8-d (Samp) 4/24/2013, 11:44:07 PM Rack 2, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1495	-0.4530u	-0.2256u
Al 308.215	7.5630	-0.8994u	9.9554
As 188.980	-0.3479u	-2.2114u	0.7604
B 249.678	19.3640	19.8868	20.6268
Ba 389.178	-0.9832u	0.3219	0.4714
Be 313.042	-0.0020u	-0.0053u	-0.0052u
Ca 370.602	10.21	10.61	12.93
Cd 226.502	0.0487	-0.3734u	0.0285
Co 228.615	-0.7447u	0.2730	-0.0037u
Cr 267.716	0.0434	0.0471	0.2993
Cu 324.754	1.2973	0.4572	1.1087
Fe 271.441	0.8215	-2.6254u	12.2410
K 766.491	3.2992	4.2402	4.8316
Mg 279.078	6.9884	2.2386	1.0274
Mn 257.610	-0.0997u	-0.1090u	-0.0968u
Mo 202.032	-1.0324u	-1.0760u	-0.9375u
Na 330.237	-42.0651u	130.597	-1.8855u
Ni 231.604	-0.6472u	0.0808	0.9316
Pb 220.353	-1.2405u	0.7693	0.5386
Sb 206.834	-7.2667u	-3.6273u	-3.9139u
Se 196.026	-0.0385u	7.1661	-3.0199u
Sn 189.925	1.4556	-5.0341u	-2.3892u
Sr 216.596	-0.1054u	0.3184	0.8199
Ti 334.941	-0.0934u	-0.1023u	-0.1971u
Tl 190.794	-4.8891u	-2.9968u	0.7192
V 292.401	-0.0700u	-0.2118u	-0.1573u
Zn 206.200	-0.4886u	0.2379	1.2634

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1764	ppb	0.3042	172.5	-40.5681
Al 308.215	5.5397	ppb	5.7032	103.0	-22.0641
As 188.980	-0.5996	ppb	1.5018	250.5	-10.7372
B 249.678	19.9592	ppb	0.6345	3.2	693.750
Ba 389.178	-0.0633	ppb	0.8001	1263.9	-32.9223
Be 313.042	-0.0041	ppb	0.0019	45.1	-323.893
Ca 370.602	11.25	ppb	1.470	13.1	23.70
Cd 226.502	-0.0987	ppb	0.2381	241.2	31.8495
Co 228.615	-0.1584	ppb	0.5262	332.1	-8.7318
Cr 267.716	0.1300	ppb	0.1467	112.9	-24.4143
Cu 324.754	0.9544	ppb	0.4408	46.2	189.091
Fe 271.441	3.4790	ppb	7.7813	223.7	33.1596
K 766.491	4.1236	ppb	0.7728	18.7	304.506
Mg 279.078	3.4181	ppb	3.1507	92.2	39.3119
Mn 257.610	-0.1018	ppb	0.0064	6.3	28.9868
Mo 202.032	-1.0153	ppb	0.0708	7.0	14.3745
Na 330.237	28.8821	ppb	90.3494	312.8	59.5569
Ni 231.604	0.1217	ppb	0.7902	649.2	-7.2224
Pb 220.353	0.0225	ppb	1.0998	4897.2	33.4002
Sb 206.834	-4.9359	ppb	2.0235	41.0	-5.0715
Se 196.026	1.3692	ppb	5.2369	382.5	9.9966
Sn 189.925	-1.9892	ppb	3.2633	164.0	-9.3884
Sr 216.596	0.3443	ppb	0.4632	134.5	24.7403
Ti 334.941	-0.1309	ppb	0.0575	43.9	-56.2109
Tl 190.794	-2.3889	ppb	2.8531	119.4	-12.3488
V 292.401	-0.1464	ppb	0.0715	48.9	-9.9959
Zn 206.200	0.3376	ppb	0.8893	260.8	3.0164

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680-89400-e-8-b (Samp)

4/24/2013, 11:49:42 PM

Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2509u	0.0599	-0.1789u
Al 308.215	-2.6014u	-3.5895u	2.0939
As 188.980	-0.1778u	-2.0516u	-1.7677u
B 249.678	13.7444	15.9111	12.4995
Ba 389.178	-0.2331u	0.8144	-0.1727u
Be 313.042	-0.0081u	-0.0227u	-0.0013u
Ca 370.602	2.677	6.360	3.786
Cd 226.502	-0.2812u	-0.0257u	0.0252
Co 228.615	-0.3809u	0.5468	-0.7881u
Cr 267.716	0.2975	0.0463	0.4811
Cu 324.754	-0.2945u	-0.2508u	-0.2901u
Fe 271.441	-4.3324u	7.5531	-0.9100u
K 766.491	1.5129	2.6299	2.0323
Mg 279.078	6.9827	5.1185	-0.3817u
Mn 257.610	-0.1043u	-0.0367u	-0.1248u
Mo 202.032	-0.3883u	-0.5016u	-0.7925u
Na 330.237	75.1577	103.274	-15.9205u
Ni 231.604	-0.5231u	-0.2849u	0.4382
Pb 220.353	2.4577	-1.0193u	0.3635
Sb 206.834	0.1509	-3.7252u	-5.3032u
Se 196.026	3.1827	1.8722	-10.4729u
Sn 189.925	-3.9720u	-1.7287u	1.5627
Sr 216.596	-0.1962u	-0.2935u	1.1797
Ti 334.941	-0.0985u	-0.0716u	-0.0685u
Tl 190.794	-5.9431u	-0.7495u	-2.4287u
V 292.401	-0.5006u	-0.4592u	-0.1289u
Zn 206.200	-0.6716u	-0.7647u	-0.8484u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1233	ppb	0.1627	131.9	-37.0884
Al 308.215	-1.3657	ppb	3.0366	222.4	-35.4184
As 188.980	-1.3324	ppb	1.0099	75.8	-11.0419
B 249.678	14.0517	ppb	1.7264	12.3	630.437
Ba 389.178	0.1362	ppb	0.5881	431.8	-29.2832
Be 313.042	-0.0107	ppb	0.0109	102.2	-334.082
Ca 370.602	4.274	ppb	1.890	44.2	7.310
Cd 226.502	-0.0939	ppb	0.1642	174.9	31.9903
Co 228.615	-0.2074	ppb	0.6841	329.8	-9.1642
Cr 267.716	0.2750	ppb	0.2183	79.4	-20.4163
Cu 324.754	-0.2784	ppb	0.0241	8.6	131.649
Fe 271.441	0.7702	ppb	6.1183	794.3	29.1893
K 766.491	2.0584	ppb	0.5590	27.2	248.343
Mg 279.078	3.9065	ppb	3.8289	98.0	40.1966
Mn 257.610	-0.0886	ppb	0.0461	52.1	31.7234
Mo 202.032	-0.5608	ppb	0.2085	37.2	17.2092
Na 330.237	54.1705	ppb	62.3073	115.0	60.5565
Ni 231.604	-0.1233	ppb	0.5006	406.2	-7.7872
Pb 220.353	0.6006	ppb	1.7506	291.5	34.1471
Sb 206.834	-2.9592	ppb	2.8066	94.8	-3.2920
Se 196.026	-1.8060	ppb	7.5343	417.2	8.6232
Sn 189.925	-1.3793	ppb	2.7838	201.8	-9.0007
Sr 216.596	0.2300	ppb	0.8239	358.2	23.7574
Ti 334.941	-0.0796	ppb	0.0165	20.7	-45.0250
Tl 190.794	-3.0404	ppb	2.6503	87.2	-12.8862
V 292.401	-0.3629	ppb	0.2037	56.1	-15.0619
Zn 206.200	-0.7616	ppb	0.0885	11.6	-51.9883

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640-43185-e-1-a (Samp) 4/24/2013, 11:55:17 PM Rack 2, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0030u	-0.1127u	-0.0324u
Al 308.215	10.1303	6.5232	4.7619
As 188.980	40.7573	38.7838	36.1235
B 249.678	161.853	163.232	162.713
Ba 389.178	108.815	109.627	109.727
Be 313.042	-0.0075u	-0.0075u	-0.0100u
Ca 370.602	35083	35108	35063
Cd 226.502	0.1434	0.0141	0.0532
Co 228.615	0.3428	0.3518	-0.6634u
Cr 267.716	0.4511	0.4715	0.2225
Cu 324.754	0.5885	0.5297	0.4986
Fe 271.441	2728.90	2728.51	2729.79
K 766.491	4142.35	4150.71	4150.89
Mg 279.078	14603.5	14571.9	14574.1
Mn 257.610	784.406	784.668	784.208
Mo 202.032	6.6252	6.4069	6.7890
Na 330.237	169834x	170325x	169415x
Ni 231.604	8.3418	9.7588	7.6025
Pb 220.353	2.1580	0.5070	2.5848
Sb 206.834	-0.0849u	-1.4715u	-2.9997u
Se 196.026	8.4765	-1.8681u	0.7678
Sn 189.925	-1.9161u	-0.0590	-0.4920u
Sr 216.596	197.847	196.547	196.698
Ti 334.941	-0.2338u	-0.1367	-0.1725
Tl 190.794	-9.3613u	-2.4691u	0.2949u
V 292.401	-0.0336u	0.0640u	0.4732
Zn 206.200	-0.4663u	0.5480	0.3468

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0474b	ppb	0.0593	125.2	-37.3323
Al 308.215	7.1385b	ppb	2.7366	38.3	-18.6186
As 188.980	38.5549b	ppb	2.3254	6.0	5.5566
B 249.678	162.599b	ppb	0.6963	0.4	2219.59
Ba 389.178	109.389b	ppb	0.5001	0.5	1996.15
Be 313.042	-0.0083b	ppb	0.0014	17.2	-337.133
Ca 370.602	35085b	ppb	22.69	0.1	82832
Cd 226.502	0.0702b	ppb	0.0663	94.4	44.9478
Co 228.615	0.0104b	ppb	0.5835	5609.5	-7.5351
Cr 267.716	0.3817b	ppb	0.1383	36.2	-13.5480
Cu 324.754	0.5389b	ppb	0.0457	8.5	170.681
Fe 271.441	2729.07b	ppb	0.6556	0.0	3988.75
K 766.491	4147.98b	ppb	4.8796	0.1	112993
Mg 279.078	14583.1b	ppb	17.6412	0.1	26454.2
Mn 257.610	784.427b	ppb	0.2310	0.0	162213
Mo 202.032	6.6070b	ppb	0.1917	2.9	61.7850
Na 330.237	169858xb	ppb	455.716	0.3	6715.43
Ni 231.604	8.5677b	ppb	1.0958	12.8	12.2974
Pb 220.353	1.7500b	ppb	1.0973	62.7	35.7568
Sb 206.834	-1.5187b	ppb	1.4580	96.0	-2.0245
Se 196.026	2.4587b	ppb	5.3756	218.6	10.6516
Sn 189.925	-0.8224b	ppb	0.9717	118.2	-8.5924
Sr 216.596	197.031b	ppb	0.7111	0.4	1701.48
Ti 334.941	-0.1810b	ppb	0.0491	27.1	-25.2235
Tl 190.794	-3.8452b	ppb	4.9730	129.3	-14.6162
V 292.401	0.1678b	ppb	0.2689	160.2	-4.9480
Zn 206.200	0.1428b	ppb	0.5370	376.0	2.8341

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640-43185-e-1-b ms (Samp) 4/25/2013, 12:00:52 AM Rack 2, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.3161	8.1489	8.1246
Al 308.215	5520.52	5545.01	5535.52
As 188.980	137.184	141.694	146.789
B 249.678	375.608	379.171	380.607
Ba 389.178	219.861	219.445	219.558
Be 313.042	55.2716	55.3471	55.2490
Ca 370.602	41397	41510	41390
Cd 226.502	54.8100	55.2880	54.7523
Co 228.615	55.2194	53.8047	53.1203
Cr 267.716	109.206	109.569	108.824
Cu 324.754	107.291	108.322	108.042
Fe 271.441	7885.91	7917.72	7886.04
K 766.491	10472.7	10484.2	10496.4
Mg 279.078	20231.7	20270.8	20202.7
Mn 257.610	1365.25	1366.58	1363.64
Mo 202.032	109.440	110.280	109.574
Na 330.237	183917x	183082x	183189x
Ni 231.604	112.465	115.826	113.558
Pb 220.353	59.3227	53.8210	50.7426
Sb 206.834	44.8170	44.2076	53.1644
Se 196.026	105.784	107.612	107.783
Sn 189.925	208.845	206.189	204.922
Sr 216.596	305.946	308.352	306.784
Ti 334.941	101.669	102.073	101.712
Tl 190.794	35.6659	34.4739	37.3986
V 292.401	104.869	104.383	104.651
Zn 206.200	109.246	109.366	106.379

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.1965b	ppb	0.1042	1.3	499.881
Al 308.215	5533.68b	ppb	12.3485	0.2	10690.5
As 188.980	141.889b	ppb	4.8055	3.4	48.5300
B 249.678	378.462b	ppb	2.5739	0.7	4527.60
Ba 389.178	219.621b	ppb	0.2150	0.1	4024.30
Be 313.042	55.2892b	ppb	0.0514	0.1	85004.2
Ca 370.602	41432b	ppb	67.20	0.2	97559
Cd 226.502	54.9501b	ppb	0.2941	0.5	1730.19
Co 228.615	54.0481b	ppb	1.0705	2.0	458.542
Cr 267.716	109.199b	ppb	0.3722	0.3	2986.90
Cu 324.754	107.885b	ppb	0.5332	0.5	5176.43
Fe 271.441	7896.56b	ppb	18.3238	0.2	11496.4
K 766.491	10484.4b	ppb	11.8409	0.1	285306
Mg 279.078	20235.1b	ppb	34.1644	0.2	36689.6
Mn 257.610	1365.16b	ppb	1.4708	0.1	282248
Mo 202.032	109.765b	ppb	0.4514	0.4	704.627
Na 330.237	183396xb	ppb	454.592	0.2	7243.66
Ni 231.604	113.950b	ppb	1.7144	1.5	255.327
Pb 220.353	54.6288b	ppb	4.3467	8.0	103.966
Sb 206.834	47.3963b	ppb	5.0046	10.6	42.3991
Se 196.026	107.060b	ppb	1.1080	1.0	56.0473
Sn 189.925	206.652b	ppb	2.0019	1.0	123.301
Sr 216.596	307.027b	ppb	1.2216	0.4	2635.12
Ti 334.941	101.818b	ppb	0.2219	0.2	22202.1
Tl 190.794	35.8461b	ppb	1.4706	4.1	17.2129
V 292.401	104.634b	ppb	0.2434	0.2	2381.51
Zn 206.200	108.330b	ppb	1.6914	1.6	103.824

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640-43185-e-1-c msd (Samp) 4/25/2013, 12:06:28 AM Rack 2, Tube 31**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	39.0459	37.4613	37.8068
Al 308.215	5730.79	5542.45	5552.17
As 188.980	149.390	151.232	146.522
B 249.678	397.891	381.969	385.931
Ba 389.178	228.629	219.830	221.914
Be 313.042	57.1140	55.0892	55.3387
Ca 370.602	43359	41953	42098
Cd 226.502	56.8724	54.7330	55.1299
Co 228.615	56.7345	54.9286	54.7507
Cr 267.716	112.771	109.421	109.697
Cu 324.754	115.219	108.554	108.603
Fe 271.441	8241.36	7946.25	7963.44
K 766.491	10896.9	10598.3	10645.3
Mg 279.078	21167.8	20445.6	20560.0
Mn 257.610	1428.17	1374.98	1383.11
Mo 202.032	113.898	110.502	110.513
Na 330.237	194430x	186426x	186041x
Ni 231.604	120.345	116.010	115.885
Pb 220.353	51.8674	52.4392	50.1451
Sb 206.834	50.3037	50.4558	49.1729
Se 196.026	105.718	113.513	106.625
Sn 189.925	211.258	205.044	207.674
Sr 216.596	321.586	310.291	311.981
Ti 334.941	105.556	101.834	102.153
Tl 190.794	34.8515	41.9220	39.9312
V 292.401	108.039	104.501	105.030
Zn 206.200	115.130	107.900	107.227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.1047b	ppb	0.8333	2.2	2456.58
Al 308.215	5608.47b	ppb	106.047	1.9	10835.5
As 188.980	149.048b	ppb	2.3737	1.6	51.5069
B 249.678	388.597b	ppb	8.2891	2.1	4636.05
Ba 389.178	223.457b	ppb	4.5980	2.1	4095.46
Be 313.042	55.8473b	ppb	1.1040	2.0	85865.1
Ca 370.602	42470b	ppb	773.0	1.8	100004
Cd 226.502	55.5784b	ppb	1.1381	2.0	1749.78
Co 228.615	55.4713b	ppb	1.0976	2.0	470.798
Cr 267.716	110.630b	ppb	1.8599	1.7	3026.46
Cu 324.754	110.792b	ppb	3.8339	3.5	5312.00
Fe 271.441	8050.35b	ppb	165.644	2.1	11719.6
K 766.491	10713.5b	ppb	160.545	1.5	291535
Mg 279.078	20724.5b	ppb	388.157	1.9	37576.2
Mn 257.610	1395.42b	ppb	28.6498	2.1	288503
Mo 202.032	111.638b	ppb	1.9576	1.8	716.296
Na 330.237	188966xb	ppb	4736.03	2.5	7461.92
Ni 231.604	117.413b	ppb	2.5398	2.2	263.314
Pb 220.353	51.4839b	ppb	1.1942	2.3	99.9021
Sb 206.834	49.9775b	ppb	0.7009	1.4	44.7243
Se 196.026	108.619b	ppb	4.2627	3.9	56.7290
Sn 189.925	207.992b	ppb	3.1188	1.5	124.154
Sr 216.596	314.619b	ppb	6.0927	1.9	2699.74
Ti 334.941	103.181b	ppb	2.0628	2.0	22500.4
Tl 190.794	38.9015b	ppb	3.6460	9.4	19.6882
V 292.401	105.857b	ppb	1.9086	1.8	2409.19
Zn 206.200	110.086b	ppb	4.3815	4.0	105.463

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640-43185-e-1-a (Samp) 4/25/2013, 12:12:03 AM Rack 2, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1595u	-0.2529u	-0.1715u
Al 308.215	2.9317	1.1039	5.0859
As 188.980	5.6605	-1.5672u	1.9628
B 249.678	-3.6147u	-5.5504u	-4.6968u
Ba 389.178	10.8635	10.6916	11.3432
Be 313.042	-0.0121u	-0.0029u	0.0018
Ca 370.602	3519	3499	3496
Cd 226.502	-0.0291u	0.0892	-0.0102
Co 228.615	-0.5645u	0.1247	-0.4838u
Cr 267.716	0.1737	0.1746	0.0525
Cu 324.754	-0.5409u	0.0157	-0.1322u
Fe 271.441	274.207	277.009	269.565
K 766.491	358.893	357.824	356.086
Mg 279.078	1455.14	1462.27	1452.47
Mn 257.610	79.6601	79.0780	78.9981
Mo 202.032	0.5876	-0.5941u	-0.3548u
Na 330.237	15648.6	15367.9	15646.3
Ni 231.604	0.3123	0.3775	0.6930
Pb 220.353	-2.1973u	0.0004	0.1963
Sb 206.834	-3.3850u	-1.7403u	-6.9863u
Se 196.026	1.9412	0.2765	-6.1293u
Sn 189.925	-2.4782u	0.2832	4.4393
Sr 216.596	20.0526	20.0485	19.2459
Ti 334.941	-0.1052u	-0.1348u	-0.1521u
Tl 190.794	-4.0259u	-5.2023u	-4.0557u
V 292.401	-0.2013u	-0.3110u	-0.1183u
Zn 206.200	-2.1015u	1.7366	-1.7424u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1946	ppb	0.0508	26.1	-42.2762
Al 308.215	3.0405	ppb	1.9933	65.6	-26.8743
As 188.980	2.0187	ppb	3.6142	179.0	-9.6470
B 249.678	-4.6206	ppb	0.9701	21.0	430.019
Ba 389.178	10.9661	ppb	0.3377	3.1	171.515
Be 313.042	-0.0044	ppb	0.0071	160.9	-324.809
Ca 370.602	3505	ppb	12.55	0.4	8272
Cd 226.502	0.0166	ppb	0.0636	382.1	36.1712
Co 228.615	-0.3079	ppb	0.3768	122.4	-10.0449
Cr 267.716	0.1336	ppb	0.0702	52.5	-23.9316
Cu 324.754	-0.2191	ppb	0.2883	131.6	134.497
Fe 271.441	273.594	ppb	3.7596	1.4	425.167
K 766.491	357.601	ppb	1.4168	0.4	9916.98
Mg 279.078	1456.63	ppb	5.0690	0.3	2672.15
Mn 257.610	79.2454	ppb	0.3614	0.5	16432.2
Mo 202.032	-0.1204	ppb	0.6248	518.9	19.9428
Na 330.237	15554.3	ppb	161.436	1.0	668.026
Ni 231.604	0.4609	ppb	0.2036	44.2	-6.4355
Pb 220.353	-0.6669	ppb	1.3290	199.3	32.5219
Sb 206.834	-4.0372	ppb	2.6831	66.5	-4.2632
Se 196.026	-1.3039	ppb	4.2610	326.8	8.8590
Sn 189.925	0.7481	ppb	3.4821	465.5	-7.6432
Sr 216.596	19.7823	ppb	0.4646	2.3	190.460
Ti 334.941	-0.1307	ppb	0.0237	18.2	-51.9007
Tl 190.794	-4.4280	ppb	0.6707	15.1	-14.1377
V 292.401	-0.2102	ppb	0.0966	46.0	-11.6582
Zn 206.200	-0.7024	ppb	2.1499	301.8	-2.0438

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640-43185-e-1-b ms (Samp) 4/25/2013, 12:17:39 AM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6630	0.7201	0.9592
Al 308.215	535.259	531.403	471.458
As 188.980	18.6380	11.9857	18.4242
B 249.678	9.5072	9.6453	4.4676
Ba 389.178	22.4429	21.7880	19.6640
Be 313.042	5.4603	5.4628	4.8574
Ca 370.602	4068	4065	3625
Cd 226.502	5.4931	5.2144	4.5060
Co 228.615	5.0579	5.1925	4.6028
Cr 267.716	11.0096	10.7794	9.6672
Cu 324.754	10.0740	9.9244	7.8294
Fe 271.441	786.934	781.524	695.798
K 766.491	868.420	867.548	763.409
Mg 279.078	2009.84	2004.64	1764.55
Mn 257.610	135.958	135.776	120.310
Mo 202.032	10.9429	10.1073	8.4666
Na 330.237	16496.6	16408.9	14719.8
Ni 231.604	10.4223	12.1269	11.5756
Pb 220.353	3.5621	4.0545	-0.8830u
Sb 206.834	6.2491	2.2963	2.2917
Se 196.026	22.5343	13.1045	7.1150
Sn 189.925	15.5349	18.9286	16.0938
Sr 216.596	30.3508	31.1795	26.7126
Ti 334.941	9.8285	9.8174	8.7240
Tl 190.794	-3.0462u	-0.9131u	2.7656
V 292.401	10.3848	9.8775	8.9268
Zn 206.200	8.1789	9.5979	5.6143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7808	ppb	0.1572	20.1	21.3530
Al 308.215	512.707	ppb	35.7743	7.0	960.769
As 188.980	16.3493	ppb	3.7805	23.1	-3.6882
B 249.678	7.8734	ppb	2.9503	37.5	563.414
Ba 389.178	21.2983	ppb	1.4527	6.8	361.487
Be 313.042	5.2602	ppb	0.3488	6.6	7800.04
Ca 370.602	3919	ppb	254.7	6.5	9226
Cd 226.502	5.0712	ppb	0.5089	10.0	191.394
Co 228.615	4.9511	ppb	0.3090	6.2	35.3024
Cr 267.716	10.4854	ppb	0.7178	6.8	261.479
Cu 324.754	9.2759	ppb	1.2550	13.5	577.294
Fe 271.441	754.752	ppb	51.1272	6.8	1124.21
K 766.491	833.126	ppb	60.3780	7.2	22848.4
Mg 279.078	1926.34	ppb	140.139	7.3	3522.74
Mn 257.610	130.681	ppb	8.9823	6.9	27063.7
Mo 202.032	9.8389	ppb	1.2598	12.8	82.0068
Na 330.237	15875.1	ppb	1001.50	6.3	680.379
Ni 231.604	11.3749	ppb	0.8698	7.6	18.7331
Pb 220.353	2.2445	ppb	2.7197	121.2	36.2710
Sb 206.834	3.6124	ppb	2.2835	63.2	2.6643
Se 196.026	14.2513	ppb	7.7734	54.5	15.6007
Sn 189.925	16.8525	ppb	1.8196	10.8	2.5942
Sr 216.596	29.4143	ppb	2.3761	8.1	272.156
Ti 334.941	9.4566	ppb	0.6346	6.7	2037.19
Tl 190.794	-0.3979	ppb	2.9399	738.8	-10.8952
V 292.401	9.7297	ppb	0.7401	7.6	215.350
Zn 206.200	7.7970	ppb	2.0191	25.9	9.9746

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640-43185-e-1-c msd (Samp) **4/25/2013, 12:23:15 AM** **Rack 2, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.6360	3.1963	4.0058
Al 308.215	530.151	526.422	529.562
As 188.980	13.0961	9.5024	15.4503
B 249.678	6.5203	6.4743	7.2491
Ba 389.178	20.9325	22.1340	21.6258
Be 313.042	5.3630	5.3959	5.4046
Ca 370.602	4051	4071	4085
Cd 226.502	5.4729	5.0188	5.2874
Co 228.615	5.3190	4.9578	4.7171
Cr 267.716	10.3536	10.8028	10.6827
Cu 324.754	10.3140	10.2237	10.1370
Fe 271.441	780.425	780.697	787.757
K 766.491	859.503	861.592	867.911
Mg 279.078	1990.45	2003.76	2012.62
Mn 257.610	134.748	135.622	136.160
Mo 202.032	9.3275	8.9460	9.8767
Na 330.237	16546.6	16346.0	16371.9
Ni 231.604	12.1791	9.8282	11.1889
Pb 220.353	7.9659	1.9950	4.1736
Sb 206.834	4.1881	-1.1012u	-1.2495u
Se 196.026	15.6880	16.2516	9.6807
Sn 189.925	18.5703	20.4604	18.9898
Sr 216.596	30.3547	30.4284	30.4165
Ti 334.941	9.7697	9.8166	9.7843
Tl 190.794	0.8744	0.7697	-2.6454u
V 292.401	9.9286	9.7026	10.0501
Zn 206.200	10.8359	10.5711	11.3792

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.6127	ppb	0.4052	11.2	206.632
Al 308.215	528.712	ppb	2.0050	0.4	991.762
As 188.980	12.6829	ppb	2.9954	23.6	-5.2122
B 249.678	6.7479	ppb	0.4347	6.4	551.322
Ba 389.178	21.5641	ppb	0.6031	2.8	366.523
Be 313.042	5.3878	ppb	0.0220	0.4	7997.11
Ca 370.602	4069	ppb	17.07	0.4	9578
Cd 226.502	5.2597	ppb	0.2283	4.3	197.214
Co 228.615	4.9980	ppb	0.3030	6.1	35.7194
Cr 267.716	10.6130	ppb	0.2326	2.2	265.017
Cu 324.754	10.2249	ppb	0.0885	0.9	621.519
Fe 271.441	782.960	ppb	4.1565	0.5	1165.17
K 766.491	863.002	ppb	4.3777	0.5	23660.9
Mg 279.078	2002.28	ppb	11.1615	0.6	3660.31
Mn 257.610	135.510	ppb	0.7126	0.5	28061.9
Mo 202.032	9.3834	ppb	0.4679	5.0	79.1649
Na 330.237	16421.5	ppb	109.143	0.7	701.778
Ni 231.604	11.0654	ppb	1.1804	10.7	18.0201
Pb 220.353	4.7115	ppb	3.0216	64.1	39.4604
Sb 206.834	0.6125	ppb	3.0975	505.7	-0.0390
Se 196.026	13.8734	ppb	3.6419	26.3	15.4385
Sn 189.925	19.3401	ppb	0.9926	5.1	4.1758
Sr 216.596	30.3999	ppb	0.0395	0.1	280.573
Ti 334.941	9.7902	ppb	0.0240	0.2	2110.05
Tl 190.794	-0.3338	ppb	2.0026	599.9	-10.8492
V 292.401	9.8938	ppb	0.1764	1.8	219.150
Zn 206.200	10.9287	ppb	0.4120	3.8	12.9030

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640-43185-e-2-a (Samp) 4/25/2013, 12:28:50 AM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5427u	-0.6055u	-0.1962u
Al 308.215	10.2650	9.7826	8.3863
As 188.980	-7.7961u	1.1769	3.6821
B 249.678	3385.52	3401.09	3411.94
Ba 389.178	644.346	644.197	645.347
Be 313.042	0.1686u	0.1617u	0.1726u
Ca 370.602	127455	127454	127378
Cd 226.502	0.3908	0.2279	0.0661
Co 228.615	0.5997	0.7321	0.9902
Cr 267.716	-2.1478u	-1.2106	-1.1827
Cu 324.754	0.0724	0.8679	1.0827
Fe 271.441	8034.85	8051.02	8049.37
K 766.491	177034x	177066x	177054x
Mg 279.078	348141	348333	348223
Mn 257.610	295.107	295.203	296.553
Mo 202.032	-0.6481u	-0.9409u	-0.6882u
Na 330.237	3788150x	3794037x	3778741x
Ni 231.604	5.0274	3.5059	3.1814
Pb 220.353	3.3676	8.4587	1.4203
Sb 206.834	-1.0457u	-3.2447u	-6.9716u
Se 196.026	24.7174	12.2456	22.4226
Sn 189.925	-9.8856u	-2.9126u	3.1180
Sr 216.596	2102.16	2105.37	2100.04
Ti 334.941	-4.3821	-4.3401	-4.2922
Tl 190.794	-9.3924u	-6.9099u	-9.9177u
V 292.401	1.4707	1.5151	1.5198
Zn 206.200	1.4295	2.2385	0.9968

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4481b	ppb	0.2204	49.2	-146.788
Al 308.215	9.4780b	ppb	0.9757	10.3	-14.4140
As 188.980	-0.9790b	ppb	6.0352	616.4	-10.8419
B 249.678	3399.52b	ppb	13.2795	0.4	36906.1
Ba 389.178	644.630b	ppb	0.6255	0.1	12449.8
Be 313.042	0.1676b	ppb	0.0055	3.3	-375.826
Ca 370.602	127429b	ppb	44.39	0.0	300911
Cd 226.502	0.2283b	ppb	0.1624	71.1	54.5525
Co 228.615	0.7740b	ppb	0.1986	25.7	-0.8014
Cr 267.716	-1.5137b	ppb	0.5493	36.3	-31.7721
Cu 324.754	0.6744b	ppb	0.5322	78.9	178.281
Fe 271.441	8045.08b	ppb	8.8961	0.1	11703.9
K 766.491	177051xb	ppb	16.4410	0.0	4814930
Mg 279.078	348232b	ppb	95.9006	0.0	631190
Mn 257.610	295.621b	ppb	0.8085	0.3	62950.1
Mo 202.032	-0.7591b	ppb	0.1588	20.9	15.6220
Na 330.237	3786976xb	ppb	7715.34	0.2	148488
Ni 231.604	3.9049b	ppb	0.9856	25.2	1.6462
Pb 220.353	4.4155b	ppb	3.6343	82.3	39.1284
Sb 206.834	-3.7540b	ppb	2.9956	79.8	-3.8501
Se 196.026	19.7952b	ppb	6.6381	33.5	18.0738
Sn 189.925	-3.2267b	ppb	6.5075	201.7	-9.1752
Sr 216.596	2102.52b	ppb	2.6836	0.1	17922.2
Ti 334.941	-4.3381b	ppb	0.0450	1.0	37.7325
Tl 190.794	-8.7400b	ppb	1.6065	18.4	-18.2946
V 292.401	1.5019b	ppb	0.0271	1.8	7.9634
Zn 206.200	1.5549b	ppb	0.6303	40.5	4.1555

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640-43185-e-2-a (Samp) 4/25/2013, 12:34:27 AM Rack 2, Tube 36

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0873u	-0.2940u	0.1017u
Al 308.215	2.4383	-0.2037u	2.3577
As 188.980	-1.7194u	-3.5678u	4.9825
B 249.678	340.777	329.931	279.513
Ba 389.178	64.9148	63.9775	54.6050
Be 313.042	-0.0137u	0.0074u	0.0327
Ca 370.602	12813	12442	10909
Cd 226.502	0.0685	-0.0484	-0.1862u
Co 228.615	-0.4335u	0.0996	0.3984
Cr 267.716	-0.2146u	0.1396	-0.1089
Cu 324.754	0.3559	-0.1426u	-0.6509u
Fe 271.441	855.335	826.737	721.138
K 766.491	10983.9	10740.0	9327.09
Mg 279.078	34096.2	33220.5	28887.6
Mn 257.610	30.5918	29.7595	25.6710
Mo 202.032	-1.7819u	-0.9889u	-1.5578u
Na 330.237	318229x	309401x	263251x
Ni 231.604	2.1384	1.3529	2.0420
Pb 220.353	4.2537	2.4758	-4.2603u
Sb 206.834	-0.4036u	0.1798	-3.2630u
Se 196.026	10.0982	0.4353	2.7301
Sn 189.925	1.8323	0.7890	3.7047
Sr 216.596	217.913	211.026	183.138
Ti 334.941	-0.5940u	-0.6009u	-0.5455u
Tl 190.794	-4.4300u	-1.1995u	-1.9235u
V 292.401	-0.5135u	-0.0154u	-0.0255u
Zn 206.200	0.7357	-0.5973u	-1.2060u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0932b	ppb	0.1979	212.4	-43.5984
Al 308.215	1.5308b	ppb	1.5026	98.2	-29.8336
As 188.980	-0.1016b	ppb	4.4989	4429.0	-10.5249
B 249.678	316.740b	ppb	32.6924	10.3	3873.68
Ba 389.178	61.1658b	ppb	5.7011	9.3	1150.59
Be 313.042	0.0088b	ppb	0.0232	265.1	-328.104
Ca 370.602	12055b	ppb	1010	8.4	28461
Cd 226.502	-0.0554b	ppb	0.1275	230.3	34.7422
Co 228.615	0.0215b	ppb	0.4214	1962.3	-7.1905
Cr 267.716	-0.0613b	ppb	0.1818	296.7	-26.6833
Cu 324.754	-0.1459b	ppb	0.5035	345.1	138.034
Fe 271.441	801.070b	ppb	70.6844	8.8	1190.74
K 766.491	10350.3b	ppb	894.516	8.6	281660
Mg 279.078	32068.1b	ppb	2788.99	8.7	58155.2
Mn 257.610	28.6741b	ppb	2.6339	9.2	6142.56
Mo 202.032	-1.4428b	ppb	0.4088	28.3	11.6743
Na 330.237	296960xb	ppb	29524.5	9.9	11697.7
Ni 231.604	1.8444b	ppb	0.4284	23.2	-3.2366
Pb 220.353	0.8231b	ppb	4.4912	545.6	34.4401
Sb 206.834	-1.1623b	ppb	1.8425	158.5	-1.6450
Se 196.026	4.4212b	ppb	5.0486	114.2	11.3272
Sn 189.925	2.1087b	ppb	1.4773	70.1	-6.7046
Sr 216.596	204.026b	ppb	18.4140	9.0	1758.81
Ti 334.941	-0.5801b	ppb	0.0302	5.2	-58.0048
Tl 190.794	-2.5177b	ppb	1.6952	67.3	-12.5244
V 292.401	-0.1848b	ppb	0.2847	154.1	-12.3729
Zn 206.200	-0.3559b	ppb	0.9932	379.1	-2.3678

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Cont Calib Verif (CCV) 4/25/2013, 12:40:03 AM Rack 2, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.736	497.067	497.059
Al 308.215	4985.94	4979.28	5001.92
As 188.980	503.150	493.082	511.202
B 249.678	509.882	511.907	514.341
Ba 389.178	5145.78	5140.30	5162.42
Be 313.042	528.673	528.677	530.594
Ca 370.602	5033	5022	5040
Cd 226.502	526.147	525.700	527.002
Co 228.615	526.478	526.966	528.911
Cr 267.716	5208.22	5210.04	5217.70
Cu 324.754	5241.85	5145.37	5149.62
Fe 271.441	5031.71	5034.53	5051.43
K 766.491	10056.2	10038.1	10091.2
Mg 279.078	5092.68	5082.41	5105.36
Mn 257.610	5284.50	5283.38	5303.46
Mo 202.032	498.793	498.162	499.276
Na 330.237	7172.30	7350.88	7673.01
Ni 231.604	2657.47	2641.70	2650.81
Pb 220.353	501.738	507.729	498.389
Sb 206.834	962.827	965.406	961.679
Se 196.026	5088.66	5060.42	5058.24
Sn 189.925	5078.62	5049.92	5085.53
Sr 216.596	2545.35	2545.07	2549.24
Ti 334.941	499.977	500.396	502.094
Tl 190.794	5100.34	5097.00	5087.57
V 292.401	5032.84	5027.34	5047.58
Zn 206.200	2648.71	2649.35	2632.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.954	ppb	3.2750	0.7	32564.9	99.79079
Al 308.215	4989.05	ppb	11.6360	0.2	9623.31	99.78093
As 188.980	502.478	ppb	9.0790	1.8	198.346	100.49557
B 249.678	512.044	ppb	2.2325	0.4	5962.23	20.48174Q
Ba 389.178	5149.50	ppb	11.5181	0.2	93901.1	102.99001
Be 313.042	529.315	ppb	1.1076	0.2	816517	105.86292
Ca 370.602	5032	ppb	9.349	0.2	11804	100.63441
Cd 226.502	526.283	ppb	0.6617	0.1	16057.0	105.25657
Co 228.615	527.451	ppb	1.2872	0.2	4554.58	105.49027
Cr 267.716	5211.99	ppb	5.0300	0.1	143593	104.23977
Cu 324.754	5178.95	ppb	54.5138	1.1	241466	103.57892
Fe 271.441	5039.22	ppb	10.6619	0.2	7451.41	100.78445
K 766.491	10061.8	ppb	26.9962	0.3	273814	100.61829
Mg 279.078	5093.48	ppb	11.4940	0.2	9191.51	101.86966
Mn 257.610	5290.45	ppb	11.2810	0.2	1093220	105.80894
Mo 202.032	498.744	ppb	0.5591	0.1	3122.21	99.74873
Na 330.237	7398.73	ppb	253.762	3.4	329.305	98.64971
Ni 231.604	2649.99	ppb	7.9140	0.3	6101.53	105.99966
Pb 220.353	502.619	ppb	4.7319	0.9	682.977	100.52371
Sb 206.834	963.304	ppb	1.9088	0.2	914.711	96.33037
Se 196.026	5069.11	ppb	16.9681	0.3	2203.14	101.38216
Sn 189.925	5071.36	ppb	18.8823	0.4	3215.66	101.42711
Sr 216.596	2546.55	ppb	2.3336	0.1	21639.2	101.86219
Ti 334.941	500.822	ppb	1.1213	0.2	109032	100.16450
Tl 190.794	5094.97	ppb	6.6247	0.1	4185.25	101.89944
V 292.401	5035.92	ppb	10.4658	0.2	115710	100.71835
Zn 206.200	2643.41	ppb	9.7381	0.4	2465.49	105.73647

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Blank (CCB) 4/25/2013, 12:45:38 AM Rack 2, Tube 38
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0972u	-0.1625u	-0.2733u
Al 308.215	4.1347	0.2606	-2.4883u
As 188.980	4.9081	0.7427	-4.5605u
B 249.678	-13.9663u	-14.7354u	-15.3168u
Ba 389.178	0.3226	0.8021	0.9135
Be 313.042	0.0090	0.0136	0.0023
Ca 370.602	-6.832u	-0.0488u	4.237
Cd 226.502	0.0235	-0.0591u	-0.1632u
Co 228.615	0.1794	-0.4005u	-0.1663u
Cr 267.716	0.0702	0.0769	-0.0872u
Cu 324.754	-0.1404u	-0.6114u	-0.2022u
Fe 271.441	-0.6276u	2.4675	1.6140
K 766.491	-0.5309u	-1.4632u	-0.0325u
Mg 279.078	0.9472	1.5367	3.0903
Mn 257.610	0.0045	0.0403	-0.0092u
Mo 202.032	-0.4458u	-0.7327u	-1.0633u
Na 330.237	140.716	-148.151u	-149.019u
Ni 231.604	1.2150	1.1726	2.0573
Pb 220.353	2.0035	6.5931	2.3617
Sb 206.834	5.5255	-3.2609u	0.9450
Se 196.026	4.8094	-1.8256u	7.9009
Sn 189.925	3.1962	3.0783	2.7859
Sr 216.596	0.4879	0.5130	0.4195
Ti 334.941	-0.0822u	-0.0464u	-0.0647u
Tl 190.794	0.3572	-1.8079u	-2.9112u
V 292.401	0.3949	-0.0785u	0.1416
Zn 206.200	-2.0573u	-1.8270u	-1.2782u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1776	ppb	0.0890	50.1	-40.6306	-0.17765
Al 308.215	0.6356	ppb	3.3274	523.5	-31.5423	0.63564
As 188.980	0.3634	ppb	4.7456	1305.8	-10.3369	0.36344
B 249.678	-14.6728	ppb	0.6774	4.6	322.577	-14.67283
Ba 389.178	0.6794	ppb	0.3140	46.2	-19.3752	0.67939
Be 313.042	0.0083	ppb	0.0057	68.6	-304.758	0.00830
Ca 370.602	-0.8814	ppb	5.582	633.3	-5.152	-0.88139
Cd 226.502	-0.0663	ppb	0.0935	141.2	32.8455	-0.06625
Co 228.615	-0.1291	ppb	0.2918	225.9	-8.4919	-0.12915
Cr 267.716	0.0200	ppb	0.0929	465.0	-27.4467	0.01998
Cu 324.754	-0.3180	ppb	0.2559	80.5	129.804	-0.31800
Fe 271.441	1.1513	ppb	1.5986	138.8	29.7857	1.15132
K 766.491	-0.6755	ppb	0.7262	107.5	173.998	-0.67551
Mg 279.078	1.8581	ppb	1.1071	59.6	36.4837	1.85807
Mn 257.610	0.0118	ppb	0.0255	215.7	52.4759	0.01184
Mo 202.032	-0.7473	ppb	0.3090	41.3	16.0453	-0.74726
Na 330.237	-52.1513	ppb	167.029	320.3	56.3911	-52.15133
Ni 231.604	1.4817	ppb	0.4990	33.7	-4.0873	1.48168
Pb 220.353	3.6528	ppb	2.5527	69.9	38.0920	3.65277
Sb 206.834	1.0699	ppb	4.3946	410.7	0.3471	1.06989
Se 196.026	3.6282	ppb	4.9697	137.0	10.9737	3.62822
Sn 189.925	3.0201	ppb	0.2113	7.0	-6.2040	3.02014
Sr 216.596	0.4735	ppb	0.0484	10.2	25.7994	0.47346
Ti 334.941	-0.0644	ppb	0.0179	27.8	-41.7316	-0.06443
Tl 190.794	-1.4539	ppb	1.6627	114.4	-11.5783	-1.45395
V 292.401	0.1527	ppb	0.2369	155.2	-3.1827	0.15267
Zn 206.200	-1.7208	ppb	0.4903	284.3	515.0914	-1.72083

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640-43185-c-4-a (Samp) 4/25/2013, 12:51:14 AM Rack 2, Tube 39

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4239u	-0.5515u	-0.3101u
Al 308.215	14.2322	1.8635	8.7231
As 188.980	30.7082	25.0611	21.5795
B 249.678	241.635	225.133	250.830
Ba 389.178	768.010	719.909	791.676
Be 313.042	-0.0414u	-0.0311u	-0.0280u
Ca 370.602	154128	144597	158468
Cd 226.502	-0.1865	-0.2936	-0.1302
Co 228.615	0.3636	0.9519	0.3421
Cr 267.716	0.1760	0.7041	0.2646
Cu 324.754	0.3985	-0.1104u	0.3556
Fe 271.441	16106.5	15072.3	16596.4
K 766.491	23132.5	22150.1	23625.1
Mg 279.078	63570.6	59861.0	65485.5
Mn 257.610	527.700	497.704	542.990
Mo 202.032	-0.6649u	-0.4269u	-0.7570u
Na 330.237	252705x	242142x	262003x
Ni 231.604	5.1108	6.5038	5.5834
Pb 220.353	3.6848	3.4760	0.1780
Sb 206.834	-1.4151u	-0.5775u	1.5605
Se 196.026	-1.4494u	-2.4997u	4.9694
Sn 189.925	1.2050	1.7434	-0.4632u
Sr 216.596	1040.35	973.012	1069.13
Ti 334.941	-0.7300	-0.6843	-0.6701
Tl 190.794	-2.4714u	-0.6446u	-5.2983u
V 292.401	-0.0123u	-0.2594u	-0.1635u
Zn 206.200	0.0801	1.6153	-0.3431u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4285b	ppb	0.1208	28.2	-98.7315
Al 308.215	8.2729b	ppb	6.1966	74.9	-16.7421
As 188.980	25.7829b	ppb	4.6069	17.9	0.3353
B 249.678	239.199b	ppb	13.0203	5.4	3026.44
Ba 389.178	759.865b	ppb	36.5703	4.8	13972.6
Be 313.042	-0.0335b	ppb	0.0070	20.8	-351.142
Ca 370.602	152398b	ppb	7096	4.7	359497
Cd 226.502	-0.2034b	ppb	0.0830	40.8	78.1184
Co 228.615	0.5526b	ppb	0.3460	62.6	-2.9980
Cr 267.716	0.3815b	ppb	0.2828	74.1	-11.6228
Cu 324.754	0.2146b	ppb	0.2823	131.5	159.038
Fe 271.441	15925.1b	ppb	778.067	4.9	23140.0
K 766.491	22969.2b	ppb	750.953	3.3	624818
Mg 279.078	62972.4b	ppb	2859.60	4.5	114164
Mn 257.610	522.798b	ppb	23.0374	4.4	108440
Mo 202.032	-0.6162b	ppb	0.1704	27.6	16.1746
Na 330.237	252283xb	ppb	9937.15	3.9	9943.07
Ni 231.604	5.7327b	ppb	0.7084	12.4	6.0031
Pb 220.353	2.4463b	ppb	1.9671	80.4	36.6203
Sb 206.834	-0.1440b	ppb	1.5344	1065.3	-0.4207
Se 196.026	0.3401b	ppb	4.0433	1188.9	9.7467
Sn 189.925	0.8284b	ppb	1.1505	138.9	-7.4844
Sr 216.596	1027.49b	ppb	49.3291	4.8	8780.87
Ti 334.941	-0.6948b	ppb	0.0313	4.5	29.4482
Tl 190.794	-2.8048b	ppb	2.3447	83.6	-14.0017
V 292.401	-0.1450b	ppb	0.1246	85.9	-10.9932
Zn 206.200	0.4508b	ppb	1.0305	328.6	3.1218

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89365-e-1-a (Samp) 4/25/2013, 12:56:49 AM Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1826u	0.0759	0.1433
Al 308.215	47.1288	47.7604	50.7438
As 188.980	3.6145	4.3103	-1.2927u
B 249.678	-19.0115u	-20.3736u	-20.9204u
Ba 389.178	25.2019	24.0249	24.0007
Be 313.042	-0.0134u	-0.0241u	-0.0150u
Ca 370.602	49382	49384	49310
Cd 226.502	-0.3988u	-0.2112u	0.0652
Co 228.615	-0.0364u	-0.2906u	-0.5735u
Cr 267.716	18.9140	19.3143	19.3746
Cu 324.754	0.4755	0.5288	0.8737
Fe 271.441	24.4378	17.9824	18.2088
K 766.491	3894.18	3905.97	3901.92
Mg 279.078	750.253	741.808	746.928
Mn 257.610	5.6121	5.5901	5.6034
Mo 202.032	1.9350	1.9857	1.8563
Na 330.237	7282.65	7442.84	7275.03
Ni 231.604	0.8164	0.2492	0.0428
Pb 220.353	-0.1432u	4.0216	2.7990
Sb 206.834	-4.2132u	0.0409	-3.9618u
Se 196.026	4.2360	-6.2050u	-6.9360u
Sn 189.925	-0.4230u	-1.8504u	-2.7157u
Sr 216.596	81.5623	81.0508	81.9978
Ti 334.941	0.4416	0.4049	0.4284
Tl 190.794	-0.1377u	-1.6811u	-3.9548u
V 292.401	1.2894	1.4059	1.3501
Zn 206.200	-0.3947u	1.7881	-2.2920u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0122	ppb	0.1720	1411.5	-31.4479
Al 308.215	48.5443	ppb	1.9308	4.0	61.3725
As 188.980	2.2107	ppb	3.0539	138.1	-9.5694
B 249.678	-20.1018	ppb	0.9831	4.9	264.382
Ba 389.178	24.4092	ppb	0.6866	2.8	414.923
Be 313.042	-0.0175	ppb	0.0058	33.0	-331.523
Ca 370.602	49359	ppb	41.83	0.1	116740
Cd 226.502	-0.1816	ppb	0.2334	128.5	29.3606
Co 228.615	-0.3002	ppb	0.2687	89.5	-9.9793
Cr 267.716	19.2009	ppb	0.2503	1.3	501.243
Cu 324.754	0.6260	ppb	0.2162	34.5	173.860
Fe 271.441	20.2097	ppb	3.6634	18.1	57.4731
K 766.491	3900.69	ppb	5.9906	0.2	106268
Mg 279.078	746.330	ppb	4.2542	0.6	1385.73
Mn 257.610	5.6019	ppb	0.0111	0.2	1211.98
Mo 202.032	1.9257	ppb	0.0652	3.4	32.7097
Na 330.237	7333.51	ppb	94.7602	1.3	345.862
Ni 231.604	0.3695	ppb	0.4006	108.4	-6.6509
Pb 220.353	2.2258	ppb	2.1408	96.2	36.2450
Sb 206.834	-2.7114	ppb	2.3869	88.0	-2.9333
Se 196.026	-2.9683	ppb	6.2498	210.6	8.1218
Sn 189.925	-1.6630	ppb	1.1578	69.6	-9.1631
Sr 216.596	81.5370	ppb	0.4740	0.6	719.450
Ti 334.941	0.4250	ppb	0.0186	4.4	67.0295
Tl 190.794	-1.9245	ppb	1.9201	99.8	-11.9742
V 292.401	1.3485	ppb	0.0583	4.3	22.9186
Zn 206.200	-0.2995	ppb	2.0417	381.6	-2.3858

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89365-e-1-aSD^5 (Samp) 4/25/2013, 1:02:25 AM Rack 2, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5163	-0.0878u	-0.2684u
Al 308.215	-2.8771u	8.8572	8.2670
As 188.980	0.1096	6.1012	3.9899
B 249.678	-29.2645u	-29.0661u	-30.2413u
Ba 389.178	3.9174	4.2725	4.7640
Be 313.042	-0.0130u	-0.0143u	-0.0061u
Ca 370.602	9797	9776	9768
Cd 226.502	-0.0439u	-0.1009u	-0.0871u
Co 228.615	-1.8347u	-0.0727u	-0.3180u
Cr 267.716	4.1108	3.5826	4.3369
Cu 324.754	-0.5149u	-0.8084u	-0.3640u
Fe 271.441	-4.5412u	1.8797	2.3290
K 766.491	745.520	744.903	744.086
Mg 279.078	148.980	149.971	151.467
Mn 257.610	1.0482	1.1082	1.0969
Mo 202.032	-0.3401u	-0.6580u	-0.6073u
Na 330.237	1390.65	1566.79	1208.99
Ni 231.604	1.2809	0.6280	-0.2354u
Pb 220.353	-3.1743u	-0.5405u	-2.4736u
Sb 206.834	-5.1940u	1.4862	-0.6580u
Se 196.026	-6.0664u	-0.8663u	-1.4206u
Sn 189.925	-2.6970u	-1.2667u	2.3436
Sr 216.596	15.8809	16.4582	16.7347
Ti 334.941	-0.0776u	-0.0079u	-0.0264u
Tl 190.794	-0.9597u	0.0586	0.7877
V 292.401	-0.2182u	0.1860	-0.0108u
Zn 206.200	-0.5359u	-0.3119u	-1.9168u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0533	ppb	0.4110	770.4	-26.1437
Al 308.215	4.7490	ppb	6.6110	139.2	-23.5594
As 188.980	3.4002	ppb	3.0390	89.4	-9.0745
B 249.678	-29.5240	ppb	0.6291	2.1	163.411
Ba 389.178	4.3180	ppb	0.4251	9.8	47.2826
Be 313.042	-0.0111	ppb	0.0044	39.8	-332.102
Ca 370.602	9780	ppb	15.13	0.2	23130
Cd 226.502	-0.0773	ppb	0.0297	38.4	32.5021
Co 228.615	-0.7418	ppb	0.9544	128.7	-13.7795
Cr 267.716	4.0101	ppb	0.3871	9.7	82.5359
Cu 324.754	-0.5624	ppb	0.2260	40.2	118.423
Fe 271.441	-0.1108	ppb	3.8434	3467.5	27.9030
K 766.491	744.836	ppb	0.7194	0.1	20447.5
Mg 279.078	150.140	ppb	1.2522	0.8	305.221
Mn 257.610	1.0844	ppb	0.0319	2.9	274.975
Mo 202.032	-0.5351	ppb	0.1708	31.9	17.3683
Na 330.237	1388.81	ppb	178.907	12.9	112.865
Ni 231.604	0.5578	ppb	0.7606	136.4	-6.2171
Pb 220.353	-2.0628	ppb	1.3641	66.1	30.7042
Sb 206.834	-1.4552	ppb	3.4107	234.4	-1.9034
Se 196.026	-2.7844	ppb	2.8558	102.6	8.2003
Sn 189.925	-0.5400	ppb	2.5977	481.0	-8.4636
Sr 216.596	16.3579	ppb	0.4356	2.7	161.750
Ti 334.941	-0.0373	ppb	0.0362	97.0	-35.3851
Tl 190.794	-0.0378	ppb	0.8777	2321.7	-10.4126
V 292.401	-0.0144	ppb	0.2021	1407.5	-7.2943
Zn 206.200	-0.9215	ppb	0.8692	390.3	515.8317

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89365-e-1-aPDS (Samp) **4/25/2013, 1:08:00 AM** **Rack 2, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.3401	51.2507	51.9087
Al 308.215	2167.94	2173.20	2169.17
As 188.980	2212.22	2213.03	2190.79
B 249.678	1029.80	1031.94	1036.27
Ba 389.178	2154.26	2152.19	2152.48
Be 313.042	54.2947	54.3862	54.3357
Ca 370.602	53567	53638	53522
Cd 226.502	54.2763	54.2901	54.2972
Co 228.615	542.615	548.466	546.644
Cr 267.716	235.151	235.094	233.667
Cu 324.754	267.797	269.492	268.909
Fe 271.441	1048.10	1049.08	1052.65
K 766.491	9453.66	9479.20	9503.03
Mg 279.078	6071.20	6083.58	6071.43
Mn 257.610	558.064	558.373	558.124
Mo 202.032	531.959	533.738	532.027
Na 330.237	12658.6	12455.4	12912.2
Ni 231.604	537.081	536.988	536.379
Pb 220.353	517.849	510.688	515.265
Sb 206.834	492.627	497.850	493.640
Se 196.026	2099.30	2079.78	2095.44
Sn 189.925	1067.18	1071.40	1069.16
Sr 216.596	622.682	620.083	620.558
Ti 334.941	1034.59	1035.59	1033.44
Tl 190.794	2134.22	2130.76	2143.16
V 292.401	516.882	517.671	517.537
Zn 206.200	534.095	535.557	525.912

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.4998	ppb	0.3569	0.7	3320.99
Al 308.215	2170.10	ppb	2.7493	0.1	4191.48
As 188.980	2205.34	ppb	12.6146	0.6	906.227
B 249.678	1032.67	ppb	3.2953	0.3	11546.4
Ba 389.178	2152.98	ppb	1.1203	0.1	39246.5
Be 313.042	54.3388	ppb	0.0458	0.1	83489.3
Ca 370.602	53576	ppb	58.86	0.1	126806
Cd 226.502	54.2879	ppb	0.0106	0.0	1689.39
Co 228.615	545.908	ppb	2.9937	0.5	4713.56
Cr 267.716	234.637	ppb	0.8409	0.4	6438.04
Cu 324.754	268.733	ppb	0.8613	0.3	12677.5
Fe 271.441	1049.94	ppb	2.3926	0.2	1627.97
K 766.491	9478.63	ppb	24.6944	0.3	257954
Mg 279.078	6075.40	ppb	7.0850	0.1	11036.5
Mn 257.610	558.187	ppb	0.1636	0.0	115420
Mo 202.032	532.575	ppb	1.0080	0.2	3340.65
Na 330.237	12675.4	ppb	228.877	1.8	545.828
Ni 231.604	536.816	ppb	0.3816	0.1	1230.02
Pb 220.353	514.600	ppb	3.6264	0.7	697.449
Sb 206.834	494.706	ppb	2.7698	0.6	442.430
Se 196.026	2091.50	ppb	10.3368	0.5	914.181
Sn 189.925	1069.25	ppb	2.1118	0.2	671.600
Sr 216.596	621.108	ppb	1.3835	0.2	5288.26
Ti 334.941	1034.54	ppb	1.0777	0.1	225238
Tl 190.794	2136.05	ppb	6.3999	0.3	1750.04
V 292.401	517.363	ppb	0.4222	0.1	11831.1
Zn 206.200	531.855	ppb	5.1979	1.0	499.718

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680-89365-e-2-a (Samp) 4/25/2013, 1:13:36 AM Rack 2, Tube 43

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2746u	0.1533	-0.3020u
Al 308.215	35.4766	35.1734	37.2604
As 188.980	0.8775	12.1575	13.7726
B 249.678	23.3022	22.1648	21.2686
Ba 389.178	198.035	196.649	197.393
Be 313.042	-0.0150u	-0.0154u	-0.0074
Ca 370.602	84945	84893	84767
Cd 226.502	-0.4064	-0.1604	-0.2752
Co 228.615	45.6903	45.4264	44.1595
Cr 267.716	2.2056	1.5564	1.5642
Cu 324.754	-0.2508u	-0.1823u	-0.6501u
Fe 271.441	8670.98	8667.28	8658.73
K 766.491	1706.97	1707.32	1707.84
Mg 279.078	4970.61	4968.91	4977.01
Mn 257.610	7483.31	7491.51	7475.24
Mo 202.032	3.6897	3.3932	2.9882
Na 330.237	106668x	106152x	106397x
Ni 231.604	15.5530	14.5002	16.1598
Pb 220.353	0.1464	1.1606	0.2312
Sb 206.834	2.3831	-3.0124u	2.8963
Se 196.026	8.4631	7.6445	0.8021
Sn 189.925	2.9656	-1.8916u	1.9474
Sr 216.596	358.480	358.961	358.699
Ti 334.941	0.5026	0.4159	0.4260
Tl 190.794	8.6832u	9.2473u	12.4624
V 292.401	-0.3157u	-0.1472u	-0.3731u
Zn 206.200	-0.7867u	0.6586	1.5084

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1411b	ppb	0.2553	181.0	-23.8942
Al 308.215	35.9701b	ppb	1.1277	3.1	37.0858
As 188.980	8.9359b	ppb	7.0253	78.6	-6.7170
B 249.678	22.2452b	ppb	1.0192	4.6	708.982
Ba 389.178	197.359b	ppb	0.6936	0.4	3587.08
Be 313.042	-0.0126b	ppb	0.0045	35.6	-324.536
Ca 370.602	84868b	ppb	91.42	0.1	200361
Cd 226.502	-0.2806b	ppb	0.1231	43.9	53.0096
Co 228.615	45.0920b	ppb	0.8183	1.8	381.705
Cr 267.716	1.7754b	ppb	0.3726	21.0	41.6805
Cu 324.754	-0.3611b	ppb	0.2527	70.0	130.299
Fe 271.441	8665.67b	ppb	6.2846	0.1	12610.5
K 766.491	1707.38b	ppb	0.4369	0.0	46622.8
Mg 279.078	4972.18b	ppb	4.2698	0.1	8943.27
Mn 257.610	7483.35b	ppb	8.1314	0.1	1546333
Mo 202.032	3.3571b	ppb	0.3522	10.5	41.2645
Na 330.237	106406xb	ppb	257.960	0.2	4227.03
Ni 231.604	15.4044b	ppb	0.8397	5.5	28.1661
Pb 220.353	0.5127b	ppb	0.5627	109.7	35.2741
Sb 206.834	0.7557b	ppb	3.2733	433.2	0.1936
Se 196.026	5.6366b	ppb	4.2067	74.6	13.5052
Sn 189.925	1.0072b	ppb	2.5615	254.3	-7.4294
Sr 216.596	358.713b	ppb	0.2410	0.1	3083.02
Ti 334.941	0.4482b	ppb	0.0474	10.6	81.9332
Tl 190.794	10.1310b	ppb	2.0387	20.1	-11.4206
V 292.401	-0.2787b	ppb	0.1174	42.1	-14.4068
Zn 206.200	0.4601b	ppb	1.1604	352.3	3.1306

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680-89365-e-3-a (Samp) 4/25/2013, 1:19:11 AM Rack 2, Tube 44

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2466u	-0.5647u	-0.5890u
Al 308.215	3753.21	3749.91	3733.62
As 188.980	11.2693	7.9245	-11.5957u
B 249.678	70.1236	70.4741	70.9830
Ba 389.178	241.698	244.040	243.086
Be 313.042	4.9176	4.9060	4.9226
Ca 370.602	43460	43465	43486
Cd 226.502	-0.2120	-0.3446	-0.1104
Co 228.615	16.7994	16.8927	16.5019
Cr 267.716	4.1685	3.9047	3.9377
Cu 324.754	5.4188	5.2302	5.1621
Fe 271.441	8636.00	8642.69	8653.73
K 766.491	1870.77	1867.54	1874.49
Mg 279.078	2586.85	2579.22	2586.94
Mn 257.610	645.459	644.727	646.310
Mo 202.032	7.4841	7.8275	7.6215
Na 330.237	169961x	170769x	170134x
Ni 231.604	12.3249	13.0637	12.1564
Pb 220.353	20.6882	19.3032	24.3537
Sb 206.834	3.7162	2.2175	-2.7856u
Se 196.026	6.9793	-1.0099u	8.4999
Sn 189.925	-4.5500u	0.1882	-1.8770u
Sr 216.596	296.835	296.848	296.934
Ti 334.941	13.3950	13.2915	13.4260
Tl 190.794	-1.7176u	-3.3305u	-8.4053u
V 292.401	8.5309	9.0858	8.9362
Zn 206.200	49.6763	48.2830	51.6496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4667b	ppb	0.1911	40.9	-69.7678
Al 308.215	3745.58b	ppb	10.4900	0.3	7222.91
As 188.980	2.5327b	ppb	12.3494	487.6	-9.3798
B 249.678	70.5269b	ppb	0.4321	0.6	1226.47
Ba 389.178	242.941b	ppb	1.1779	0.5	4413.51
Be 313.042	4.9154b	ppb	0.0085	0.2	7265.78
Ca 370.602	43470b	ppb	13.72	0.0	102307
Cd 226.502	-0.2223b	ppb	0.1174	52.8	54.4033
Co 228.615	16.7313b	ppb	0.2041	1.2	136.952
Cr 267.716	4.0037b	ppb	0.1437	3.6	86.7159
Cu 324.754	5.2704b	ppb	0.1330	2.5	392.756
Fe 271.441	8644.14b	ppb	8.9537	0.1	12575.5
K 766.491	1870.94b	ppb	3.4775	0.2	51070.6
Mg 279.078	2584.34b	ppb	4.4288	0.2	4708.70
Mn 257.610	645.499b	ppb	0.7919	0.1	133460
Mo 202.032	7.6444b	ppb	0.1728	2.3	67.9842
Na 330.237	170288xb	ppb	425.266	0.2	6730.57
Ni 231.604	12.5150b	ppb	0.4826	3.9	21.5060
Pb 220.353	21.4484b	ppb	2.6096	12.2	61.1340
Sb 206.834	1.0494b	ppb	3.4047	324.4	0.4742
Se 196.026	4.8231b	ppb	5.1084	105.9	11.6745
Sn 189.925	-2.0796b	ppb	2.3756	114.2	-9.3890
Sr 216.596	296.872b	ppb	0.0536	0.0	2553.41
Ti 334.941	13.3708b	ppb	0.0704	0.5	2883.84
Tl 190.794	-4.4845b	ppb	3.4900	77.8	-15.2147
V 292.401	8.8510b	ppb	0.2871	3.2	194.860
Zn 206.200	49.8696b	ppb	1.6916	3.4	49.3368

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680-89365-e-4-a (Samp) 4/25/2013, 1:24:47 AM Rack 2, Tube 45
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1756u	-0.1947u	-0.3869u
Al 308.215	42.7436	45.0185	42.4848
As 188.980	7.5441	6.1312	12.9653
B 249.678	22.5320	23.9018	22.8307
Ba 389.178	190.747	190.223	192.073
Be 313.042	-0.0199u	-0.0218u	-0.0043
Ca 370.602	115769	115829	115975
Cd 226.502	-0.3224	-0.2293	-0.3861
Co 228.615	4.8696	4.3454	5.1423
Cr 267.716	0.6800	0.6719	0.8912
Cu 324.754	-0.1220u	-0.1644u	-0.6840u
Fe 271.441	10884.5	10890.9	10915.4
K 766.491	1679.65	1679.22	1686.13
Mg 279.078	4254.27	4268.27	4266.03
Mn 257.610	1262.32	1264.61	1266.57
Mo 202.032	5.2216	5.0109	5.2865
Na 330.237	143774x	143574x	144052x
Ni 231.604	4.4174	5.8786	6.2830
Pb 220.353	3.2040	-1.3980u	3.0165
Sb 206.834	-2.2288u	-4.4110u	-3.0519u
Se 196.026	-4.5148u	16.8751	-0.9175u
Sn 189.925	-2.3319u	-2.3530u	-2.5907u
Sr 216.596	558.377	558.365	557.199
Ti 334.941	0.8184	0.8169	0.8516
Tl 190.794	-2.9642u	-4.4795u	0.3380u
V 292.401	-0.3084u	-0.2028u	-0.3103u
Zn 206.200	-0.4925u	-0.7085u	2.8383

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2524b	ppb	0.1169	46.3	-64.2065
Al 308.215	43.4156b	ppb	1.3942	3.2	51.5847
As 188.980	8.8802b	ppb	3.6076	40.6	-6.7258
B 249.678	23.0882b	ppb	0.7202	3.1	715.628
Ba 389.178	191.015b	ppb	0.9535	0.5	3472.52
Be 313.042	-0.0153b	ppb	0.0096	62.8	-321.913
Ca 370.602	115857b	ppb	106.3	0.1	273392
Cd 226.502	-0.3126b	ppb	0.0789	25.2	58.8516
Co 228.615	4.7858b	ppb	0.4050	8.5	33.5476
Cr 267.716	0.7477b	ppb	0.1243	16.6	-1.4085
Cu 324.754	-0.3235b	ppb	0.3130	96.7	132.712
Fe 271.441	10896.9b	ppb	16.3061	0.1	15843.3
K 766.491	1681.67b	ppb	3.8741	0.2	45923.7
Mg 279.078	4262.86b	ppb	7.5187	0.2	7743.67
Mn 257.610	1264.50b	ppb	2.1257	0.2	261375
Mo 202.032	5.1730b	ppb	0.1441	2.8	52.4915
Na 330.237	143800xb	ppb	239.605	0.2	5692.21
Ni 231.604	5.5263b	ppb	0.9814	17.8	5.4353
Pb 220.353	1.6075b	ppb	2.6045	162.0	35.6527
Sb 206.834	-3.2306b	ppb	1.1020	34.1	-3.3805
Se 196.026	3.8143b	ppb	11.4531	300.3	11.3836
Sn 189.925	-2.4252b	ppb	0.1437	5.9	-9.5918
Sr 216.596	557.980b	ppb	0.6764	0.1	4781.66
Ti 334.941	0.8290b	ppb	0.0196	2.4	160.606
Tl 190.794	-2.3686b	ppb	2.4634	104.0	-14.3225
V 292.401	-0.2738b	ppb	0.0615	22.5	-14.8239
Zn 206.200	0.5458b	ppb	1.9884	364.3	3.2102

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680-89365-e-5-a (Samp) 4/25/2013, 1:30:23 AM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3748u	0.0719u	-0.4804u
Al 308.215	885.138	809.639	901.465
As 188.980	-0.5722u	0.8259	1.5286
B 249.678	44.2452	38.6456	45.5429
Ba 389.178	78.0671	72.0063	78.2433
Be 313.042	0.7551	0.6927	0.7523
Ca 370.602	23961	21958	24304
Cd 226.502	-0.0801	-0.4896u	-0.0755
Co 228.615	0.8251	0.9480	1.0680
Cr 267.716	0.8525	0.3007	0.9272
Cu 324.754	0.2824	0.1016	0.1845
Fe 271.441	1853.75	1698.31	1898.13
K 766.491	813.940	763.583	819.564
Mg 279.078	1007.16	923.065	1024.19
Mn 257.610	139.630	127.943	141.632
Mo 202.032	33.5698	30.0477	33.8032
Na 330.237	108016x	99793.5x	108970x
Ni 231.604	2.0148	2.2683	1.3667
Pb 220.353	0.8920	7.1841	3.5403
Sb 206.834	-6.2733u	-5.4338u	2.6815
Se 196.026	5.4677	4.3342	0.4742
Sn 189.925	-0.7882u	0.3032	-1.3064u
Sr 216.596	145.438	132.752	146.564
Ti 334.941	3.8464	3.4812	3.8803
Tl 190.794	-2.7472u	-2.8829u	-3.8505u
V 292.401	0.3754	0.3156	0.9371
Zn 206.200	4.2002	0.8696	4.5707

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2611b	ppb	0.2932	112.3	-51.4238
Al 308.215	865.414b	ppb	48.9875	5.7	1645.06
As 188.980	0.5941b	ppb	1.0694	180.0	-10.2351
B 249.678	42.8112b	ppb	3.6654	8.6	936.724
Ba 389.178	76.1056b	ppb	3.5511	4.7	1360.28
Be 313.042	0.7334b	ppb	0.0352	4.8	807.611
Ca 370.602	23408b	ppb	1267	5.4	55255
Cd 226.502	-0.2151b	ppb	0.2377	110.5	33.5599
Co 228.615	0.9470b	ppb	0.1214	12.8	-0.0018
Cr 267.716	0.6934b	ppb	0.3422	49.3	-7.2910
Cu 324.754	0.1895b	ppb	0.0905	47.8	154.809
Fe 271.441	1816.73b	ppb	104.928	5.8	2664.83
K 766.491	799.029b	ppb	30.8259	3.9	21921.2
Mg 279.078	984.805b	ppb	54.1428	5.5	1816.24
Mn 257.610	136.402b	ppb	7.3933	5.4	28243.2
Mo 202.032	32.4735b	ppb	2.1041	6.5	223.112
Na 330.237	105593xb	ppb	5045.25	4.8	4196.72
Ni 231.604	1.8833b	ppb	0.4650	24.7	-3.1282
Pb 220.353	3.8722b	ppb	3.1592	81.6	38.3508
Sb 206.834	-3.0085b	ppb	4.9455	164.4	-3.6988
Se 196.026	3.4254b	ppb	2.6179	76.4	10.9248
Sn 189.925	-0.5971b	ppb	0.8216	137.6	-8.4693
Sr 216.596	141.585b	ppb	7.6700	5.4	1227.87
Ti 334.941	3.7360b	ppb	0.2213	5.9	783.414
Tl 190.794	-3.1602b	ppb	0.6016	19.0	-13.2383
V 292.401	0.5427b	ppb	0.3429	63.2	-0.2983
Zn 206.200	3.2135b	ppb	2.0383	63.4	5.7052

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680-89365-e-6-a (Samp) 4/25/2013, 1:35:59 AM Rack 2, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2065u	-0.4373u	-0.2839u
Al 308.215	48.3317	46.8223	50.6388
As 188.980	4.3292	-2.7690u	2.6104
B 249.678	-26.2837u	-25.9622u	-26.5828u
Ba 389.178	24.2844	24.7710	24.7959
Be 313.042	-0.0200u	-0.0160u	-0.0182u
Ca 370.602	50763	50696	50511
Cd 226.502	-0.2567u	-0.1775u	0.0065
Co 228.615	-0.6681u	-0.5491u	0.5337
Cr 267.716	16.0869	15.8654	16.0625
Cu 324.754	0.1545	-0.2162u	0.9112
Fe 271.441	34.7492	23.9216	31.0158
K 766.491	3152.70	3149.33	3146.85
Mg 279.078	778.971	778.085	768.602
Mn 257.610	5.8872	5.7730	5.9115
Mo 202.032	2.0087	1.5472	0.3070
Na 330.237	6634.82	6242.82	6389.32
Ni 231.604	-0.0900u	1.1498	2.5325
Pb 220.353	3.2807	-1.8575u	1.1646
Sb 206.834	-3.1859u	-5.0245u	-7.2324u
Se 196.026	2.8904	1.1287	6.5672
Sn 189.925	-1.8714u	0.2018	-4.2970u
Sr 216.596	79.0078	79.1940	77.6424
Ti 334.941	0.5769	0.5965	0.5366
Tl 190.794	-7.0903u	-0.0729u	-3.7744u
V 292.401	0.8345	0.9640	0.8078
Zn 206.200	6.9800	5.2335	2.9299

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3093	ppb	0.1175	38.0	-52.4111
Al 308.215	48.5976	ppb	1.9221	4.0	61.4530
As 188.980	1.3902	ppb	3.7031	266.4	-9.9103
B 249.678	-26.2762	ppb	0.3104	1.2	198.196
Ba 389.178	24.6171	ppb	0.2884	1.2	418.783
Be 313.042	-0.0181	ppb	0.0020	10.8	-331.878
Ca 370.602	50657	ppb	130.4	0.3	119810
Cd 226.502	-0.1426	ppb	0.1350	94.7	30.5831
Co 228.615	-0.2278	ppb	0.6622	290.7	-9.3447
Cr 267.716	16.0049	ppb	0.1215	0.8	413.159
Cu 324.754	0.2832	ppb	0.5746	202.9	157.875
Fe 271.441	29.8955	ppb	5.5000	18.4	71.5334
K 766.491	3149.63	ppb	2.9364	0.1	85843.5
Mg 279.078	775.219	ppb	5.7481	0.7	1438.09
Mn 257.610	5.8572	ppb	0.0739	1.3	1264.94
Mo 202.032	1.2876	ppb	0.8800	68.3	28.7316
Na 330.237	6422.32	ppb	198.076	3.1	310.119
Ni 231.604	1.1974	ppb	1.3119	109.6	-4.7421
Pb 220.353	0.8626	ppb	2.5824	299.4	34.4835
Sb 206.834	-5.1476	ppb	2.0261	39.4	-5.1553
Se 196.026	3.5288	ppb	2.7749	78.6	10.9321
Sn 189.925	-1.9889	ppb	2.2517	113.2	-9.3701
Sr 216.596	78.6147	ppb	0.8472	1.1	694.697
Ti 334.941	0.5700	ppb	0.0306	5.4	98.7672
Tl 190.794	-3.6459	ppb	3.5105	96.3	-13.3939
V 292.401	0.8688	ppb	0.0836	9.6	12.1297
Zn 206.200	5.0478	ppb	2.0315	40.2	7.3930

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680-89447-e-1-b (Samp) 4/25/2013, 1:41:35 AM Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5489u	-0.7593u	-0.5399u
Al 308.215	109.725	101.576	100.588
As 188.980	7.3587	-6.6716u	-5.8593u
B 249.678	2370.72	2380.37	2387.04
Ba 389.178	12.2511	12.0096	11.5710
Be 313.042	0.1058u	0.0987u	0.1039u
Ca 370.602	216870	214371	212521
Cd 226.502	0.3617	0.2186	0.4026
Co 228.615	0.7844	2.1517	1.7568
Cr 267.716	9.2240	8.5977	8.4825
Cu 324.754	0.9238	0.9084	1.0443
Fe 271.441	913.914	911.920	909.112
K 766.491	224472x	224450x	224350x
Mg 279.078	260878	260585	259476
Mn 257.610	71.4714	71.3854	71.1167
Mo 202.032	1.1173	1.4336	1.9726
Na 330.237	2806261x	2811593x	2826475x
Ni 231.604	7.6333	5.1552	7.8949
Pb 220.353	2.7432	8.5850	1.3778
Sb 206.834	-1.3375u	2.8880	-10.3502u
Se 196.026	12.4993	11.3126	25.1940
Sn 189.925	-3.3424u	1.4023	-0.2481
Sr 216.596	3636.63	3622.76	3604.32
Ti 334.941	-0.5580	-0.5543	-0.4729
Tl 190.794	-8.5737u	-8.6274u	-13.6177u
V 292.401	12.3572	11.3649	11.2618
Zn 206.200	20.7681	19.2352	20.9155

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6160b	ppb	0.1241	20.2	-216.283
Al 308.215	103.963b	ppb	5.0145	4.8	168.657
As 188.980	-1.7241b	ppb	7.8764	456.8	-11.1992
B 249.678	2379.38b	ppb	8.2036	0.3	25980.4
Ba 389.178	11.9439b	ppb	0.3448	2.9	723.252
Be 313.042	0.1028b	ppb	0.0037	3.6	-364.714
Ca 370.602	214587b	ppb	2183	1.0	507489
Cd 226.502	0.3276b	ppb	0.0966	29.5	38.3916
Co 228.615	1.5643b	ppb	0.7037	45.0	6.2451
Cr 267.716	8.7681b	ppb	0.3990	4.6	240.742
Cu 324.754	0.9589b	ppb	0.0744	7.8	189.526
Fe 271.441	911.649b	ppb	2.4125	0.3	1351.44
K 766.491	224424xb	ppb	64.8489	0.0	6103186
Mg 279.078	260313b	ppb	739.113	0.3	471840
Mn 257.610	71.3245b	ppb	0.1850	0.3	16135.3
Mo 202.032	1.5079b	ppb	0.4324	28.7	30.0497
Na 330.237	2814776xb	ppb	10476.0	0.4	110384
Ni 231.604	6.8945b	ppb	1.5119	21.9	8.4074
Pb 220.353	4.2353b	ppb	3.8283	90.4	38.8523
Sb 206.834	-2.9333b	ppb	6.7618	230.5	-3.1983
Se 196.026	16.3353b	ppb	7.6948	47.1	16.4915
Sn 189.925	-0.7294b	ppb	2.4087	330.2	-7.8054
Sr 216.596	3621.23b	ppb	16.2095	0.4	30847.4
Ti 334.941	-0.5284b	ppb	0.0481	9.1	612.738
Tl 190.794	-10.2729b	ppb	2.8968	28.2	-18.9771
V 292.401	11.6613b	ppb	0.6049	5.2	246.350
Zn 206.200	20.3063b	ppb	0.9305	4.6	215.6755

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Cont Calib Verif (CCV) 4/25/2013, 1:47:11 AM Rack 2, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	497.870	499.590	491.755
Al 308.215	5018.68	4973.07	4953.14
As 188.980	500.976	510.508	501.757
B 249.678	522.771	522.842	517.380
Ba 389.178	5147.40	5128.41	5088.12
Be 313.042	532.565	529.941	526.734
Ca 370.602	5063	5023	4993
Cd 226.502	527.609	524.014	519.787
Co 228.615	528.302	522.658	519.933
Cr 267.716	5264.09	5220.77	5194.33
Cu 324.754	5154.54	5137.36	5074.30
Fe 271.441	5047.59	5040.45	4960.89
K 766.491	10101.7	10092.2	10023.7
Mg 279.078	5139.63	5088.21	5057.25
Mn 257.610	5300.26	5263.36	5228.77
Mo 202.032	499.624	497.375	493.679
Na 330.237	7564.79	7682.98	7263.27
Ni 231.604	2658.73	2643.38	2621.23
Pb 220.353	507.097	495.197	496.337
Sb 206.834	975.620	963.576	964.338
Se 196.026	5104.35	5051.33	5006.99
Sn 189.925	5111.85	5076.14	5022.43
Sr 216.596	2556.88	2537.41	2518.37
Ti 334.941	502.869	501.109	497.219
Tl 190.794	5069.18	5050.37	5027.09
V 292.401	5032.82	5014.52	4971.93
Zn 206.200	2647.49	2636.25	2613.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.405	ppb	4.1179	0.8	32398.8	99.28102
Al 308.215	4981.63	ppb	33.5981	0.7	9608.99	99.63256
As 188.980	504.414	ppb	5.2924	1.0	199.151	100.88277
B 249.678	520.998	ppb	3.1330	0.6	6058.23	20.83990Q
Ba 389.178	5121.31	ppb	30.2717	0.6	93386.9	102.42614
Be 313.042	529.747	ppb	2.9201	0.6	817185	105.94930
Ca 370.602	5026	ppb	34.92	0.7	11791	100.52280
Cd 226.502	523.803	ppb	3.9155	0.7	15981.5	104.76067
Co 228.615	523.631	ppb	4.2686	0.8	4521.56	104.72623
Cr 267.716	5226.39	ppb	35.2187	0.7	143990	104.52784
Cu 324.754	5122.07	ppb	42.2518	0.8	238816	102.44136
Fe 271.441	5016.31	ppb	48.1257	1.0	7417.49	100.32624
K 766.491	10072.5	ppb	42.5878	0.4	274105	100.72520
Mg 279.078	5095.03	ppb	41.6084	0.8	9194.68	101.90060
Mn 257.610	5264.13	ppb	35.7518	0.7	1087782	105.28262
Mo 202.032	496.893	ppb	3.0018	0.6	3110.72	99.37859
Na 330.237	7503.68	ppb	216.421	2.9	333.501	100.04903
Ni 231.604	2641.12	ppb	18.8552	0.7	6081.07	105.64462
Pb 220.353	499.543	ppb	6.5663	1.3	679.003	99.90870
Sb 206.834	967.844	ppb	6.7446	0.7	918.550	96.78444
Se 196.026	5054.22	ppb	48.7477	1.0	2196.70	101.08448
Sn 189.925	5070.14	ppb	45.0111	0.9	3214.88	101.40276
Sr 216.596	2537.55	ppb	19.2567	0.8	21562.9	101.50220
Ti 334.941	500.399	ppb	2.8913	0.6	108940	100.07985
Tl 190.794	5048.88	ppb	21.0832	0.4	4147.27	100.97762
V 292.401	5006.42	ppb	31.2400	0.6	115032	100.12846
Zn 206.200	2632.32	ppb	17.4814	0.7	2455.17	105.29268

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Cont Calib Blank (CCB) 4/25/2013, 1:52:46 AM Rack 2, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2278u	-0.0294u	-0.0467u
Al 308.215	3.5414	-1.7389u	4.3544
As 188.980	-2.4011u	-1.7294u	-8.9357u
B 249.678	-12.1782u	-13.3418u	-14.7343u
Ba 389.178	0.4253	0.3351	0.1954
Be 313.042	0.0047	0.0054	0.0009
Ca 370.602	3.575	2.546	-1.498u
Cd 226.502	-0.1732u	-0.4244u	0.0728
Co 228.615	0.5594	0.1903	-0.7004u
Cr 267.716	0.1097	-0.2402u	0.0516
Cu 324.754	-0.2519u	-0.6290u	0.5585
Fe 271.441	4.7831	-3.9668u	4.0519
K 766.491	-0.2420u	0.5023	-0.2741u
Mg 279.078	0.2987	1.5721	4.5493
Mn 257.610	0.0174	-0.0004u	-0.0124u
Mo 202.032	-0.8421u	-0.3926u	-0.8496u
Na 330.237	-44.5663u	-125.060u	177.013
Ni 231.604	1.7034	0.5263	1.7184
Pb 220.353	3.4187	-0.6267u	2.6062
Sb 206.834	-2.0872u	-1.3692u	2.5283
Se 196.026	-4.1200u	3.7879	2.7218
Sn 189.925	-1.1297u	-3.3782u	-0.2420u
Sr 216.596	0.6639	0.0248	0.2527
Ti 334.941	-0.1159u	-0.0701u	-0.0339u
Tl 190.794	-2.0020u	-2.6046u	-3.4531u
V 292.401	0.4625	-0.1439u	0.2880
Zn 206.200	-0.5413u	-0.9613u	-1.6748u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1013	ppb	0.1099	108.5	-35.6517	-0.10130
Al 308.215	2.0523	ppb	3.3083	161.2	-28.7991	2.05231
As 188.980	-4.3554	ppb	3.9809	91.4	-12.2987	-4.35542
B 249.678	-13.4181	ppb	1.2797	9.5	336.027	-13.41808
Ba 389.178	0.3186	ppb	0.1158	36.4	-25.9582	0.31858
Be 313.042	0.0037	ppb	0.0024	65.5	-311.887	0.00368
Ca 370.602	1.541	ppb	2.682	174.1	0.7532	1.54073
Cd 226.502	-0.1750	ppb	0.2486	142.1	29.5304	-0.17495
Co 228.615	0.0164	ppb	0.6477	3942.4	-7.2347	0.01643
Cr 267.716	-0.0263	ppb	0.1875	712.7	-28.7227	-0.02631
Cu 324.754	-0.1075	ppb	0.6068	564.7	139.614	-0.10746
Fe 271.441	1.6228	ppb	4.8545	299.2	30.4839	1.62276
K 766.491	-0.0046	ppb	0.4393	9536.0	192.243	-0.00461
Mg 279.078	2.1400	ppb	2.1815	101.9	36.9947	2.14003
Mn 257.610	0.0015	ppb	0.0150	984.1	50.3375	0.00153
Mo 202.032	-0.6948	ppb	0.2617	37.7	16.3726	-0.69477
Na 330.237	2.4624	ppb	156.432	6352.8	58.5277	2.46239
Ni 231.604	1.3160	ppb	0.6839	52.0	-4.4692	1.31604
Pb 220.353	1.7994	ppb	2.1400	118.9	35.6965	1.79942
Sb 206.834	-0.3094	ppb	2.4836	802.7	-0.8994	-0.30939
Se 196.026	0.7966	ppb	4.2911	538.7	9.7489	0.79657
Sn 189.925	-1.5833	ppb	1.6166	102.1	-9.1304	-1.58330
Sr 216.596	0.3138	ppb	0.3239	103.2	24.4539	0.31380
Ti 334.941	-0.0733	ppb	0.0411	56.1	-43.6650	-0.07331
Tl 190.794	-2.6866	ppb	0.7290	27.1	-12.5942	-2.68656
V 292.401	0.2022	ppb	0.3122	154.4	-2.0371	0.20219
Zn 206.200	-1.0591	ppb	0.5730	54.1	515.7103	-1.05913

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680-89447-h-1-b (Samp) 4/25/2013, 1:58:22 AM Rack 2, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7319u	-0.4840u	-0.6328u
Al 308.215	54.1802	49.5468	43.5285
As 188.980	-7.8744u	1.3255	-8.9186u
B 249.678	2187.32	2196.68	2204.22
Ba 389.178	9.1600	10.4732	11.0391
Be 313.042	0.0745u	0.0622u	0.0739u
Ca 370.602	173421	173392	173405
Cd 226.502	0.1568u	0.1346u	0.2672
Co 228.615	-0.7620u	0.3308	-1.0491u
Cr 267.716	7.3007	8.0519	7.6704
Cu 324.754	0.6591	1.0628	1.2439
Fe 271.441	23.6011	28.7675	13.8453
K 766.491	202032x	195562x	204012x
Mg 279.078	220975	220982	220717
Mn 257.610	69.9069	69.9628	69.9535
Mo 202.032	1.1805	-0.4170u	1.0693
Na 330.237	2316917x	2297705x	2295549x
Ni 231.604	6.2394	6.5108	5.7230
Pb 220.353	8.0543	-0.0347u	3.1018
Sb 206.834	-3.7608u	0.1492	-2.7272u
Se 196.026	20.5606	17.1364	3.2374
Sn 189.925	-6.0760u	1.3616	-5.3894u
Sr 216.596	2938.46	2931.21	2923.77
Ti 334.941	-0.8885	-0.9553	-0.9702
Tl 190.794	-10.1718u	-6.3277u	-9.0377u
V 292.401	9.5357	9.4033	9.4710
Zn 206.200	7.8207	4.5393	8.0554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6162b	ppb	0.1248	20.2	-187.972
Al 308.215	49.0852b	ppb	5.3408	10.9	62.3281
As 188.980	-5.1558b	ppb	5.6372	109.3	-12.6315
B 249.678	2196.07b	ppb	8.4692	0.4	24016.7
Ba 389.178	10.2241b	ppb	0.9640	9.4	609.388
Be 313.042	0.0702b	ppb	0.0069	9.9	-378.880
Ca 370.602	173406b	ppb	14.54	0.0	410140
Cd 226.502	0.1862b	ppb	0.0710	38.1	33.0909
Co 228.615	-0.4934b	ppb	0.7281	147.6	-11.5124
Cr 267.716	7.6744b	ppb	0.3756	4.9	205.602
Cu 324.754	0.9886b	ppb	0.2993	30.3	190.663
Fe 271.441	22.0713b	ppb	7.5779	34.3	60.2270
K 766.491	200535xb	ppb	4419.14	2.2	5453556
Mg 279.078	220891b	ppb	150.993	0.1	400390
Mn 257.610	69.9410b	ppb	0.0299	0.0	15643.0
Mo 202.032	0.6109b	ppb	0.8920	146.0	24.4987
Na 330.237	2303390xb	ppb	11764.2	0.5	90340.4
Ni 231.604	6.1577b	ppb	0.4002	6.5	6.6928
Pb 220.353	3.7071b	ppb	4.0783	110.0	38.1715
Sb 206.834	-2.1129b	ppb	2.0261	95.9	-2.4774
Se 196.026	13.6448b	ppb	9.1743	67.2	15.3227
Sn 189.925	-3.3679b	ppb	4.1102	122.0	-9.6255
Sr 216.596	2931.15b	ppb	7.3427	0.3	24972.9
Ti 334.941	-0.9380b	ppb	0.0435	4.6	413.412
Tl 190.794	-8.5124b	ppb	1.9751	23.2	-17.4864
V 292.401	9.4700b	ppb	0.0662	0.7	198.831
Zn 206.200	6.8052b	ppb	1.9658	28.9	9.0504

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6384u	-0.7570u	-1.3821u
Al 308.215	2925.53	2940.79	2964.42
As 188.980	-2.8288u	-9.5294u	2.7658
B 249.678	2703.05	2708.45	2732.39
Ba 389.178	22.1567	23.0019	21.3395
Be 313.042	0.4478	0.4588	0.4451
Ca 370.602	521658	524280	524103
Cd 226.502	1.0283	1.2188	1.1247
Co 228.615	-1.4499u	-0.8927u	-1.1975u
Cr 267.716	11.3008	11.1036	11.3875
Cu 324.754	0.0401	0.3921	0.6757
Fe 271.441	484.976	486.675	494.280
K 766.491	325189x	326174x	329452x
Mg 279.078	587614	590337	591345
Mn 257.610	178.406	178.406	180.064
Mo 202.032	-1.3819u	-1.7288u	-0.9795u
Na 330.237	6492537x	6493124x	6568139x
Ni 231.604	5.8094	0.3056	4.8761
Pb 220.353	9.7033	15.3084	12.6868
Sb 206.834	0.1620	-6.8791u	-2.0940u
Se 196.026	10.8071	5.3003	21.6645
Sn 189.925	-0.4060	-3.5919u	-6.9601u
Sr 216.596	6702.74x	6723.33x	6736.74x
Ti 334.941	1.8471	1.8843	2.1446
Tl 190.794	-10.9060u	-17.0638u	-13.7402u
V 292.401	10.2329	9.8287	10.5819
Zn 206.200	46.1496	39.5753	42.3397

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9258b	ppb	0.3996	43.2	-363.635
Al 308.215	2943.58b	ppb	19.5905	0.7	5669.02
As 188.980	-3.1975b	ppb	6.1559	192.5	-11.8139
B 249.678	2714.63b	ppb	15.6133	0.6	29574.1
Ba 389.178	22.1660b	ppb	0.8313	3.8	1586.95
Be 313.042	0.4506b	ppb	0.0073	1.6	-81.9155
Ca 370.602	523347b	ppb	1466	0.3	1237801
Cd 226.502	1.1239b	ppb	0.0953	8.5	48.9994
Co 228.615	-1.1800b	ppb	0.2790	23.6	-17.1825
Cr 267.716	11.2640b	ppb	0.1455	1.3	345.056
Cu 324.754	0.3693b	ppb	0.3184	86.2	161.888
Fe 271.441	488.644b	ppb	4.9543	1.0	737.356
K 766.491	326939xb	ppb	2231.95	0.7	8890965
Mg 279.078	589765b	ppb	1929.82	0.3	1068959
Mn 257.610	178.959b	ppb	0.9574	0.5	40075.0
Mo 202.032	-1.3634b	ppb	0.3750	27.5	12.1673
Na 330.237	6517933xb	ppb	43480.7	0.7	255530
Ni 231.604	3.6637b	ppb	2.9454	80.4	0.9530
Pb 220.353	12.5662b	ppb	2.8045	22.3	49.6033
Sb 206.834	-2.9370b	ppb	3.5955	122.4	-3.1430
Se 196.026	12.5906b	ppb	8.3266	66.1	14.8948
Sn 189.925	-3.6527b	ppb	3.2775	89.7	-8.6285
Sr 216.596	6720.94xb	ppb	17.1261	0.3	57243.2
Ti 334.941	1.9587b	ppb	0.1620	8.3	2101.29
Tl 190.794	-13.9033b	ppb	3.0821	22.2	-22.0932
V 292.401	10.2145b	ppb	0.3770	3.7	193.752
Zn 206.200	42.6882b	ppb	3.3010	7.7	42.6028

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680-89447-e-2-b (Samp) 4/25/2013, 2:09:33 AM Rack 2, Tube 53

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8442u	-0.2738u	-0.5660u
Al 308.215	125.708	124.514	132.119
As 188.980	4.6793	6.8243	-1.3832u
B 249.678	2727.99	2741.95	2766.67
Ba 389.178	14.4346	15.3875	15.9013
Be 313.042	0.3003u	0.3073u	0.3041u
Ca 370.602	231358	232435	233917
Cd 226.502	0.7895	0.6937u	0.8936
Co 228.615	-1.7051u	-1.5599u	-0.7604u
Cr 267.716	1.5306	0.6552	1.1008
Cu 324.754	1.5463	1.6418	1.1426
Fe 271.441	66.3134	68.3494	63.9161
K 766.491	325384x	327223x	329262x
Mg 279.078	541931	546295	549170
Mn 257.610	80.8519	81.0075	81.7923
Mo 202.032	-0.2121u	-0.5004u	0.2273
Na 330.237	6471593x	6536375x	6566112x
Ni 231.604	4.8263	4.9077	6.2895
Pb 220.353	10.2088	5.4149	10.9917
Sb 206.834	-1.2112u	-1.3970u	0.6568
Se 196.026	14.3823	13.9336	7.2859
Sn 189.925	-6.3284u	-8.3793u	-9.1424u
Sr 216.596	4046.81	4052.72	4082.38
Ti 334.941	-5.7133	-5.8867	-5.6669
Tl 190.794	-9.3760u	-15.6800u	-10.4169u
V 292.401	4.4899	4.8196	4.8906
Zn 206.200	4.8655	7.3243	10.6717

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5613b	ppb	0.2852	50.8	-234.115
Al 308.215	127.447b	ppb	4.0901	3.2	214.107
As 188.980	3.3735b	ppb	4.2567	126.2	-9.0852
B 249.678	2745.53b	ppb	19.5874	0.7	29905.8
Ba 389.178	15.2411b	ppb	0.7442	4.9	1370.03
Be 313.042	0.3039b	ppb	0.0035	1.2	-390.580
Ca 370.602	232570b	ppb	1285	0.6	550073
Cd 226.502	0.7923b	ppb	0.0999	12.6	37.0638
Co 228.615	-1.3418b	ppb	0.5087	37.9	-18.7722
Cr 267.716	1.0955b	ppb	0.4377	40.0	64.6924
Cu 324.754	1.4435b	ppb	0.2650	18.4	211.908
Fe 271.441	66.1930b	ppb	2.2191	3.4	124.134
K 766.491	327290xb	ppb	1939.71	0.6	8900516
Mg 279.078	545799b	ppb	3644.94	0.7	989273
Mn 257.610	81.2172b	ppb	0.5040	0.6	19646.8
Mo 202.032	-0.1617b	ppb	0.3665	226.6	19.6876
Na 330.237	6524694xb	ppb	48329.9	0.7	255796
Ni 231.604	5.3412b	ppb	0.8223	15.4	4.8114
Pb 220.353	8.8718b	ppb	3.0192	34.0	44.8508
Sb 206.834	-0.6505b	ppb	1.1359	174.6	-1.1876
Se 196.026	11.8673b	ppb	3.9739	33.5	14.5584
Sn 189.925	-7.9500b	ppb	1.4553	18.3	-11.4485
Sr 216.596	4060.64b	ppb	19.0606	0.5	34586.9
Ti 334.941	-5.7557b	ppb	0.1159	2.0	266.815
Tl 190.794	-11.8243b	ppb	3.3795	28.6	-20.2447
V 292.401	4.7334b	ppb	0.2138	4.5	67.1542
Zn 206.200	7.6205b	ppb	2.9144	38.2	0.8222

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mb 680-274145/1-a (Samp) 4/25/2013, 2:15:09 AM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0443	0.1216	-0.0967u
Al 308.215	1.2788	-5.2682u	6.4181
As 188.980	7.6848	7.5863	-4.5470u
B 249.678	12.3301	11.5577	8.2408
Ba 389.178	0.3558	-0.0833u	0.1531
Be 313.042	-0.0022u	-0.0056u	-0.0056u
Ca 370.602	6.680	4.583	10.83
Cd 226.502	-0.2639u	-0.0778u	0.0170
Co 228.615	-0.9224u	-0.8666u	0.1383
Cr 267.716	0.4311	0.4923	-0.0936u
Cu 324.754	-0.1146u	0.1120	-0.1709u
Fe 271.441	-4.7311u	3.1998	1.0133
K 766.491	3.0009	5.0140	5.1652
Mg 279.078	6.2577	6.4281	6.7027
Mn 257.610	-0.1195u	-0.0783u	-0.0920u
Mo 202.032	-0.4854u	-1.1127u	-1.4730u
Na 330.237	-132.840u	-84.5991u	-56.9818u
Ni 231.604	1.4262	-0.4525u	0.0912
Pb 220.353	-2.2384u	2.6709	-0.3709u
Sb 206.834	-5.4652u	-1.8116u	-6.9908u
Se 196.026	-1.2121u	2.3761	6.7007
Sn 189.925	0.1778	-3.8302u	-2.1398u
Sr 216.596	-0.1446u	0.0791	0.2786
Ti 334.941	-0.1344u	-0.1389u	-0.1140u
Tl 190.794	-5.1036u	-1.9458u	-4.0364u
V 292.401	-0.1964u	0.0133	-0.0886u
Zn 206.200	2.1026	1.2241	0.6819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0230	ppb	0.1107	480.3	-27.4933
Al 308.215	0.8095	ppb	5.8573	723.5	-31.2206
As 188.980	3.5747	ppb	7.0338	196.8	-9.0019
B 249.678	10.7096	ppb	2.1726	20.3	594.616
Ba 389.178	0.1418	ppb	0.2198	154.9	-29.1743
Be 313.042	-0.0045	ppb	0.0019	43.3	-324.408
Ca 370.602	7.364	ppb	3.178	43.2	14.48
Cd 226.502	-0.1082	ppb	0.1429	132.0	31.5612
Co 228.615	-0.5502	ppb	0.5970	108.5	-12.1191
Cr 267.716	0.2766	ppb	0.3221	116.4	-20.3736
Cu 324.754	-0.0579	ppb	0.1497	258.7	141.919
Fe 271.441	-0.1727	ppb	4.0963	2372.4	27.8360
K 766.491	4.3934	ppb	1.2083	27.5	311.841
Mg 279.078	6.4628	ppb	0.2246	3.5	44.8303
Mn 257.610	-0.0966	ppb	0.0210	21.7	30.0831
Mo 202.032	-1.0237	ppb	0.4998	48.8	14.3220
Na 330.237	-91.4736	ppb	38.3934	42.0	54.8373
Ni 231.604	0.3550	ppb	0.9667	272.3	-6.6847
Pb 220.353	0.0206	ppb	2.4779	12049.6	33.3977
Sb 206.834	-4.7559	ppb	2.6615	56.0	-4.9122
Se 196.026	2.6216	ppb	3.9621	151.1	10.5383
Sn 189.925	-1.9307	ppb	2.0122	104.2	-9.3512
Sr 216.596	0.0711	ppb	0.2117	297.9	22.4173
Ti 334.941	-0.1291	ppb	0.0133	10.3	-55.8042
Tl 190.794	-3.6953	ppb	1.6063	43.5	-13.4258
V 292.401	-0.0905	ppb	0.1049	115.8	-8.7249
Zn 206.200	1.3362	ppb	0.7169	53.7	3.9507

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ics 680-274145/2-a (Samp) 4/25/2013, 2:20:44 AM Rack 2, Tube 55
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	18.4773	17.7668	17.7988
Al 308.215	5516.29	5509.35	5470.17
As 188.980	111.035	108.919	114.709
B 249.678	195.354	195.117	192.897
Ba 389.178	107.620	107.665	106.792
Be 313.042	56.1769	56.0762	55.8421
Ca 370.602	5144	5145	5111
Cd 226.502	55.7407	55.9856	55.4172
Co 228.615	54.8810	55.4628	54.8315
Cr 267.716	111.913	111.007	110.873
Cu 324.754	107.537	108.321	107.251
Fe 271.441	5224.08	5220.83	5182.04
K 766.491	5256.00	5272.53	5228.67
Mg 279.078	5321.46	5303.29	5267.49
Mn 257.610	563.600	562.961	560.046
Mo 202.032	104.706	102.941	102.472
Na 330.237	5330.83	5281.37	5258.16
Ni 231.604	108.832	107.892	108.346
Pb 220.353	49.8836	53.2476	52.7700
Sb 206.834	46.2781	52.0029	38.4683
Se 196.026	105.157	105.609	102.567
Sn 189.925	207.081	204.134	210.069
Sr 216.596	108.178	107.178	106.499
Ti 334.941	104.532	104.463	103.997
Tl 190.794	36.0398	38.6888	37.4062
V 292.401	105.907	106.102	105.473
Zn 206.200	107.829	105.926	108.754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.0143	ppb	0.4013	2.2	1147.56
Al 308.215	5498.61	ppb	24.8664	0.5	10622.3
As 188.980	111.554	ppb	2.9297	2.6	35.9030
B 249.678	194.456	ppb	1.3555	0.7	2558.37
Ba 389.178	107.359	ppb	0.4913	0.5	1943.33
Be 313.042	56.0317	ppb	0.1718	0.3	86157.4
Ca 370.602	5133	ppb	19.40	0.4	11850
Cd 226.502	55.7145	ppb	0.2851	0.5	1745.63
Co 228.615	55.0584	ppb	0.3511	0.6	467.536
Cr 267.716	111.264	ppb	0.5658	0.5	3039.74
Cu 324.754	107.703	ppb	0.5541	0.5	5167.02
Fe 271.441	5208.98	ppb	23.3908	0.4	7596.08
K 766.491	5252.40	ppb	22.1516	0.4	143026
Mg 279.078	5297.42	ppb	27.4634	0.5	9626.26
Mn 257.610	562.202	ppb	1.8943	0.3	116255
Mo 202.032	103.373	ppb	1.1781	1.1	664.885
Na 330.237	5290.12	ppb	37.1203	0.7	263.355
Ni 231.604	108.357	ppb	0.4702	0.4	242.385
Pb 220.353	51.9671	ppb	1.8201	3.5	100.397
Sb 206.834	45.5831	ppb	6.7940	14.9	40.8068
Se 196.026	104.444	ppb	1.6417	1.6	54.7285
Sn 189.925	207.095	ppb	2.9674	1.4	123.526
Sr 216.596	107.285	ppb	0.8445	0.8	932.225
Ti 334.941	104.331	ppb	0.2910	0.3	22706.6
Tl 190.794	37.3783	ppb	1.3247	3.5	19.5641
V 292.401	105.828	ppb	0.3222	0.3	2410.99
Zn 206.200	107.503	ppb	1.4422	1.3	103.047

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ics 680-274145/3-a (Samp) 4/25/2013, 2:26:20 AM Rack 2, Tube 56
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	182.073	182.780	183.973
Al 308.215	2191.13	2191.48	2183.57
As 188.980	228.626	218.580	219.204
B 249.678	389.898	390.346	391.981
Ba 389.178	204.709	205.301	206.557
Be 313.042	219.704	219.650	220.175
Ca 370.602	20347	20334	20361
Cd 226.502	216.394	216.886	217.278
Co 228.615	214.122	212.945	215.410
Cr 267.716	215.715	216.562	216.408
Cu 324.754	211.575	214.898	213.857
Fe 271.441	20559.4	20523.3	20458.2
K 766.491	20762.8	20687.3	20823.9
Mg 279.078	20813.4	20809.8	20818.5
Mn 257.610	2226.41	2220.87	2223.98
Mo 202.032	204.065	204.802	205.730
Na 330.237	19287.0	19002.1	19432.7
Ni 231.604	213.769	212.472	213.422
Pb 220.353	206.486	206.481	205.999
Sb 206.834	198.554	196.995	194.103
Se 196.026	207.559	203.025	205.842
Sn 189.925	207.360	199.311	209.065
Sr 216.596	210.648	209.718	210.028
Ti 334.941	204.551	204.592	204.871
Tl 190.794	36.9830	40.8631	34.5114
V 292.401	208.725	208.505	208.535
Zn 206.200	212.775	211.866	210.940

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	182.942	ppb	0.9608	0.5	11939.7
Al 308.215	2188.73	ppb	4.4726	0.2	4214.78
As 188.980	222.137	ppb	5.6290	2.5	81.9567
B 249.678	390.742	ppb	1.0965	0.3	4645.70
Ba 389.178	205.522	ppb	0.9437	0.5	3783.06
Be 313.042	219.843	ppb	0.2885	0.1	339001
Ca 370.602	20347	ppb	13.66	0.1	46956
Cd 226.502	216.853	ppb	0.4430	0.2	6694.45
Co 228.615	214.159	ppb	1.2330	0.6	1840.73
Cr 267.716	216.228	ppb	0.4509	0.2	5937.44
Cu 324.754	213.443	ppb	1.6998	0.8	10100.7
Fe 271.441	20513.6	ppb	51.2744	0.2	29829.4
K 766.491	20758.0	ppb	68.3914	0.3	564686
Mg 279.078	20813.9	ppb	4.4174	0.0	37729.7
Mn 257.610	2223.75	ppb	2.7773	0.1	459688
Mo 202.032	204.866	ppb	0.8343	0.4	1296.91
Na 330.237	19240.6	ppb	218.998	1.1	805.452
Ni 231.604	213.221	ppb	0.6718	0.3	484.403
Pb 220.353	206.322	ppb	0.2798	0.1	300.041
Sb 206.834	196.550	ppb	2.2584	1.1	178.347
Se 196.026	205.475	ppb	2.2892	1.1	98.8662
Sn 189.925	205.245	ppb	5.2094	2.5	122.359
Sr 216.596	210.131	ppb	0.4733	0.2	1809.12
Ti 334.941	204.672	ppb	0.1742	0.1	44608.2
Tl 190.794	37.4525	ppb	3.2018	8.5	17.0429
V 292.401	208.588	ppb	0.1195	0.1	4758.74
Zn 206.200	211.860	ppb	0.9175	0.4	209.462

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2926u	-0.5921u	-0.3317u
Al 308.215	23.7779	33.1870	28.2599
As 188.980	20.0399	11.6586	13.4086
B 249.678	178.474	177.527	177.514
Ba 389.178	30.8934	30.5908	31.7535
Be 313.042	-0.0430u	-0.0402u	-0.0329u
Ca 370.602	156042	156261	156183
Cd 226.502	-0.1890	-0.3086u	0.2229
Co 228.615	1.3352	1.5534	1.7573
Cr 267.716	3.3887	3.1860	3.0082
Cu 324.754	0.7921	0.9846	1.0016
Fe 271.441	1922.95	1914.91	1911.00
K 766.491	69200.7x	69328.6x	69348.0x
Mg 279.078	17381.7	17386.0	17400.8
Mn 257.610	22.2069	22.1497	22.1329
Mo 202.032	6.8084	6.2903	5.7923
Na 330.237	43312.6	43155.2	43238.9
Ni 231.604	11.6480	12.2845	10.7922
Pb 220.353	0.8233	0.8438	-0.8908u
Sb 206.834	-0.8508u	-2.8841u	-2.7185u
Se 196.026	10.6639	7.4138	1.8016
Sn 189.925	1.2724	-2.3371u	-0.1337u
Sr 216.596	925.857	923.813	920.506
Ti 334.941	0.2229	0.2995	0.3496
Tl 190.794	-4.4788u	-3.4513u	-8.1811u
V 292.401	17.0367	17.2245	16.9382
Zn 206.200	11.2776	10.5621	11.7918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4055b	ppb	0.1628	40.1	-92.2758
Al 308.215	28.4083b	ppb	4.7063	16.6	22.4579
As 188.980	15.0357b	ppb	4.4212	29.4	-4.2261
B 249.678	177.838b	ppb	0.5504	0.3	2383.91
Ba 389.178	31.0792b	ppb	0.6032	1.9	572.981
Be 313.042	-0.0387b	ppb	0.0052	13.5	-340.891
Ca 370.602	156162b	ppb	111.1	0.1	369239
Cd 226.502	-0.0916b	ppb	0.2788	304.5	38.0446
Co 228.615	1.5486b	ppb	0.2111	13.6	5.8340
Cr 267.716	3.1943b	ppb	0.1903	6.0	60.6679
Cu 324.754	0.9261b	ppb	0.1163	12.6	188.328
Fe 271.441	1916.29b	ppb	6.0890	0.3	2809.50
K 766.491	69292.4xb	ppb	80.0389	0.1	1884532
Mg 279.078	17389.5b	ppb	9.9949	0.1	31551.0
Mn 257.610	22.1632b	ppb	0.0388	0.2	4726.34
Mo 202.032	6.2970b	ppb	0.5081	8.1	59.8592
Na 330.237	43235.6b	ppb	78.7107	0.2	1752.55
Ni 231.604	11.5749b	ppb	0.7489	6.5	19.2151
Pb 220.353	0.2587b	ppb	0.9956	384.8	33.7008
Sb 206.834	-2.1511b	ppb	1.1292	52.5	-2.5797
Se 196.026	6.6264b	ppb	4.4833	67.7	12.2853
Sn 189.925	-0.3995b	ppb	1.8194	455.5	-8.3162
Sr 216.596	923.392b	ppb	2.7000	0.3	7890.71
Ti 334.941	0.2907b	ppb	0.0638	22.0	94.3781
Tl 190.794	-5.3704b	ppb	2.4878	46.3	-14.9101
V 292.401	17.0665b	ppb	0.1455	0.9	385.253
Zn 206.200	11.2105b	ppb	0.6176	5.5	13.1800

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0587u	-0.2905u	-0.6812u
Al 308.215	6.6581	6.9134	3.8334
As 188.980	0.7510	11.1134	-3.8783u
B 249.678	14.1288	13.7311	13.7464
Ba 389.178	4.9474	4.8094	4.1986
Be 313.042	-0.0100u	-0.0137u	-0.0147u
Ca 370.602	30007	29925	29898
Cd 226.502	0.0070	-0.3578u	-0.1564u
Co 228.615	0.3096	-0.2032u	0.0928
Cr 267.716	0.5795	0.8855	1.2137
Cu 324.754	-0.2305u	-0.3005u	-0.1091u
Fe 271.441	384.858	380.226	392.200
K 766.491	12822.1	12858.9	12859.5
Mg 279.078	3445.84	3434.43	3423.08
Mn 257.610	4.3670	4.2933	4.3928
Mo 202.032	-0.0142u	-0.3256u	0.3746
Na 330.237	8085.83	7918.99	8000.67
Ni 231.604	3.3835	3.2774	1.4758
Pb 220.353	-3.0375u	-0.1181u	1.3556
Sb 206.834	-0.9456u	-3.3708u	-2.0152u
Se 196.026	0.1918	2.3296	-2.4832u
Sn 189.925	-1.3592u	-2.2593u	-2.5571u
Sr 216.596	185.889	185.176	184.718
Ti 334.941	-0.1115u	0.0004	-0.0152
Tl 190.794	-4.1581u	-3.7177u	-10.3585u
V 292.401	2.9955	3.4785	3.2284
Zn 206.200	0.7197	1.0385	0.1775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3435	ppb	0.3146	91.6	-58.8567
Al 308.215	5.8016	ppb	1.7093	29.5	-21.5183
As 188.980	2.6620	ppb	7.6764	288.4	-9.3790
B 249.678	13.8688	ppb	0.2254	1.6	628.090
Ba 389.178	4.6518	ppb	0.3985	8.6	60.5675
Be 313.042	-0.0128	ppb	0.0025	19.4	-330.276
Ca 370.602	29943	ppb	56.30	0.2	70797
Cd 226.502	-0.1691	ppb	0.1828	108.1	30.9073
Co 228.615	0.0664	ppb	0.2575	387.7	-6.8218
Cr 267.716	0.8929	ppb	0.3171	35.5	-3.2679
Cu 324.754	-0.2134	ppb	0.0968	45.4	134.777
Fe 271.441	385.761	ppb	6.0380	1.6	587.967
K 766.491	12846.8	ppb	21.4660	0.2	349550
Mg 279.078	3434.45	ppb	11.3766	0.3	6257.93
Mn 257.610	4.3510	ppb	0.0516	1.2	968.185
Mo 202.032	0.0116	ppb	0.3508	3020.9	20.7558
Na 330.237	8001.83	ppb	83.4267	1.0	371.968
Ni 231.604	2.7122	ppb	1.0721	39.5	-1.2437
Pb 220.353	-0.6000	ppb	2.2358	372.6	32.5950
Sb 206.834	-2.1105	ppb	1.2154	57.6	-2.5241
Se 196.026	0.0127	ppb	2.4114	18957.8	9.4128
Sn 189.925	-2.0586	ppb	0.6237	30.3	-9.4207
Sr 216.596	185.261	ppb	0.5899	0.3	1600.45
Ti 334.941	-0.0421	ppb	0.0606	143.9	-25.2255
Tl 190.794	-6.0781	ppb	3.7135	61.1	-15.4108
V 292.401	3.2341	ppb	0.2415	7.5	67.6602
Zn 206.200	0.6452	ppb	0.4353	67.5	3.3033

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

640-43209-a-13-aPDS (Samp) 4/25/2013, 2:43:07 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	52.6689	52.7033	52.0495
Al 308.215	2207.49	2210.55	2206.96
As 188.980	2253.23	2267.04	2290.80
B 249.678	1243.35	1253.01	1261.86
Ba 389.178	2151.55	2155.35	2161.03
Be 313.042	54.5883	54.7293	54.7655
Ca 370.602	158063	158054	157985
Cd 226.502	53.9997	54.4471	54.1399
Co 228.615	544.759	547.747	544.824
Cr 267.716	219.689	220.209	219.246
Cu 324.754	276.112	276.441	276.569
Fe 271.441	2916.07	2913.49	2909.64
K 766.491	73565.1x	73855.5x	74231.5x
Mg 279.078	22433.1	22467.6	22492.2
Mn 257.610	572.534	573.832	574.492
Mo 202.032	538.780	541.683	540.573
Na 330.237	48046.9	48283.2	48340.9
Ni 231.604	548.256	546.193	546.560
Pb 220.353	510.572	514.626	511.471
Sb 206.834	507.543	505.842	510.172
Se 196.026	2130.00	2141.34	2149.97
Sn 189.925	1062.79	1067.29	1078.99
Sr 216.596	1442.98	1443.97	1443.28
Ti 334.941	1045.24	1047.36	1049.53
Tl 190.794	2091.45	2092.95	2089.60
V 292.401	533.438	533.879	534.075
Zn 206.200	538.807	536.177	546.068

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.4739b	ppb	0.3680	0.7	3351.94
Al 308.215	2208.33b	ppb	1.9329	0.1	4265.81
As 188.980	2270.35b	ppb	19.0043	0.8	933.264
B 249.678	1252.74b	ppb	9.2605	0.7	13903.1
Ba 389.178	2155.98b	ppb	4.7705	0.2	39337.2
Be 313.042	54.6944b	ppb	0.0936	0.2	84060.3
Ca 370.602	158034b	ppb	42.56	0.0	373763
Cd 226.502	54.1956b	ppb	0.2288	0.4	1692.41
Co 228.615	545.777b	ppb	1.7064	0.3	4712.40
Cr 267.716	219.715b	ppb	0.4817	0.2	6027.34
Cu 324.754	276.374b	ppb	0.2359	0.1	13034.2
Fe 271.441	2913.07b	ppb	3.2319	0.1	4332.07
K 766.491	73884.1xb	ppb	334.107	0.5	2009397
Mg 279.078	22464.3b	ppb	29.6757	0.1	40740.9
Mn 257.610	573.619b	ppb	0.9962	0.2	118699
Mo 202.032	540.345b	ppb	1.4649	0.3	3389.00
Na 330.237	48223.7b	ppb	155.761	0.3	1938.61
Ni 231.604	547.003b	ppb	1.1005	0.2	1253.54
Pb 220.353	512.223b	ppb	2.1290	0.4	694.364
Sb 206.834	507.852b	ppb	2.1814	0.4	454.110
Se 196.026	2140.44b	ppb	10.0150	0.5	935.360
Sn 189.925	1069.69b	ppb	8.3662	0.8	671.923
Sr 216.596	1443.41b	ppb	0.5094	0.0	12292.9
Ti 334.941	1047.38b	ppb	2.1412	0.2	228089
Tl 190.794	2091.33b	ppb	1.6792	0.1	1713.09
V 292.401	533.797b	ppb	0.3265	0.1	12209.3
Zn 206.200	540.351b	ppb	5.1232	0.9	507.692

640-43209-a-13-b ms (Samp) **4/25/2013, 2:48:43 AM** **Rack 2, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	24.7431	24.9251	24.2526
Al 308.215	5750.77	5785.84	5731.86
As 188.980	130.750	135.442	122.256
B 249.678	406.153	405.381	406.608
Ba 389.178	139.440	139.159	137.727
Be 313.042	56.5152	56.6988	56.5669
Ca 370.602	161423	161990	161341
Cd 226.502	55.4839	55.6158	55.5759
Co 228.615	56.4947	56.2652	58.1592
Cr 267.716	111.103	111.641	111.595
Cu 324.754	112.538	114.148	112.404
Fe 271.441	7095.97	7132.10	7093.55
K 766.491	75251.6x	75542.1x	75530.1x
Mg 279.078	22781.8	22814.2	22782.5
Mn 257.610	583.139	585.419	584.421
Mo 202.032	112.973	113.376	111.087
Na 330.237	49386.6	49230.9	49333.9
Ni 231.604	120.044	121.851	119.418
Pb 220.353	55.6305	51.4421	54.8634
Sb 206.834	51.7038	50.8442	53.9038
Se 196.026	115.027	118.356	104.551
Sn 189.925	208.807	210.255	205.847
Sr 216.596	1027.14	1033.28	1027.47
Ti 334.941	104.863	105.462	104.846
Tl 190.794	36.5112	34.8891	35.6553
V 292.401	123.401	123.582	123.563
Zn 206.200	116.009	118.113	122.620

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.6403b	ppb	0.3479	1.4	1544.39
Al 308.215	5756.16b	ppb	27.3907	0.5	11121.5
As 188.980	129.482b	ppb	6.6838	5.2	43.3668
B 249.678	406.048b	ppb	0.6203	0.2	4824.21
Ba 389.178	138.775b	ppb	0.9186	0.7	2554.44
Be 313.042	56.5936b	ppb	0.0947	0.2	87060.7
Ca 370.602	161584b	ppb	353.4	0.2	381777
Cd 226.502	55.5585b	ppb	0.0677	0.1	1746.85
Co 228.615	56.9730b	ppb	1.0337	1.8	483.849
Cr 267.716	111.446b	ppb	0.2980	0.3	3045.39
Cu 324.754	113.030b	ppb	0.9709	0.9	5415.87
Fe 271.441	7107.21b	ppb	21.5946	0.3	10351.3
K 766.491	75441.2xb	ppb	164.368	0.2	2051743
Mg 279.078	22792.9b	ppb	18.5101	0.1	41336.1
Mn 257.610	584.326b	ppb	1.1431	0.2	120923
Mo 202.032	112.479b	ppb	1.2217	1.1	721.551
Na 330.237	49317.1b	ppb	79.1937	0.2	1988.50
Ni 231.604	120.438b	ppb	1.2632	1.0	270.269
Pb 220.353	53.9787b	ppb	2.2299	4.1	102.987
Sb 206.834	52.1506b	ppb	1.5780	3.0	46.6724
Se 196.026	112.645b	ppb	7.2045	6.4	58.2903
Sn 189.925	208.303b	ppb	2.2468	1.1	124.356
Sr 216.596	1029.30b	ppb	3.4510	0.3	8789.33
Ti 334.941	105.057b	ppb	0.3506	0.3	22923.8
Tl 190.794	35.6852b	ppb	0.8115	2.3	18.0650
V 292.401	123.515b	ppb	0.0994	0.1	2816.99
Zn 206.200	118.914b	ppb	3.3778	2.8	515.719

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Cont Calib Verif (CCV) 4/25/2013, 2:54:20 AM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.439	499.680	492.886
Al 308.215	5064.35	5012.37	5052.21
As 188.980	511.563	502.602	525.904
B 249.678	510.067	509.853	518.232
Ba 389.178	5143.07	5119.18	5183.26
Be 313.042	533.693	531.186	537.569
Ca 370.602	5068	5018	5061
Cd 226.502	528.279	527.079	530.351
Co 228.615	529.687	526.297	533.140
Cr 267.716	5291.40	5237.13	5276.70
Cu 324.754	5223.78	5143.50	5102.28
Fe 271.441	5066.90	5043.56	5094.26
K 766.491	10139.3	10100.7	10218.0
Mg 279.078	5158.31	5123.20	5164.47
Mn 257.610	5321.48	5276.63	5340.13
Mo 202.032	503.007	500.481	503.925
Na 330.237	7817.66	7555.22	7591.82
Ni 231.604	2654.27	2648.85	2674.14
Pb 220.353	512.252	507.833	510.217
Sb 206.834	966.761	957.060	971.994
Se 196.026	5113.44	5079.23	5145.72
Sn 189.925	5157.26	5128.97	5098.34
Sr 216.596	2558.80	2535.23	2556.33
Ti 334.941	504.532	500.636	506.155
Tl 190.794	5077.32	5074.14	5127.30
V 292.401	5047.33	5024.01	5085.48
Zn 206.200	2662.18	2639.21	2673.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.335	ppb	4.9161	1.0	32524.8	99.66703
Al 308.215	5042.98	ppb	27.1899	0.5	9727.78	100.85952
As 188.980	513.356	ppb	11.7541	2.3	202.868	102.67129
B 249.678	512.717	ppb	4.7768	0.9	5969.43	20.50868Q
Ba 389.178	5148.51	ppb	32.3830	0.6	93883.2	102.97012
Be 313.042	534.149	ppb	3.2159	0.6	823979	106.82980
Ca 370.602	5049	ppb	27.17	0.5	11844	100.97919
Cd 226.502	528.570	ppb	1.6554	0.3	16126.7	105.71395
Co 228.615	529.708	ppb	3.4217	0.6	4574.11	105.94157
Cr 267.716	5268.41	ppb	28.0669	0.5	145148	105.36821
Cu 324.754	5156.52	ppb	61.7907	1.2	240421	103.13036
Fe 271.441	5068.24	ppb	25.3747	0.5	7493.77	101.36478
K 766.491	10152.7	ppb	59.8226	0.6	276284	101.52678
Mg 279.078	5148.66	ppb	22.2611	0.4	9291.20	102.97322
Mn 257.610	5312.75	ppb	32.6381	0.6	1097828	106.25495
Mo 202.032	502.471	ppb	1.7834	0.4	3145.42	100.49423
Na 330.237	7654.90	ppb	142.139	1.9	339.238	102.06532
Ni 231.604	2659.09	ppb	13.3138	0.5	6122.50	106.36348
Pb 220.353	510.101	ppb	2.2115	0.4	692.647	102.02012
Sb 206.834	965.272	ppb	7.5775	0.8	916.682	96.52718
Se 196.026	5112.80	ppb	33.2471	0.7	2222.05	102.25592
Sn 189.925	5128.19	ppb	29.4701	0.6	3251.79	102.56381
Sr 216.596	2550.12	ppb	12.9530	0.5	21669.5	102.00488
Ti 334.941	503.774	ppb	2.8364	0.6	109675	100.75485
Tl 190.794	5092.92	ppb	29.8148	0.6	4183.54	101.85840
V 292.401	5052.27	ppb	31.0299	0.6	116085	101.04541
Zn 206.200	2658.44	ppb	17.6553	0.7	2479.50	106.33755

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Blank (CCB) 4/25/2013, 2:59:56 AM Rack 3, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2276u	-0.0520u	-0.1263u
Al 308.215	5.7738	-3.6878u	5.2480
As 188.980	-1.2840u	1.4058	1.8450
B 249.678	-15.7557u	-16.9491u	-17.8788u
Ba 389.178	1.0097	0.8665	0.4419
Be 313.042	-0.0023u	-0.0025u	0.0011
Ca 370.602	1.449	-0.1728u	2.447
Cd 226.502	0.1147	-0.2386u	-0.0168u
Co 228.615	0.3120	-0.3622u	-0.2380u
Cr 267.716	0.3777	0.1739	-0.2403u
Cu 324.754	0.1790	-0.7657u	-0.0851u
Fe 271.441	1.7005	0.1667	1.1966
K 766.491	0.4170	0.3662	0.0424
Mg 279.078	-2.3030u	1.0548	-2.3330u
Mn 257.610	-0.0618u	-0.0539u	-0.0391u
Mo 202.032	-0.4596u	-0.7379u	-0.7686u
Na 330.237	-126.324u	107.455	97.6968
Ni 231.604	-0.5724u	0.3235	-0.1689u
Pb 220.353	-1.5209u	3.5677	-1.9955u
Sb 206.834	4.0160	-2.1296u	-3.0454u
Se 196.026	-1.7521u	2.7621	3.1088
Sn 189.925	0.9852	0.9580	0.1836
Sr 216.596	0.7610	-0.5128u	-0.0689u
Ti 334.941	-0.1080u	-0.0204u	-0.0448u
Tl 190.794	-4.8393u	-5.1855u	-0.5996u
V 292.401	-0.0250u	-0.0716u	-0.0037u
Zn 206.200	-1.9727u	-0.2033u	-0.3879u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1353	ppb	0.0882	65.2	-37.8532	-0.13528
Al 308.215	2.4447	ppb	5.3173	217.5	-28.0292	2.44468
As 188.980	0.6556	ppb	1.6941	258.4	-10.2155	0.65561
B 249.678	-16.8612	ppb	1.0643	6.3	299.128	-16.86119
Ba 389.178	0.7727	ppb	0.2953	38.2	-17.6847	0.77269
Be 313.042	-0.0012	ppb	0.0020	161.8	-319.487	-0.00123
Ca 370.602	1.241	ppb	1.322	106.5	0.1481	1.24098
Cd 226.502	-0.0469	ppb	0.1786	380.6	33.4189	-0.04692
Co 228.615	-0.0961	ppb	0.3588	373.5	-8.2090	-0.09606
Cr 267.716	0.1038	ppb	0.3150	303.5	-25.1374	0.10376
Cu 324.754	-0.2239	ppb	0.4874	217.7	134.194	-0.22391
Fe 271.441	1.0213	ppb	0.7818	76.6	29.5742	1.02129
K 766.491	0.2752	ppb	0.2032	73.9	199.851	0.27519
Mg 279.078	-1.1937	ppb	1.9473	163.1	30.9527	-1.19372
Mn 257.610	-0.0516	ppb	0.0115	22.4	39.3412	-0.05160
Mo 202.032	-0.6554	ppb	0.1702	26.0	16.6188	-0.65537
Na 330.237	26.2760	ppb	132.245	503.3	59.4602	26.27602
Ni 231.604	-0.1393	ppb	0.4487	322.2	-7.8241	-0.13926
Pb 220.353	0.0171	ppb	3.0840	18041.4	33.3926	0.01709
Sb 206.834	-0.3863	ppb	3.8399	994.0	-0.9711	-0.38631
Se 196.026	1.3729	ppb	2.7119	197.5	9.9982	1.37292
Sn 189.925	0.7089	ppb	0.4552	64.2	-7.6732	0.70892
Sr 216.596	0.0598	ppb	0.6466	1081.8	22.3019	0.05977
Ti 334.941	-0.0577	ppb	0.0452	78.3	-40.2833	-0.05773
Tl 190.794	-3.5415	ppb	2.5536	72.1	-13.2992	-3.54148
V 292.401	-0.0334	ppb	0.0347	103.8	-7.4993	-0.03344
Zn 206.200	-0.8546	ppb	0.9727	113.8	515.9015	-0.85463

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640-43209-a-13-c msd (Samp) **4/25/2013, 3:05:32 AM** **Rack 3, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.7483	23.7827	23.7529
Al 308.215	5740.18	5725.14	5719.03
As 188.980	124.318	128.770	124.455
B 249.678	391.456	393.222	396.589
Ba 389.178	139.307	140.599	141.009
Be 313.042	56.4394	56.5744	56.5936
Ca 370.602	165310	165043	164900
Cd 226.502	55.6518	55.5967	55.9585
Co 228.615	57.2596	57.0444	56.5976
Cr 267.716	111.645	111.607	110.737
Cu 324.754	113.711	113.197	113.766
Fe 271.441	7145.15	7150.91	7159.50
K 766.491	77173.2x	77369.2x	77565.5x
Mg 279.078	23177.2	23189.4	23200.1
Mn 257.610	583.623	584.652	584.976
Mo 202.032	112.309	112.604	113.057
Na 330.237	50372.8	50172.8	50378.1
Ni 231.604	118.991	121.680	119.635
Pb 220.353	57.9158	51.1794	53.2222
Sb 206.834	51.5254	48.7050	55.7994
Se 196.026	118.512	106.663	116.430
Sn 189.925	216.727	207.399	202.531
Sr 216.596	1051.03	1048.04	1049.34
Ti 334.941	104.792	104.837	104.900
Tl 190.794	40.2757	34.5574	38.5311
V 292.401	123.717	124.171	123.950
Zn 206.200	117.757	117.935	119.614

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.7613b	ppb	0.0187	0.1	1486.06
Al 308.215	5728.12b	ppb	10.8844	0.2	11067.2
As 188.980	125.848b	ppb	2.5319	2.0	41.8560
B 249.678	393.756b	ppb	2.6080	0.7	4692.42
Ba 389.178	140.305b	ppb	0.8880	0.6	2583.20
Be 313.042	56.5358b	ppb	0.0840	0.1	86972.3
Ca 370.602	165084b	ppb	208.2	0.1	390052
Cd 226.502	55.7356b	ppb	0.1949	0.3	1752.37
Co 228.615	56.9672b	ppb	0.3377	0.6	483.792
Cr 267.716	111.330b	ppb	0.5140	0.5	3042.20
Cu 324.754	113.558b	ppb	0.3137	0.3	5440.49
Fe 271.441	7151.85b	ppb	7.2211	0.1	10416.1
K 766.491	77369.3xb	ppb	196.164	0.3	2104173
Mg 279.078	23188.9b	ppb	11.4297	0.0	42053.9
Mn 257.610	584.417b	ppb	0.7064	0.1	120944
Mo 202.032	112.657b	ppb	0.3766	0.3	722.659
Na 330.237	50307.9b	ppb	117.040	0.2	2027.32
Ni 231.604	120.102b	ppb	1.4038	1.2	269.497
Pb 220.353	54.1058b	ppb	3.4540	6.4	103.151
Sb 206.834	52.0099b	ppb	3.5719	6.9	46.5461
Se 196.026	113.869b	ppb	6.3263	5.6	58.8198
Sn 189.925	208.886b	ppb	7.2138	3.5	124.728
Sr 216.596	1049.47b	ppb	1.5010	0.1	8961.29
Ti 334.941	104.843b	ppb	0.0543	0.1	22878.7
Tl 190.794	37.7881b	ppb	2.9307	7.8	19.7966
V 292.401	123.946b	ppb	0.2271	0.2	2826.86
Zn 206.200	118.436b	ppb	1.0244	0.8	513.271

640-43209-a-14-a (Samp) 4/25/2013, 3:11:09 AM Rack 3, Tube 4
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3585u	-0.3949u	-0.5069u
Al 308.215	262.450	259.056	240.248
As 188.980	7.4504	14.1457	1.3290
B 249.678	260.125	266.871	254.612
Ba 389.178	47.7624	47.7575	46.2285
Be 313.042	-0.0397u	-0.0541u	-0.0383u
Ca 370.602	196284	200701	191734
Cd 226.502	-0.0057	-0.1238	-0.1540
Co 228.615	0.2871	0.8158	1.5689
Cr 267.716	2.0292	1.6034	2.4848
Cu 324.754	6.6929	7.1547	6.6931
Fe 271.441	4473.00	4564.36	4351.21
K 766.491	124150x	126492x	120687x
Mg 279.078	42668.8	43442.2	41499.5
Mn 257.610	100.721	102.601	98.4358
Mo 202.032	9.3579	9.0432	9.4258
Na 330.237	70502.9	71867.7	68577.6
Ni 231.604	19.9047	20.3889	18.4517
Pb 220.353	15.9739	11.4649	9.5238
Sb 206.834	1.3637	1.8519	0.1354
Se 196.026	-0.8848u	6.5721	-1.1543u
Sn 189.925	-2.7048u	1.8720	1.9249
Sr 216.596	1256.89	1273.85	1219.47
Ti 334.941	5.2618	5.5636	5.2624
Tl 190.794	-3.6629u	-5.5463u	-5.8690u
V 292.401	25.3640	26.1596	24.7115
Zn 206.200	26.4984	23.1681	24.0994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4201b	ppb	0.0773	18.4	-106.897
Al 308.215	253.918b	ppb	11.9599	4.7	459.373
As 188.980	7.6417b	ppb	6.4105	83.9	-7.2837
B 249.678	260.536b	ppb	6.1399	2.4	3267.60
Ba 389.178	47.2495b	ppb	0.8842	1.9	922.530
Be 313.042	-0.0440b	ppb	0.0087	19.7	-343.591
Ca 370.602	196240b	ppb	4483	2.3	463879
Cd 226.502	-0.0945b	ppb	0.0784	82.9	46.0813
Co 228.615	0.8906b	ppb	0.6441	72.3	0.1366
Cr 267.716	2.0391b	ppb	0.4408	21.6	29.5929
Cu 324.754	6.8469b	ppb	0.2666	3.9	464.967
Fe 271.441	4462.86b	ppb	106.937	2.4	6505.17
K 766.491	123776xb	ppb	2920.53	2.4	3366162
Mg 279.078	42536.8b	ppb	978.029	2.3	77128.9
Mn 257.610	100.586b	ppb	2.0861	2.1	21068.0
Mo 202.032	9.2756b	ppb	0.2041	2.2	78.3087
Na 330.237	70316.1b	ppb	1652.96	2.4	2813.29
Ni 231.604	19.5818b	ppb	1.0082	5.1	37.7197
Pb 220.353	12.3209b	ppb	3.3092	26.9	49.2965
Sb 206.834	1.1170b	ppb	0.8844	79.2	0.3723
Se 196.026	1.5110b	ppb	4.3851	290.2	10.1029
Sn 189.925	0.3641b	ppb	2.6578	730.0	-7.8108
Sr 216.596	1250.07b	ppb	27.8235	2.2	10673.9
Ti 334.941	5.3626b	ppb	0.1741	3.2	1285.70
Tl 190.794	-5.0261b	ppb	1.1915	23.7	-14.8283
V 292.401	25.4117b	ppb	0.7252	2.9	577.297
Zn 206.200	24.5886b	ppb	1.7182	7.0	25.6954

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640-43209-a-15-a (Samp) 4/25/2013, 3:16:45 AM Rack 3, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5393u	-0.5573u	-0.5405u
Al 308.215	42.8181	32.8686	36.6988
As 188.980	14.6182	5.5993	7.0323
B 249.678	1218.80	1229.96	1236.55
Ba 389.178	56.3451	55.1715	56.3936
Be 313.042	-0.0583u	-0.0682u	-0.0751u
Ca 370.602	264916	265557	264906
Cd 226.502	-0.2598u	-0.1376u	0.1244
Co 228.615	2.3539	0.6831	2.9447
Cr 267.716	0.2823	0.4140	0.4782
Cu 324.754	6.5119	6.0349	6.7147
Fe 271.441	85.9036	87.6519	76.3642
K 766.491	159780x	160890x	160845x
Mg 279.078	40526.2	40729.1	40623.4
Mn 257.610	18.5354	18.5217	18.7095
Mo 202.032	10.6501	10.5538	11.3014
Na 330.237	57022.0	57531.4	57140.8
Ni 231.604	25.8401	24.1644	26.9697
Pb 220.353	3.8861	2.3170	2.8713
Sb 206.834	3.0082	4.2725	2.6892
Se 196.026	7.0423	0.3201	-2.1253u
Sn 189.925	-3.4493u	1.9983	-1.5008u
Sr 216.596	2174.40	2184.85	2178.25
Ti 334.941	0.1806	0.1811	0.3695
Tl 190.794	-6.4175u	-4.2410u	-7.9510u
V 292.401	19.9661	20.1536	19.6507
Zn 206.200	1.3441	2.3620	4.0386

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5457b	ppb	0.0101	1.8	-151.695
Al 308.215	37.4618b	ppb	5.0185	13.4	40.2017
As 188.980	9.0833b	ppb	4.8467	53.4	-6.7135
B 249.678	1228.43b	ppb	8.9727	0.7	13645.8
Ba 389.178	55.9701b	ppb	0.6920	1.2	1072.72
Be 313.042	-0.0672b	ppb	0.0084	12.6	-359.743
Ca 370.602	265126b	ppb	372.6	0.1	627074
Cd 226.502	-0.0910b	ppb	0.1963	215.7	32.5231
Co 228.615	1.9939b	ppb	1.1730	58.8	9.6452
Cr 267.716	0.3915b	ppb	0.0999	25.5	-16.7132
Cu 324.754	6.4205b	ppb	0.3490	5.4	443.981
Fe 271.441	83.3066b	ppb	6.0755	7.3	149.442
K 766.491	160505xb	ppb	628.263	0.4	4364968
Mg 279.078	40626.2b	ppb	101.484	0.2	73666.5
Mn 257.610	18.5889b	ppb	0.1047	0.6	4105.57
Mo 202.032	10.8351b	ppb	0.4067	3.8	88.2305
Na 330.237	57231.4b	ppb	266.534	0.5	2301.59
Ni 231.604	25.6580b	ppb	1.4115	5.5	51.6471
Pb 220.353	3.0248b	ppb	0.7957	26.3	37.2699
Sb 206.834	3.3233b	ppb	0.8374	25.2	2.2411
Se 196.026	1.7457b	ppb	4.7472	271.9	10.1641
Sn 189.925	-0.9839b	ppb	2.7603	280.5	-8.6485
Sr 216.596	2179.16b	ppb	5.2841	0.2	18582.4
Ti 334.941	0.2437b	ppb	0.1089	44.7	164.813
Tl 190.794	-6.2032b	ppb	1.8643	30.1	-15.5157
V 292.401	19.9235b	ppb	0.2542	1.3	450.574
Zn 206.200	2.5816b	ppb	1.3696	52.7	5.1147

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640-43209-a-16-a (Samp) **4/25/2013, 3:22:21 AM** **Rack 3, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3807	-0.3353	-0.0111
Al 308.215	51.7868	54.5546	49.0300
As 188.980	21.4657	18.7064	17.9740
B 249.678	286.745	286.074	288.239
Ba 389.178	-2.9504	-4.4670	-3.7745
Be 313.042	-0.0364u	-0.0324u	-0.0336u
Ca 370.602	127402	127359	126903
Cd 226.502	-0.3010u	-0.1929u	-0.1276u
Co 228.615	13.6573	13.6947	14.8419
Cr 267.716	3.3179	3.4516	3.2411
Cu 324.754	72.1085	72.5774	72.4864
Fe 271.441	790.119	806.789	788.193
K 766.491	48302.2x	48407.7x	48336.5x
Mg 279.078	79808.8	79727.4	79692.8
Mn 257.610	11077.0	11098.0	11077.5
Mo 202.032	26.7681	26.7006	27.4490
Na 330.237	63207.2	63289.0	63401.0
Ni 231.604	18.0332	18.5070	18.8881
Pb 220.353	1.1387	-2.9268u	0.8158
Sb 206.834	-1.4986u	-3.3831u	2.1942
Se 196.026	-2.0326	3.6929	-0.3003
Sn 189.925	4.1114	-0.4776u	-1.1985u
Sr 216.596	451.051	449.164	446.186
Ti 334.941	-0.9284	-0.9315	-0.9817
Tl 190.794	21.2873	17.6047	17.8552
V 292.401	37.8562	38.5519	37.6631
Zn 206.200	251.576	251.381	247.704

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2424b	ppb	0.2016	83.2	-19.4761
Al 308.215	51.7905b	ppb	2.7623	5.3	68.5509
As 188.980	19.3820b	ppb	1.8413	9.5	-2.4303
B 249.678	287.019b	ppb	1.1083	0.4	3555.22
Ba 389.178	-3.7306b	ppb	0.7593	20.4	65.2573
Be 313.042	-0.0341b	ppb	0.0021	6.0	-350.614
Ca 370.602	127221b	ppb	276.4	0.2	301086
Cd 226.502	-0.2072b	ppb	0.0876	42.3	31.5861
Co 228.615	14.0646b	ppb	0.6734	4.8	113.403
Cr 267.716	3.3368b	ppb	0.1065	3.2	91.9583
Cu 324.754	72.3908b	ppb	0.2487	0.3	3518.82
Fe 271.441	795.034b	ppb	10.2257	1.3	1184.00
K 766.491	48348.8xb	ppb	53.8303	0.1	1314991
Mg 279.078	79743.0b	ppb	59.5583	0.1	144412
Mn 257.610	11084.2b	ppb	11.9677	0.1	2290715
Mo 202.032	26.9725b	ppb	0.4140	1.5	188.795
Na 330.237	63299.1b	ppb	97.3032	0.2	2537.84
Ni 231.604	18.4761b	ppb	0.4283	2.3	35.1040
Pb 220.353	-0.3241b	ppb	2.2598	697.3	34.7817
Sb 206.834	-0.8958b	ppb	2.8371	316.7	-1.7407
Se 196.026	0.4533b	ppb	2.9362	647.7	12.0021
Sn 189.925	0.8118b	ppb	2.8802	354.8	-7.5504
Sr 216.596	448.801b	ppb	2.4528	0.5	3849.68
Ti 334.941	-0.9472b	ppb	0.0299	3.2	42.2806
Tl 190.794	18.9157b	ppb	2.0577	10.9	-8.2056
V 292.401	38.0237b	ppb	0.4675	1.2	865.447
Zn 206.200	250.220b	ppb	2.1815	0.8	236.730

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640-43209-a-17-a (Samp) 4/25/2013, 3:27:57 AM Rack 3, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0126u	-0.2163u	0.1193
Al 308.215	-3.3360u	-3.6223u	5.8174
As 188.980	1.8835	-0.5737u	2.8105
B 249.678	-19.9448u	-20.5119u	-21.5726u
Ba 389.178	-0.1946u	-1.0238u	-0.3343u
Be 313.042	-0.0066u	0.0041	-0.0036u
Ca 370.602	26.83	32.97	31.94
Cd 226.502	-0.2477u	-0.2338u	-0.1054u
Co 228.615	-0.2356u	0.6990	-0.7373u
Cr 267.716	0.0746	0.3354	-0.0105u
Cu 324.754	0.4352	-0.4597u	-0.1138u
Fe 271.441	2.3636	3.7474	0.8562
K 766.491	9.9380	9.7941	9.3955
Mg 279.078	2.9447	7.8806	0.0488
Mn 257.610	0.1559	0.1328	0.0842
Mo 202.032	-1.0016u	-1.5115u	-1.3552u
Na 330.237	284.436	47.6042	-65.0729u
Ni 231.604	-0.5647u	1.6430	0.5306
Pb 220.353	7.4880	1.5172	-0.0742u
Sb 206.834	-4.1047u	-2.6133u	2.0747
Se 196.026	0.8864	-1.2425u	0.8708
Sn 189.925	-1.4546u	0.2127	0.8568
Sr 216.596	0.8764	-0.0499u	-0.0446u
Ti 334.941	-0.1246u	-0.0459u	-0.0930u
Tl 190.794	-2.9505u	-2.1135u	-3.8817u
V 292.401	-0.1288u	0.0054	-0.3310u
Zn 206.200	4.1492	0.7671	2.3406

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0365	ppb	0.1690	462.5	-31.4174
Al 308.215	-0.3803	ppb	5.3693	1411.8	-33.5396
As 188.980	1.3734	ppb	1.7488	127.3	-9.9169
B 249.678	-20.6764	ppb	0.8263	4.0	258.233
Ba 389.178	-0.5176	ppb	0.4440	85.8	-41.2029
Be 313.042	-0.0020	ppb	0.0055	275.6	-320.562
Ca 370.602	30.58	ppb	3.288	10.8	69.27
Cd 226.502	-0.1956	ppb	0.0784	40.1	28.9092
Co 228.615	-0.0913	ppb	0.7290	798.2	-8.1472
Cr 267.716	0.1332	ppb	0.1802	135.3	-24.3228
Cu 324.754	-0.0461	ppb	0.4513	978.7	142.460
Fe 271.441	2.3224	ppb	1.4461	62.3	31.4376
K 766.491	9.7092	ppb	0.2810	2.9	456.400
Mg 279.078	3.6247	ppb	3.9599	109.2	39.6834
Mn 257.610	0.1243	ppb	0.0366	29.5	75.7169
Mo 202.032	-1.2894	ppb	0.2612	20.3	12.6651
Na 330.237	88.9888	ppb	178.392	200.5	61.9003
Ni 231.604	0.5363	ppb	1.1039	205.8	-6.2667
Pb 220.353	2.9770	ppb	3.9868	133.9	37.2194
Sb 206.834	-1.5478	ppb	3.2246	208.3	-2.0097
Se 196.026	0.1715	ppb	1.2246	713.9	9.4786
Sn 189.925	-0.1283	ppb	1.1929	929.5	-8.2054
Sr 216.596	0.2607	ppb	0.5333	204.6	24.0294
Ti 334.941	-0.0878	ppb	0.0396	45.1	-46.8243
Tl 190.794	-2.9819	ppb	0.8845	29.7	-12.8381
V 292.401	-0.1515	ppb	0.1693	111.8	-10.0806
Zn 206.200	2.4190	ppb	1.6924	70.0	4.9633

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640-43210-c-4-a (Samp) 4/25/2013, 3:33:34 AM Rack 3, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6737u	-0.7153u	-0.6548u
Al 308.215	39.8922	46.5608	46.0037
As 188.980	1.6225	4.3904	-1.3206u
B 249.678	2691.89	2710.63	2718.65
Ba 389.178	656.000	657.882	656.731
Be 313.042	0.1110u	0.1068u	0.1067u
Ca 370.602	161833	161355	160732
Cd 226.502	-0.0917	0.1071	0.0530
Co 228.615	-0.1799u	0.7972	1.8939
Cr 267.716	-0.4392	-0.8437	-0.3479
Cu 324.754	0.1415	1.0814	0.9311
Fe 271.441	10338.9	10307.2	10314.6
K 766.491	131488x	131646x	131487x
Mg 279.078	265945	265684	265003
Mn 257.610	473.800	474.035	473.565
Mo 202.032	-1.7702u	-1.6879u	-1.4690u
Na 330.237	2930568x	2922128x	2956989x
Ni 231.604	5.0314	2.0675	2.2417
Pb 220.353	5.3186	5.1328	4.7088
Sb 206.834	-3.2106u	3.8109	1.7211
Se 196.026	26.9732	15.1343	7.8624
Sn 189.925	-6.7175u	-4.1237u	-0.8790
Sr 216.596	1733.80	1728.11	1723.27
Ti 334.941	-2.5093	-2.5658	-2.5330
Tl 190.794	-7.9262u	-9.3106u	-8.0893u
V 292.401	0.9837	0.8773	1.1635
Zn 206.200	0.0823	4.0543	0.2123

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6813b	ppb	0.0310	4.5	-145.785
Al 308.215	44.1522b	ppb	3.6998	8.4	52.7277
As 188.980	1.5641b	ppb	2.8560	182.6	-9.7696
B 249.678	2707.06b	ppb	13.7315	0.5	29482.0
Ba 389.178	656.871b	ppb	0.9491	0.1	12505.5
Be 313.042	0.1082b	ppb	0.0025	2.3	-378.071
Ca 370.602	161307b	ppb	551.8	0.3	380905
Cd 226.502	0.0228b	ppb	0.1028	450.6	58.1838
Co 228.615	0.8371b	ppb	1.0375	123.9	-0.3062
Cr 267.716	-0.5436b	ppb	0.2639	48.5	-12.3848
Cu 324.754	0.7180b	ppb	0.5049	70.3	180.933
Fe 271.441	10320.2b	ppb	16.5736	0.2	15005.8
K 766.491	131540xb	ppb	91.4069	0.1	3577305
Mg 279.078	265544b	ppb	486.458	0.2	481317
Mn 257.610	473.800b	ppb	0.2350	0.0	99345.5
Mo 202.032	-1.6423b	ppb	0.1557	9.5	10.0168
Na 330.237	2936562xb	ppb	18186.9	0.6	115155
Ni 231.604	3.1135b	ppb	1.6632	53.4	-0.1366
Pb 220.353	5.0534b	ppb	0.3126	6.2	39.9822
Sb 206.834	0.7738b	ppb	3.6053	465.9	0.2995
Se 196.026	16.6566b	ppb	9.6459	57.9	16.7660
Sn 189.925	-3.9067b	ppb	2.9253	74.9	-9.8114
Sr 216.596	1728.39b	ppb	5.2708	0.3	14742.8
Ti 334.941	-2.5360b	ppb	0.0284	1.1	188.072
Tl 190.794	-8.4420b	ppb	0.7566	9.0	-18.3580
V 292.401	1.0082b	ppb	0.1447	14.3	1.0855
Zn 206.200	1.4496b	ppb	2.2566	155.7	4.0557

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640-43210-c-5-a (Samp) 4/25/2013, 3:39:10 AM Rack 3, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1492u	-0.4497u	-0.5671u
Al 308.215	18.6768	9.9847	7.1134
As 188.980	-1.8885u	9.0748	-2.1234u
B 249.678	2628.54	2631.26	2644.90
Ba 389.178	604.908	605.528	604.122
Be 313.042	0.0986u	0.0993u	0.0970u
Ca 370.602	139910	139939	139355
Cd 226.502	0.0235	-0.0011	0.1638
Co 228.615	1.0852	0.4732	1.0501
Cr 267.716	-0.6902	-1.3866u	-1.2202u
Cu 324.754	2.9759	3.0146	2.5818
Fe 271.441	8700.90	8668.31	8669.41
K 766.491	126664x	126937x	126718x
Mg 279.078	233599	233688	233163
Mn 257.610	167.699	167.655	167.543
Mo 202.032	-1.2806u	-0.7111u	-0.8555u
Na 330.237	2893919x	2897116x	2895913x
Ni 231.604	4.6583	4.1621	5.1949
Pb 220.353	0.3281	1.0465	5.8451
Sb 206.834	-0.1539	-5.5337u	-6.3622u
Se 196.026	7.1404	14.7004	13.7303
Sn 189.925	-2.6419u	-7.5250u	-3.7415u
Sr 216.596	1676.40	1674.82	1668.13
Ti 334.941	-2.9141	-2.8043	-2.8740
Tl 190.794	-11.4701u	-14.1270u	-6.1653u
V 292.401	1.4261	1.0507	0.9670
Zn 206.200	3.6012	1.4783	0.1861

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3887b	ppb	0.2155	55.5	-124.683
Al 308.215	11.9250b	ppb	6.0209	50.5	-9.6855
As 188.980	1.6876b	ppb	6.3985	379.1	-9.7292
B 249.678	2634.90b	ppb	8.7648	0.3	28710.4
Ba 389.178	604.852b	ppb	0.7047	0.1	11488.9
Be 313.042	0.0983b	ppb	0.0012	1.2	-394.566
Ca 370.602	139735b	ppb	329.3	0.2	329976
Cd 226.502	0.0621b	ppb	0.0889	143.2	54.0629
Co 228.615	0.8695b	ppb	0.3437	39.5	-0.0142
Cr 267.716	-1.0990b	ppb	0.3637	33.1	-29.0870
Cu 324.754	2.8574b	ppb	0.2395	8.4	280.186
Fe 271.441	8679.54b	ppb	18.5046	0.2	12624.7
K 766.491	126773xb	ppb	144.668	0.1	3447667
Mg 279.078	233484b	ppb	280.909	0.1	423213
Mn 257.610	167.632b	ppb	0.0802	0.0	35912.8
Mo 202.032	-0.9491b	ppb	0.2961	31.2	14.4105
Na 330.237	2895649xb	ppb	1614.71	0.1	113552
Ni 231.604	4.6718b	ppb	0.5165	11.1	3.4254
Pb 220.353	2.4066b	ppb	2.9995	124.6	36.5100
Sb 206.834	-4.0166b	ppb	3.3708	83.9	-4.0724
Se 196.026	11.8571b	ppb	4.1134	34.7	14.6151
Sn 189.925	-4.6361b	ppb	2.5615	55.3	-10.2930
Sr 216.596	1673.11b	ppb	4.3920	0.3	14270.2
Ti 334.941	-2.8641b	ppb	0.0556	1.9	6.1472
Tl 190.794	-10.5875b	ppb	4.0536	38.3	-19.6858
V 292.401	1.1479b	ppb	0.2445	21.3	4.2246
Zn 206.200	1.7552b	ppb	1.7243	98.2	4.3430

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

640-43210-c-6-a (Samp) 4/25/2013, 3:44:57 AM Rack 3, Tube 10

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2792u	-0.4949u	-0.4015u
Al 308.215	5.9193	2.8171	9.3625
As 188.980	10.0572	16.7613	17.2063
B 249.678	166.906	165.412	161.722
Ba 389.178	385.836	385.159	385.528
Be 313.042	-0.0238u	-0.0225u	-0.0283u
Ca 370.602	84321	84171	84240
Cd 226.502	-0.5818	-0.5665	-0.3229
Co 228.615	-0.2497u	-0.6493u	-0.3115u
Cr 267.716	0.4507	0.3266	0.5938
Cu 324.754	-0.0421u	0.2291	0.4059
Fe 271.441	6316.95	6310.68	6331.90
K 766.491	9824.69	9808.12	9754.85
Mg 279.078	29015.4	29019.6	29031.9
Mn 257.610	627.634	627.859	627.480
Mo 202.032	-1.4714u	-1.1567u	-0.8338u
Na 330.237	104487x	104518x	104527x
Ni 231.604	1.9217	1.3251	1.4471
Pb 220.353	2.0142	-4.4403u	-0.2080u
Sb 206.834	-0.4019u	-4.6454u	-1.9206u
Se 196.026	0.9709	-4.6237u	-3.2761u
Sn 189.925	-1.2303u	-3.2320u	1.1212
Sr 216.596	558.479	557.856	558.305
Ti 334.941	0.1150	0.2180	0.1466
Tl 190.794	-1.8488u	-5.0003u	-1.1144u
V 292.401	-0.0525u	0.1225	-0.3104u
Zn 206.200	0.2804	-0.5459u	0.7675

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3918b	ppb	0.1082	27.6	-75.4709
Al 308.215	6.0330b	ppb	3.2742	54.3	-21.0990
As 188.980	14.6749b	ppb	4.0052	27.3	-4.3458
B 249.678	164.680b	ppb	2.6680	1.6	2238.06
Ba 389.178	385.508b	ppb	0.3387	0.1	7065.15
Be 313.042	-0.0249b	ppb	0.0030	12.1	-342.458
Ca 370.602	84244b	ppb	75.19	0.1	198883
Cd 226.502	-0.4904b	ppb	0.1452	29.6	39.5325
Co 228.615	-0.4035b	ppb	0.2151	53.3	-10.9963
Cr 267.716	0.4570b	ppb	0.1337	29.3	-11.9927
Cu 324.754	0.1976b	ppb	0.2256	114.2	155.572
Fe 271.441	6319.84b	ppb	10.9018	0.2	9199.99
K 766.491	9795.89b	ppb	36.4910	0.4	266582
Mg 279.078	29022.3b	ppb	8.5926	0.0	52627.3
Mn 257.610	627.658b	ppb	0.1911	0.0	129906
Mo 202.032	-1.1540b	ppb	0.3188	27.6	13.2372
Na 330.237	104510xb	ppb	21.0287	0.0	4153.29
Ni 231.604	1.5646b	ppb	0.3152	20.1	-3.7810
Pb 220.353	-0.8780b	ppb	3.2790	373.5	32.3413
Sb 206.834	-2.3226b	ppb	2.1501	92.6	-2.5814
Se 196.026	-2.3096b	ppb	2.9199	126.4	8.5737
Sn 189.925	-1.1137b	ppb	2.1789	195.7	-8.7782
Sr 216.596	558.213b	ppb	0.3216	0.1	4779.81
Ti 334.941	0.1599b	ppb	0.0527	33.0	103.732
Tl 190.794	-2.6545b	ppb	2.0644	77.8	-13.5949
V 292.401	-0.0801b	ppb	0.2178	271.7	-8.8670
Zn 206.200	0.1673b	ppb	0.6640	396.8	2.8565

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640-43210-c-7-a (Samp) 4/25/2013, 3:50:34 AM Rack 3, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0229u	0.0233u	-0.2582u
Al 308.215	6.9952	7.4379	4.2250
As 188.980	11.8329	12.0833	18.9709
B 249.678	511.769	513.842	513.374
Ba 389.178	650.478	650.072	648.222
Be 313.042	-0.0180u	-0.0019u	-0.0096u
Ca 370.602	92211	91974	92090
Cd 226.502	-0.5463	-0.7975	-0.4647
Co 228.615	3.7714	3.2302	3.1539
Cr 267.716	0.4406	-0.3110	-0.0284
Cu 324.754	0.2928	0.3831	0.2306
Fe 271.441	23136.3	23061.3	23066.6
K 766.491	20781.8	20721.6	20615.7
Mg 279.078	47613.9	47516.3	47658.5
Mn 257.610	510.573	510.669	510.642
Mo 202.032	-1.1868u	-1.0933u	-1.5055u
Na 330.237	575401x	574187x	574097x
Ni 231.604	2.9220	4.7443	4.8491
Pb 220.353	2.9813	1.6104	2.7852
Sb 206.834	-4.4941u	-1.8447u	-5.2790u
Se 196.026	2.8185	14.2806	9.2783
Sn 189.925	-1.6701u	-2.4094u	1.4212
Sr 216.596	667.749	667.852	670.136
Ti 334.941	0.0308	0.0458	0.1603
Tl 190.794	-4.4339u	-7.7432u	-2.4772u
V 292.401	0.4742	0.0883u	0.7488
Zn 206.200	-2.0356u	0.6596	-0.9403u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0706b	ppb	0.1624	229.9	-61.7074
Al 308.215	6.2194b	ppb	1.7413	28.0	-20.7412
As 188.980	14.2957b	ppb	4.0508	28.3	-4.3933
B 249.678	512.995b	ppb	1.0876	0.2	5953.23
Ba 389.178	649.591b	ppb	1.2029	0.2	11938.0
Be 313.042	-0.0098b	ppb	0.0080	81.5	-360.014
Ca 370.602	92092b	ppb	118.7	0.1	216428
Cd 226.502	-0.6028b	ppb	0.1734	28.8	86.7162
Co 228.615	3.3852b	ppb	0.3367	9.9	21.2996
Cr 267.716	0.0337b	ppb	0.3796	1124.9	-17.2046
Cu 324.754	0.3022b	ppb	0.0767	25.4	165.072
Fe 271.441	23088.1b	ppb	41.8478	0.2	33536.0
K 766.491	20706.4b	ppb	84.0531	0.4	563282
Mg 279.078	47596.2b	ppb	72.7123	0.2	86296.2
Mn 257.610	510.628b	ppb	0.0496	0.0	105861
Mo 202.032	-1.2619b	ppb	0.2161	17.1	11.8406
Na 330.237	574562xb	ppb	728.475	0.1	22573.3
Ni 231.604	4.1718b	ppb	1.0836	26.0	2.5347
Pb 220.353	2.4590b	ppb	0.7414	30.2	36.6340
Sb 206.834	-3.8726b	ppb	1.7995	46.5	-3.6416
Se 196.026	8.7925b	ppb	5.7465	65.4	13.4365
Sn 189.925	-0.8861b	ppb	2.0321	229.3	-8.5126
Sr 216.596	668.579b	ppb	1.3497	0.2	5724.74
Ti 334.941	0.0790b	ppb	0.0709	89.7	126.370
Tl 190.794	-4.8848b	ppb	2.6618	54.5	-16.0014
V 292.401	0.4371b	ppb	0.3318	75.9	0.3585
Zn 206.200	-0.7721b	ppb	1.3555	175.5	-515.9785

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680-89402-g-1-a (Samp) 4/25/2013, 3:56:11 AM Rack 3, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3506u	-0.3816u	-0.2887u
Al 308.215	4881.11	4846.06	4856.51
As 188.980	10.2699	11.9013	9.6936
B 249.678	189.866	190.347	191.191
Ba 389.178	432.771	433.195	431.949
Be 313.042	7.3696	7.3508	7.3556
Ca 370.602	53773	53623	53599
Cd 226.502	-0.6208	-0.3467	-0.4348
Co 228.615	11.0776	11.5934	11.8646
Cr 267.716	4.1727	4.1504	4.4463
Cu 324.754	1.7439	1.7853	1.3197
Fe 271.441	15827.5	15813.9	15788.8
K 766.491	2768.36	2757.84	2740.57
Mg 279.078	3849.74	3850.30	3841.71
Mn 257.610	447.044	447.226	447.311
Mo 202.032	30.9234	30.4484	30.8504
Na 330.237	259465x	260594x	259480x
Ni 231.604	12.4087	12.1990	12.0799
Pb 220.353	18.7858	24.3746	19.8604
Sb 206.834	-1.8514u	-1.2636u	-2.6545u
Se 196.026	9.3670	1.4471	6.8901
Sn 189.925	-4.8517u	2.7656	-5.2924u
Sr 216.596	426.619	424.250	426.583
Ti 334.941	12.6094	12.5835	12.4693
Tl 190.794	-5.6220u	-1.6834u	-11.4418u
V 292.401	6.6961	6.4143	7.0081
Zn 206.200	32.7621	31.7480	32.6982

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3403b	ppb	0.0473	13.9	-68.3552
Al 308.215	4861.22b	ppb	17.9954	0.4	9385.02
As 188.980	10.6216b	ppb	1.1451	10.8	-5.9742
B 249.678	190.468b	ppb	0.6709	0.4	2504.28
Ba 389.178	432.638b	ppb	0.6336	0.1	7883.52
Be 313.042	7.3587b	ppb	0.0098	0.1	11029.2
Ca 370.602	53665b	ppb	94.66	0.2	125981
Cd 226.502	-0.4674b	ppb	0.1399	29.9	68.9861
Co 228.615	11.5118b	ppb	0.3998	3.5	91.0955
Cr 267.716	4.2565b	ppb	0.1648	3.9	95.0323
Cu 324.754	1.6163b	ppb	0.2577	15.9	225.066
Fe 271.441	15810.1b	ppb	19.6604	0.1	22974.6
K 766.491	2755.59b	ppb	14.0303	0.5	75127.9
Mg 279.078	3847.25b	ppb	4.8041	0.1	7001.26
Mn 257.610	447.194b	ppb	0.1363	0.0	92509.0
Mo 202.032	30.7407b	ppb	0.2558	0.8	211.694
Na 330.237	259846xb	ppb	647.573	0.2	10239.3
Ni 231.604	12.2292b	ppb	0.1665	1.4	20.9781
Pb 220.353	21.0070b	ppb	2.9656	14.1	60.4929
Sb 206.834	-1.9232b	ppb	0.6982	36.3	-2.3309
Se 196.026	5.9014b	ppb	4.0515	68.7	12.1348
Sn 189.925	-2.4595b	ppb	4.5305	184.2	-9.6047
Sr 216.596	425.817b	ppb	1.3574	0.3	3652.92
Ti 334.941	12.5541b	ppb	0.0745	0.6	2706.10
Tl 190.794	-6.2491b	ppb	4.9093	78.6	-16.7452
V 292.401	6.7062b	ppb	0.2970	4.4	141.018
Zn 206.200	32.4028b	ppb	0.5679	1.8	32.9994

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Cont Calib Verif (CCV) 4/25/2013, 4:01:47 AM Rack 3, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	511.792	508.863	505.293
Al 308.215	5106.98	5095.75	5125.83
As 188.980	525.936	513.718	532.313
B 249.678	514.878	521.495	520.967
Ba 389.178	5198.89	5213.93	5211.58
Be 313.042	543.638	543.056	545.471
Ca 370.602	5090	5116	5137
Cd 226.502	533.763	536.934	538.027
Co 228.615	534.294	536.940	537.044
Cr 267.716	5337.29	5332.03	5368.79
Cu 324.754	5385.34	5231.90	5196.44
Fe 271.441	5121.59	5142.70	5146.02
K 766.491	10312.0	10315.6	10279.0
Mg 279.078	5198.86	5209.79	5220.94
Mn 257.610	5354.98	5390.63	5393.14
Mo 202.032	505.840	510.377	509.438
Na 330.237	7319.67	7558.48	7564.88
Ni 231.604	2689.24	2703.36	2711.20
Pb 220.353	513.306	515.902	513.754
Sb 206.834	986.652	989.074	989.053
Se 196.026	5194.34	5206.29	5228.66
Sn 189.925	5123.94	5211.26	5216.47
Sr 216.596	2570.28	2580.68	2591.31
Ti 334.941	511.259	511.679	511.656
Tl 190.794	5127.87	5159.77	5178.52
V 292.401	5114.51	5133.68	5131.07
Zn 206.200	2671.84	2710.33	2692.08

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	508.649	ppb	3.2544	0.6	33199.0	101.72990
Al 308.215	5109.52	ppb	15.1986	0.3	9856.52	102.19035
As 188.980	523.989	ppb	9.4491	1.8	207.287	104.79781
B 249.678	519.113	ppb	3.6777	0.7	6037.91	20.76453Q
Ba 389.178	5208.13	ppb	8.0941	0.2	94970.9	104.16269
Be 313.042	544.055	ppb	1.2605	0.2	839266	108.81093
Ca 370.602	5114	ppb	23.26	0.5	11998	102.28952
Cd 226.502	536.241	ppb	2.2150	0.4	16360.2	107.24825
Co 228.615	536.092	ppb	1.5581	0.3	4629.34	107.21849
Cr 267.716	5346.04	ppb	19.8790	0.4	147287	106.92072
Cu 324.754	5271.23	ppb	100.402	1.9	245766	105.42450
Fe 271.441	5136.77	ppb	13.2521	0.3	7594.74	102.73536
K 766.491	10302.2	ppb	20.1746	0.2	280351	103.02222
Mg 279.078	5209.86	ppb	11.0414	0.2	9401.20	104.19726
Mn 257.610	5379.58	ppb	21.3443	0.4	1111637	107.59160
Mo 202.032	508.552	ppb	2.3951	0.5	3183.21	101.71036
Na 330.237	7481.01	ppb	139.762	1.9	332.180	99.74677
Ni 231.604	2701.27	ppb	11.1321	0.4	6219.73	108.05065
Pb 220.353	514.321	ppb	1.3877	0.3	698.101	102.86415
Sb 206.834	988.259	ppb	1.3924	0.1	938.012	98.82593
Se 196.026	5209.76	ppb	17.4192	0.3	2264.00	104.19525
Sn 189.925	5183.89	ppb	51.9826	1.0	3287.19	103.67783
Sr 216.596	2580.76	ppb	10.5156	0.4	21929.3	103.23020
Ti 334.941	511.531	ppb	0.2358	0.0	111364	102.30627
Tl 190.794	5155.38	ppb	25.6098	0.5	4234.98	103.10770
V 292.401	5126.42	ppb	10.3973	0.2	117790	102.52847
Zn 206.200	2691.41	ppb	19.2510	0.7	2510.23	107.65659

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Cont Calib Blank (CCB) 4/25/2013, 4:07:23 AM Rack 3, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0689	0.1894	-0.0812u
Al 308.215	1.8100	3.8700	0.4837
As 188.980	-3.2361u	1.6824	2.4014
B 249.678	-17.9061u	-18.5266u	-19.7108u
Ba 389.178	0.9960	0.7055	0.2166
Be 313.042	-0.0072u	0.0011	-0.0033u
Ca 370.602	4.020	9.014	4.122
Cd 226.502	-0.1689u	0.0750	0.1971
Co 228.615	-0.1663u	-0.6329u	0.1197
Cr 267.716	0.2944	0.3552	0.0579
Cu 324.754	-0.0781u	0.6692	-0.0325u
Fe 271.441	1.8464	-4.9182u	9.0227
K 766.491	-0.3524u	0.6847	-0.1491u
Mg 279.078	2.0640	-2.4150u	-2.1594u
Mn 257.610	-0.0820u	-0.0739u	-0.0907u
Mo 202.032	-0.1674u	-0.4560u	-1.1129u
Na 330.237	46.3043	-269.451u	-123.864u
Ni 231.604	-0.1157u	0.4996	0.6993
Pb 220.353	-1.7575u	1.2410	-2.3449u
Sb 206.834	-2.2500u	-0.4407u	-2.2613u
Se 196.026	-0.9439u	10.6944	1.9610
Sn 189.925	2.8366	0.1148	-0.8473u
Sr 216.596	-0.0356u	-0.1689u	-0.1661u
Ti 334.941	-0.0479u	-0.1444u	-0.1043u
Tl 190.794	-6.6816u	-3.0596u	-5.7604u
V 292.401	0.2134	0.0153	-0.1562u
Zn 206.200	0.6891	0.9211	-2.5810u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0590	ppb	0.1356	229.8	-25.1548	0.05900
Al 308.215	2.0546	ppb	1.7063	83.1	-28.7786	2.05459
As 188.980	0.2826	ppb	3.0684	1085.9	-10.3706	0.28255
B 249.678	-18.7145	ppb	0.9169	4.9	279.261	-18.71451
Ba 389.178	0.6394	ppb	0.3939	61.6	-20.1112	0.63938
Be 313.042	-0.0031	ppb	0.0041	131.9	-322.451	-0.00314
Ca 370.602	5.719	ppb	2.855	49.9	10.52	5.71854
Cd 226.502	0.0344	ppb	0.1863	541.8	35.9030	0.03439
Co 228.615	-0.2265	ppb	0.3799	167.7	-9.3401	-0.22647
Cr 267.716	0.2358	ppb	0.1571	66.6	-21.4976	0.23583
Cu 324.754	0.1862	ppb	0.4189	225.0	153.310	0.18620
Fe 271.441	1.9836	ppb	6.9715	351.4	30.9519	1.98364
K 766.491	0.0611	ppb	0.5496	900.1	194.028	0.06106
Mg 279.078	-0.8368	ppb	2.5154	300.6	31.6000	-0.83685
Mn 257.610	-0.0822	ppb	0.0084	10.2	33.0249	-0.08221
Mo 202.032	-0.5788	ppb	0.4845	83.7	17.0962	-0.57876
Na 330.237	-115.670	ppb	158.037	136.6	53.9020	-115.67005
Ni 231.604	0.3611	ppb	0.4248	117.7	-6.6707	0.36107
Pb 220.353	-0.9538	ppb	1.9233	201.6	32.1375	-0.95382
Sb 206.834	-1.6506	ppb	1.0479	63.5	-2.1158	-1.65065
Se 196.026	3.9038	ppb	6.0575	155.2	11.0929	3.90383
Sn 189.925	0.7014	ppb	1.9107	272.4	-7.6780	0.70135
Sr 216.596	-0.1235	ppb	0.0762	61.7	20.7320	-0.12351
Ti 334.941	-0.0989	ppb	0.0485	49.0	-49.2472	-0.09889
Tl 190.794	-5.1672	ppb	1.8825	36.4	-14.6396	-5.16720
V 292.401	0.0242	ppb	0.1849	764.7	-6.1932	0.02418
Zn 206.200	-0.3236	ppb	1.9584	605.2	2.3983	-0.32358

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5088u	-0.6316u	-0.0943u
Al 308.215	12857.4	12925.9	13032.4
As 188.980	14.0929	8.7779	13.1206
B 249.678	132.109	134.057	134.609
Ba 389.178	398.827	399.911	400.367
Be 313.042	7.2810	7.2789	7.2940
Ca 370.602	83529	83780	83962
Cd 226.502	-0.4860	-0.4692	-0.6059
Co 228.615	5.8833	4.5438	4.6791
Cr 267.716	8.1063	8.1855	8.3755
Cu 324.754	1.7137	1.7908	2.2034
Fe 271.441	15279.4	15321.5	15347.3
K 766.491	2608.01	2606.31	2612.74
Mg 279.078	5046.92	5051.38	5067.94
Mn 257.610	255.336	256.139	256.069
Mo 202.032	14.6025	14.8266	15.3852
Na 330.237	216003x	216163x	215807x
Ni 231.604	10.2748	9.9407	9.6938
Pb 220.353	20.8385	19.2213	21.3441
Sb 206.834	-2.8742u	1.5640	-1.1994u
Se 196.026	6.2494	7.1614	1.6324
Sn 189.925	1.6687	-3.9606u	0.8046
Sr 216.596	486.845	491.565	491.897
Ti 334.941	27.0035	27.0264	27.0659
Tl 190.794	-5.3676u	-0.2533u	-5.9855u
V 292.401	7.4859	7.3693	7.6980
Zn 206.200	44.1296	41.0763	45.6241

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4116b	ppb	0.2816	68.4	-76.3716
Al 308.215	12938.6b	ppb	88.2063	0.7	25030.5
As 188.980	11.9971b	ppb	2.8300	23.6	-5.4027
B 249.678	133.592b	ppb	1.3131	1.0	1895.24
Ba 389.178	399.702b	ppb	0.7910	0.2	7284.77
Be 313.042	7.2846b	ppb	0.0082	0.1	10930.2
Ca 370.602	83757b	ppb	217.3	0.3	197183
Cd 226.502	-0.5204b	ppb	0.0746	14.3	66.0202
Co 228.615	5.0354b	ppb	0.7374	14.6	35.8763
Cr 267.716	8.2225b	ppb	0.1384	1.7	203.427
Cu 324.754	1.9026b	ppb	0.2633	13.8	237.850
Fe 271.441	15316.1b	ppb	34.2316	0.2	22256.8
K 766.491	2609.02b	ppb	3.3329	0.1	71142.2
Mg 279.078	5055.41b	ppb	11.0707	0.2	9191.63
Mn 257.610	255.848b	ppb	0.4446	0.2	52978.1
Mo 202.032	14.9381b	ppb	0.4031	2.7	113.178
Na 330.237	215991xb	ppb	178.195	0.1	8520.33
Ni 231.604	9.9698b	ppb	0.2916	2.9	15.7629
Pb 220.353	20.4680b	ppb	1.1089	5.4	59.6691
Sb 206.834	-0.8365b	ppb	2.2412	267.9	-1.1292
Se 196.026	5.0144b	ppb	2.9641	59.1	11.7072
Sn 189.925	-0.4958b	ppb	3.0316	611.5	-8.3576
Sr 216.596	490.102b	ppb	2.8259	0.6	4202.65
Ti 334.941	27.0319b	ppb	0.0316	0.1	5865.25
Tl 190.794	-3.8688b	ppb	3.1463	81.3	-14.5276
V 292.401	7.5177b	ppb	0.1666	2.2	162.609
Zn 206.200	43.6100b	ppb	2.3180	5.3	43.4748

680-89402-g-3-a (Samp) **4/25/2013, 4:18:36 AM** **Rack 3, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1770	-0.1713u	-0.2997u
Al 308.215	51.8711	52.3251	54.4683
As 188.980	1.3443	4.9124	8.5395
B 249.678	15.4607	15.2213	16.4823
Ba 389.178	202.671	203.969	204.082
Be 313.042	-0.0249u	-0.0263u	-0.0328u
Ca 370.602	123359	123399	124066
Cd 226.502	-0.2752	-0.3174	-0.1819
Co 228.615	18.4584	18.9544	18.4460
Cr 267.716	0.8890	1.2641	1.5212
Cu 324.754	0.1583	0.3620	0.1100
Fe 271.441	9888.31	9891.75	9909.76
K 766.491	1280.86	1277.11	1275.60
Mg 279.078	5803.64	5795.76	5801.63
Mn 257.610	5197.93	5190.51	5201.84
Mo 202.032	7.7829	8.5271	7.7149
Na 330.237	93063.1x	93126.5x	93112.7x
Ni 231.604	7.1111	3.9843	4.9957
Pb 220.353	2.3561	-0.7408u	-2.4533u
Sb 206.834	-4.0186u	-3.5282u	2.5824
Se 196.026	5.9236	-0.0769	1.1703
Sn 189.925	-0.2641u	-1.2451u	0.8891
Sr 216.596	403.551	404.032	407.138
Ti 334.941	0.5690	0.5988	0.5875
Tl 190.794	-0.8354u	2.2216u	3.3291u
V 292.401	-0.3899u	-0.7093u	-0.0603u
Zn 206.200	-0.8105u	-1.0545u	-0.4505u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0980b	ppb	0.2467	251.8	-32.2345
Al 308.215	52.8882b	ppb	1.3871	2.6	70.0627
As 188.980	4.9321b	ppb	3.5976	72.9	-8.3742
B 249.678	15.7215b	ppb	0.6697	4.3	637.753
Ba 389.178	203.574b	ppb	0.7842	0.4	3703.54
Be 313.042	-0.0280b	ppb	0.0042	15.1	-336.004
Ca 370.602	123608b	ppb	397.1	0.3	291867
Cd 226.502	-0.2582b	ppb	0.0693	26.9	57.5846
Co 228.615	18.6196b	ppb	0.2900	1.6	152.958
Cr 267.716	1.2248b	ppb	0.3179	26.0	20.8751
Cu 324.754	0.2101b	ppb	0.1337	63.7	157.373
Fe 271.441	9896.61b	ppb	11.5194	0.1	14393.3
K 766.491	1277.86b	ppb	2.7100	0.2	34942.4
Mg 279.078	5800.34b	ppb	4.0931	0.1	10476.0
Mn 257.610	5196.76b	ppb	5.7554	0.1	1073878
Mo 202.032	8.0083b	ppb	0.4506	5.6	70.2143
Na 330.237	93100.8xb	ppb	33.3415	0.0	3705.27
Ni 231.604	5.3637b	ppb	1.5956	29.7	5.0421
Pb 220.353	-0.2794b	ppb	2.4377	872.6	33.8683
Sb 206.834	-1.6548b	ppb	3.6777	222.2	-2.0157
Se 196.026	2.3390b	ppb	3.1663	135.4	11.5907
Sn 189.925	-0.2067b	ppb	1.0683	516.8	-8.1917
Sr 216.596	404.907b	ppb	1.9473	0.5	3479.59
Ti 334.941	0.5851b	ppb	0.0150	2.6	115.563
Tl 190.794	1.5718b	ppb	2.1570	137.2	-15.7789
V 292.401	-0.3865b	ppb	0.3245	84.0	-17.5554
Zn 206.200	-0.7718b	ppb	0.3038	29.4	515.9784

680-89402-g-4-a (Samp) 4/25/2013, 4:24:12 AM Rack 3, Tube 17
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1491u	-0.3140u	-0.2457u
Al 308.215	739.440	735.851	748.017
As 188.980	0.4887	2.4141	0.3429
B 249.678	15.3350	16.0073	16.4976
Ba 389.178	56.8573	56.7276	56.3268
Be 313.042	0.1487	0.1448	0.1546
Ca 370.602	31458	31466	31665
Cd 226.502	-0.3319u	-0.3004u	-0.0299
Co 228.615	0.0194u	0.6713	0.4858
Cr 267.716	1.3214	1.1822	1.1214
Cu 324.754	0.9555	0.3565	0.3172
Fe 271.441	1209.31	1201.92	1210.85
K 766.491	697.659	691.222	691.772
Mg 279.078	996.094	992.116	992.535
Mn 257.610	161.455	161.527	161.405
Mo 202.032	21.8956	21.3991	21.6615
Na 330.237	62705.2	62624.1	62460.7
Ni 231.604	3.3823	2.4502	2.5205
Pb 220.353	5.6100	-1.8612u	3.1766
Sb 206.834	-4.1498u	-2.3544u	-1.1940u
Se 196.026	-0.1332u	-11.9563u	-6.8340u
Sn 189.925	-0.6086u	0.3600	-1.2675u
Sr 216.596	142.733	144.233	144.780
Ti 334.941	10.5319	10.5751	10.5646
Tl 190.794	-5.7569u	-9.3940u	-12.3174u
V 292.401	0.6324	0.0597u	0.3834
Zn 206.200	8.5942	8.6251	6.7979

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2363	ppb	0.0829	35.1	-49.6983
Al 308.215	741.103	ppb	6.2512	0.8	1403.78
As 188.980	1.0819	ppb	1.1560	106.8	-10.0344
B 249.678	15.9466	ppb	0.5837	3.7	649.454
Ba 389.178	56.6373	ppb	0.2766	0.5	1004.55
Be 313.042	0.1494	ppb	0.0049	3.3	-86.3272
Ca 370.602	31530	ppb	117.5	0.4	74503
Cd 226.502	-0.2207	ppb	0.1660	75.2	31.6628
Co 228.615	0.3922	ppb	0.3359	85.7	-4.3750
Cr 267.716	1.2083	ppb	0.1025	8.5	6.4747
Cu 324.754	0.5431	ppb	0.3577	65.9	170.841
Fe 271.441	1207.36	ppb	4.7717	0.4	1780.34
K 766.491	693.551	ppb	3.5684	0.5	19052.8
Mg 279.078	993.581	ppb	2.1858	0.2	1831.73
Mn 257.610	161.462	ppb	0.0612	0.0	33420.2
Mo 202.032	21.6521	ppb	0.2484	1.1	155.662
Na 330.237	62596.7	ppb	124.557	0.2	2511.53
Ni 231.604	2.7843	ppb	0.5191	18.6	-1.0622
Pb 220.353	2.3085	ppb	3.8105	165.1	36.3441
Sb 206.834	-2.5661	ppb	1.4892	58.0	-3.1803
Se 196.026	-6.3079	ppb	5.9291	94.0	6.7171
Sn 189.925	-0.5054	ppb	0.8186	162.0	-8.4191
Sr 216.596	143.915	ppb	1.0595	0.7	1248.46
Ti 334.941	10.5572	ppb	0.0225	0.2	2270.97
Tl 190.794	-9.1561	ppb	3.2867	35.9	-18.1820
V 292.401	0.3585	ppb	0.2871	80.1	-2.4273
Zn 206.200	8.0057	ppb	1.0461	13.1	10.1868

680-89402-g-5-a (Samp) 4/25/2013, 4:29:48 AM Rack 3, Tube 18
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6280u	-0.3969u	-0.5977u
Al 308.215	4005.01	4023.95	4039.85
As 188.980	9.0403	21.0522	9.8234
B 249.678	74.7768	76.1870	76.1899
Ba 389.178	397.606	399.362	396.673
Be 313.042	0.6819	0.6814	0.6809
Ca 370.602	921723x	918450x	920255x
Cd 226.502	0.0730	0.3925	0.1210
Co 228.615	6.3016	5.8377	6.2962
Cr 267.716	5.9809	6.2055	6.4869
Cu 324.754	-1.2037u	-0.8631u	-0.6287u
Fe 271.441	5938.85	5927.16	5922.81
K 766.491	2494.17	2488.58	2484.39
Mg 279.078	8898.16	8920.58	8902.67
Mn 257.610	587.608	588.094	587.787
Mo 202.032	38.6842	38.0713	38.1753
Na 330.237	216716x	215260x	215031x
Ni 231.604	16.3885	13.9568	17.0034
Pb 220.353	6.7859	4.7879	7.3438
Sb 206.834	-0.0422u	-2.2363u	9.2397
Se 196.026	-2.0832u	0.1655	-0.7707u
Sn 189.925	-1.5416u	1.9072	0.4957
Sr 216.596	1663.40	1675.82	1673.76
Ti 334.941	44.5611	44.5935	44.5419
Tl 190.794	-11.1626u	-11.1611u	-8.9633u
V 292.401	3.3322	2.3723	3.1342
Zn 206.200	19.7488	20.5269	22.0145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5409b	ppb	0.1256	23.2	-130.623
Al 308.215	4022.94b	ppb	17.4461	0.4	7761.56
As 188.980	13.3053b	ppb	6.7204	50.5	-4.9247
B 249.678	75.7179b	ppb	0.8150	1.1	1285.00
Ba 389.178	397.880b	ppb	1.3653	0.3	7249.07
Be 313.042	0.6814b	ppb	0.0005	0.1	974.258
Ca 370.602	920143xb	ppb	1640	0.2	2175993
Cd 226.502	0.1955b	ppb	0.1723	88.1	58.5276
Co 228.615	6.1451b	ppb	0.2663	4.3	45.4476
Cr 267.716	6.2244b	ppb	0.2535	4.1	147.909
Cu 324.754	-0.8985b	ppb	0.2891	32.2	105.360
Fe 271.441	5929.61b	ppb	8.2971	0.1	8634.55
K 766.491	2489.04b	ppb	4.9065	0.2	67879.5
Mg 279.078	8907.14b	ppb	11.8590	0.1	16168.9
Mn 257.610	587.829b	ppb	0.2458	0.0	121580
Mo 202.032	38.3102b	ppb	0.3280	0.9	259.325
Na 330.237	215669xb	ppb	914.001	0.4	8509.90
Ni 231.604	15.7829b	ppb	1.6111	10.2	28.9901
Pb 220.353	6.3059b	ppb	1.3438	21.3	41.5064
Sb 206.834	2.3204b	ppb	6.0919	262.5	1.1811
Se 196.026	-0.8961b	ppb	1.1296	126.0	9.1744
Sn 189.925	0.2871b	ppb	1.7338	604.0	-7.5884
Sr 216.596	1670.99b	ppb	6.6598	0.4	14313.6
Ti 334.941	44.5655b	ppb	0.0261	0.1	9695.10
Tl 190.794	-10.4290b	ppb	1.2693	12.2	-19.9492
V 292.401	2.9462b	ppb	0.5068	17.2	53.8270
Zn 206.200	20.7634b	ppb	1.1512	5.5	52.1096

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680-89402-g-6-a (Samp)

4/25/2013, 4:35:25 AM

Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2011u	0.0033	-0.4321u
Al 308.215	59.1945	57.4835	62.4577
As 188.980	4.4942	-1.2072u	7.7840
B 249.678	-23.0725u	-23.9782u	-23.6189u
Ba 389.178	23.3421	22.2151	23.0648
Be 313.042	0.1257	0.1249	0.1255
Ca 370.602	26389	26327	26358
Cd 226.502	-0.1876u	-0.1937u	-0.1868u
Co 228.615	7.3722	8.4580	7.7327
Cr 267.716	0.2931	0.3530	0.2724
Cu 324.754	0.2010	0.3885	0.4287
Fe 271.441	1150.51	1149.89	1152.66
K 766.491	356.071	354.639	352.531
Mg 279.078	1200.89	1197.31	1187.54
Mn 257.610	410.632	409.501	408.661
Mo 202.032	-0.7684u	-1.1310u	-1.7083u
Na 330.237	27997.1	27676.5	27541.9
Ni 231.604	4.6842	2.0261	4.7332
Pb 220.353	0.2245	2.6715	-2.5651u
Sb 206.834	-5.8181u	1.9601	-4.5211u
Se 196.026	18.0975	-2.9851u	7.4727
Sn 189.925	-3.0239u	-1.7616u	-0.6772u
Sr 216.596	36.0315	36.4352	36.3031
Ti 334.941	0.1971	0.2569	0.2566
Tl 190.794	-0.0226u	-5.7006u	-2.8978u
V 292.401	-0.3339u	-0.1383u	-0.1363u
Zn 206.200	5.6388	1.0950	4.4050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2100	ppb	0.2178	103.7	-42.7559
Al 308.215	59.7119	ppb	2.5271	4.2	82.8789
As 188.980	3.6903	ppb	4.5492	123.3	-8.9463
B 249.678	-23.5565	ppb	0.4561	1.9	226.138
Ba 389.178	22.8740	ppb	0.5872	2.6	389.098
Be 313.042	0.1254	ppb	0.0004	0.3	-118.981
Ca 370.602	26358	ppb	31.32	0.1	62279
Cd 226.502	-0.1894	ppb	0.0038	2.0	32.5824
Co 228.615	7.8543	ppb	0.5530	7.0	60.4366
Cr 267.716	0.3062	ppb	0.0419	13.7	-18.1203
Cu 324.754	0.3394	ppb	0.1215	35.8	160.753
Fe 271.441	1151.02	ppb	1.4546	0.1	1699.51
K 766.491	354.414	ppb	1.7808	0.5	9830.30
Mg 279.078	1195.25	ppb	6.9072	0.6	2193.99
Mn 257.610	409.598	ppb	0.9889	0.2	84691.8
Mo 202.032	-1.2026	ppb	0.4740	39.4	13.1571
Na 330.237	27738.5	ppb	233.833	0.8	1145.36
Ni 231.604	3.8145	ppb	1.5490	40.6	1.3113
Pb 220.353	0.1103	ppb	2.6201	2376.0	33.5796
Sb 206.834	-2.7930	ppb	4.1671	149.2	-3.1128
Se 196.026	7.5284	ppb	10.5414	140.0	12.7552
Sn 189.925	-1.8209	ppb	1.1745	64.5	-9.2658
Sr 216.596	36.2566	ppb	0.2058	0.6	332.738
Ti 334.941	0.2369	ppb	0.0345	14.5	26.5878
Tl 190.794	-2.8737	ppb	2.8391	98.8	-13.2893
V 292.401	-0.2028	ppb	0.1135	56.0	-11.4901
Zn 206.200	3.7129	ppb	2.3496	63.3	6.1731

680-89402-g-7-a (Samp) 4/25/2013, 4:41:01 AM Rack 3, Tube 20
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1522u	-0.3536u	-0.3975u
Al 308.215	3028.24	3059.54	3067.17
As 188.980	3.0718	5.4459	6.3099
B 249.678	66.1913	66.3637	66.0743
Ba 389.178	201.736	200.047	200.435
Be 313.042	4.5599	4.5526	4.5608
Ca 370.602	36563	36736	36707
Cd 226.502	-0.0995	0.0935	-0.0768
Co 228.615	5.2549	5.7692	5.9220
Cr 267.716	1.6755	1.2383	1.8053
Cu 324.754	1.7427	1.5049	1.5286
Fe 271.441	7467.35	7473.33	7478.77
K 766.491	1830.32	1822.95	1823.32
Mg 279.078	2275.61	2297.62	2288.28
Mn 257.610	210.818	211.014	210.696
Mo 202.032	6.4706	5.9977	6.9534
Na 330.237	161548x	161120x	160751x
Ni 231.604	5.6752	5.6715	4.1903
Pb 220.353	25.4606	20.9898	26.4306
Sb 206.834	-1.0352u	-2.5039u	-7.2366u
Se 196.026	9.5634	-2.0082u	-1.1248u
Sn 189.925	0.0098	-7.7525u	3.2557
Sr 216.596	288.108	290.564	289.901
Ti 334.941	10.1963	10.1944	10.2427
Tl 190.794	-2.7406u	-6.3230u	-4.4271u
V 292.401	4.2656	3.7656	4.3007
Zn 206.200	21.4440	21.3947	21.9889

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3011b	ppb	0.1308	43.4	-60.2727
Al 308.215	3051.65b	ppb	20.6293	0.7	5878.72
As 188.980	4.9425b	ppb	1.6767	33.9	-8.3855
B 249.678	66.2098b	ppb	0.1456	0.2	1181.45
Ba 389.178	200.739b	ppb	0.8842	0.4	3642.00
Be 313.042	4.5578b	ppb	0.0045	0.1	6713.02
Ca 370.602	36669b	ppb	92.55	0.3	86280
Cd 226.502	-0.0276b	ppb	0.1055	382.5	56.7151
Co 228.615	5.6487b	ppb	0.3495	6.2	41.2370
Cr 267.716	1.5730b	ppb	0.2971	18.9	18.4243
Cu 324.754	1.5921b	ppb	0.1310	8.2	221.029
Fe 271.441	7473.15b	ppb	5.7104	0.1	10874.6
K 766.491	1825.53b	ppb	4.1507	0.2	49835.8
Mg 279.078	2287.17b	ppb	11.0483	0.5	4176.06
Mn 257.610	210.842b	ppb	0.1604	0.1	43644.9
Mo 202.032	6.4739b	ppb	0.4779	7.4	60.7437
Na 330.237	161140xb	ppb	399.171	0.2	6372.45
Ni 231.604	5.1790b	ppb	0.8562	16.5	4.5731
Pb 220.353	24.2937b	ppb	2.9020	11.9	64.7530
Sb 206.834	-3.5919b	ppb	3.2407	90.2	-3.7523
Se 196.026	2.1435b	ppb	6.4410	300.5	10.4155
Sn 189.925	-1.4957b	ppb	5.6564	378.2	-9.0222
Sr 216.596	289.525b	ppb	1.2709	0.4	2490.11
Ti 334.941	10.2111b	ppb	0.0273	0.3	2195.25
Tl 190.794	-4.4969b	ppb	1.7922	39.9	-14.6567
V 292.401	4.1106b	ppb	0.2993	7.3	85.9225
Zn 206.200	21.6092b	ppb	0.3298	1.5	22.9089

680-89402-g-8-a (Samp) 4/25/2013, 4:46:37 AM Rack 3, Tube 21
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5700u	-0.4725u	-0.2754u
Al 308.215	2671.28	2607.19	2627.96
As 188.980	12.7515	9.0807	10.4369
B 249.678	140.261	136.803	136.589
Ba 389.178	331.858	322.290	320.550
Be 313.042	10.1856	9.9309	9.9061
Ca 370.602	126460	123367	123638
Cd 226.502	-0.4769	-0.3863	-0.5056
Co 228.615	6.2684	6.6142	6.3759
Cr 267.716	2.0495	2.0021	2.2750
Cu 324.754	0.4918	0.7063	0.3618
Fe 271.441	12201.0	11859.7	11874.6
K 766.491	3850.03	3755.60	3752.72
Mg 279.078	4383.91	4265.07	4271.59
Mn 257.610	330.543	321.602	321.146
Mo 202.032	6.3718	6.1256	5.6052
Na 330.237	284326x	277302x	278010x
Ni 231.604	10.9698	8.7265	11.1346
Pb 220.353	23.2812	26.6732	19.0762
Sb 206.834	-5.9676u	-0.2672	0.0776
Se 196.026	0.8530	6.7619	3.1077
Sn 189.925	-3.2885u	-0.4175u	-1.3923u
Sr 216.596	591.199	576.074	576.948
Ti 334.941	7.6674	7.5352	7.6021
Tl 190.794	-7.2085u	-6.2162u	-10.7447u
V 292.401	4.9002	5.1536	5.1916
Zn 206.200	35.9419	32.5461	30.3174

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4393b	ppb	0.1501	34.2	-81.1558
Al 308.215	2635.48b	ppb	32.6964	1.2	5072.53
As 188.980	10.7564b	ppb	1.8561	17.3	-5.9388
B 249.678	137.885b	ppb	2.0611	1.5	1944.81
Ba 389.178	324.899b	ppb	6.0888	1.9	5915.35
Be 313.042	10.0075b	ppb	0.1547	1.5	15139.8
Ca 370.602	124488b	ppb	1713	1.4	293722
Cd 226.502	-0.4563b	ppb	0.0623	13.6	57.2740
Co 228.615	6.4195b	ppb	0.1770	2.8	47.7485
Cr 267.716	2.1088b	ppb	0.1458	6.9	35.2035
Cu 324.754	0.5200b	ppb	0.1740	33.5	172.284
Fe 271.441	11978.4b	ppb	192.923	1.6	17413.1
K 766.491	3786.12b	ppb	55.3720	1.5	103152
Mg 279.078	4306.86b	ppb	66.8103	1.6	7835.91
Mn 257.610	324.430b	ppb	5.2987	1.6	67136.9
Mo 202.032	6.0342b	ppb	0.3914	6.5	57.8060
Na 330.237	279879xb	ppb	3866.90	1.4	11025.4
Ni 231.604	10.2770b	ppb	1.3453	13.1	16.4073
Pb 220.353	23.0102b	ppb	3.8057	16.5	63.1205
Sb 206.834	-2.0524b	ppb	3.3951	165.4	-2.2156
Se 196.026	3.5742b	ppb	2.9819	83.4	11.0820
Sn 189.925	-1.6994b	ppb	1.4600	85.9	-9.0933
Sr 216.596	581.407b	ppb	8.4917	1.5	4981.93
Ti 334.941	7.6016b	ppb	0.0661	0.9	1627.87
Tl 190.794	-8.0565b	ppb	2.3804	29.5	-17.9186
V 292.401	5.0818b	ppb	0.1584	3.1	107.642
Zn 206.200	32.9351b	ppb	2.8324	8.6	33.5009

680-89402-g-9-a (Samp) 4/25/2013, 4:52:14 AM Rack 3, Tube 22
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0331u	-0.3123u	-0.2306u
Al 308.215	579.435	575.505	571.974
As 188.980	3.4164	-5.5814u	-0.2906u
B 249.678	16.0266	15.9419	16.2443
Ba 389.178	58.6562	58.9085	58.6496
Be 313.042	0.1544	0.1514	0.1492
Ca 370.602	31976	32069	32041
Cd 226.502	0.1950	-0.4047u	0.0023
Co 228.615	0.8039	0.3004	-0.4367u
Cr 267.716	0.6826	0.8699	0.5862
Cu 324.754	0.7731	0.0404	0.5681
Fe 271.441	1133.95	1124.87	1129.11
K 766.491	703.376	700.836	701.247
Mg 279.078	991.538	997.161	995.935
Mn 257.610	165.809	166.029	165.830
Mo 202.032	22.9803	22.3777	23.2203
Na 330.237	65570.3	65308.9	65455.0
Ni 231.604	1.7475	2.6089	2.4643
Pb 220.353	3.1905	-0.0595u	-1.2169u
Sb 206.834	-3.9094u	-2.1538u	-0.3152u
Se 196.026	6.7180	3.6483	8.7610
Sn 189.925	1.3324	-1.6489u	-3.4778u
Sr 216.596	148.823	149.512	149.690
Ti 334.941	7.8166	7.7211	7.8787
Tl 190.794	-1.3938u	-6.0720u	-6.5582u
V 292.401	0.1406u	0.1096u	0.2571
Zn 206.200	2.0698	2.5383	1.7160

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1920	ppb	0.1435	74.8	-46.9610
Al 308.215	575.638	ppb	3.7322	0.6	1083.31
As 188.980	-0.8185	ppb	4.5221	552.5	-10.8251
B 249.678	16.0710	ppb	0.1560	1.0	650.869
Ba 389.178	58.7381	ppb	0.1476	0.3	1042.78
Be 313.042	0.1517	ppb	0.0026	1.7	-83.0135
Ca 370.602	32029	ppb	47.86	0.1	75689
Cd 226.502	-0.0692	ppb	0.3061	442.7	36.0164
Co 228.615	0.2225	ppb	0.6239	280.4	-5.9122
Cr 267.716	0.7129	ppb	0.1442	20.2	-7.1531
Cu 324.754	0.4605	ppb	0.3780	82.1	166.996
Fe 271.441	1129.31	ppb	4.5432	0.4	1667.10
K 766.491	701.819	ppb	1.3636	0.2	19277.7
Mg 279.078	994.878	ppb	2.9565	0.3	1834.05
Mn 257.610	165.889	ppb	0.1216	0.1	34334.7
Mo 202.032	22.8595	ppb	0.4341	1.9	163.195
Na 330.237	65444.7	ppb	131.004	0.2	2623.24
Ni 231.604	2.2735	ppb	0.4613	20.3	-2.2411
Pb 220.353	0.6380	ppb	2.2850	358.1	34.1881
Sb 206.834	-2.1261	ppb	1.7973	84.5	-2.7957
Se 196.026	6.3758	ppb	2.5735	40.4	12.2038
Sn 189.925	-1.2648	ppb	2.4280	192.0	-8.9010
Sr 216.596	149.342	ppb	0.4582	0.3	1294.63
Ti 334.941	7.8055	ppb	0.0794	1.0	1671.67
Tl 190.794	-4.6747	ppb	2.8517	61.0	-14.4900
V 292.401	0.1691	ppb	0.0778	46.0	-6.9748
Zn 206.200	2.1080	ppb	0.4125	19.6	1.6709

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89480-a-1-a (Samp) 4/25/2013, 4:57:50 AM Rack 3, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2872u	-0.0060u	-0.6134u
Al 308.215	15.4772	13.2463	16.5470
As 188.980	10.0972	4.6347	8.6246
B 249.678	-7.6750u	-7.6827u	-8.6759u
Ba 389.178	24.5185	23.4771	23.4007
Be 313.042	0.0028	-0.0021	0.0027
Ca 370.602	64934	64741	63822
Cd 226.502	-0.0087	-0.0557u	-0.0810u
Co 228.615	-0.7635u	-0.0770u	0.4885
Cr 267.716	0.2381	0.2558	0.0796
Cu 324.754	3.6570	3.5566	3.2690
Fe 271.441	82.9664	74.5565	75.9206
K 766.491	1508.09	1498.26	1477.26
Mg 279.078	15202.3	15099.4	14902.7
Mn 257.610	863.239	859.915	848.094
Mo 202.032	-0.0190u	0.5913	0.0735
Na 330.237	17101.7	17445.2	16883.5
Ni 231.604	2.3817	1.2396	0.9601
Pb 220.353	-1.2218u	1.2114	1.2428
Sb 206.834	-7.3160u	-3.8828u	-1.5702u
Se 196.026	-4.0917u	4.6516	4.8864
Sn 189.925	-1.9993u	3.6399	-6.2561u
Sr 216.596	187.446	187.388	185.416
Ti 334.941	0.0332	-0.0596	-0.0006
Tl 190.794	-5.5564u	-4.6406u	-5.0015u
V 292.401	0.6337	0.5768	0.3097
Zn 206.200	13.0508	11.1095	9.7131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3022	ppb	0.3040	100.6	-53.0153
Al 308.215	15.0902	ppb	1.6841	11.2	-3.4985
As 188.980	7.7855	ppb	2.8263	36.3	-7.2512
B 249.678	-8.0112	ppb	0.5757	7.2	393.898
Ba 389.178	23.7988	ppb	0.6244	2.6	433.324
Be 313.042	0.0011	ppb	0.0028	245.0	-299.570
Ca 370.602	64499	ppb	594.6	0.9	152564
Cd 226.502	-0.0485	ppb	0.0367	75.8	33.6975
Co 228.615	-0.1173	ppb	0.6270	534.4	-8.4106
Cr 267.716	0.1912	ppb	0.0970	50.7	-20.4312
Cu 324.754	3.4942	ppb	0.2014	5.8	307.508
Fe 271.441	77.8145	ppb	4.5135	5.8	141.139
K 766.491	1494.54	ppb	15.7460	1.1	40834.8
Mg 279.078	15068.2	ppb	152.214	1.0	27331.8
Mn 257.610	857.083	ppb	7.9598	0.9	177223
Mo 202.032	0.2153	ppb	0.3289	152.8	22.0434
Na 330.237	17143.5	ppb	283.147	1.7	730.283
Ni 231.604	1.5271	ppb	0.7532	49.3	-3.9812
Pb 220.353	0.4108	ppb	1.4139	344.2	34.0442
Sb 206.834	-4.2563	ppb	2.8910	67.9	-4.4763
Se 196.026	1.8155	ppb	5.1171	281.9	10.3755
Sn 189.925	-1.5385	ppb	4.9641	322.7	-9.0765
Sr 216.596	186.750	ppb	1.1557	0.6	1615.86
Ti 334.941	-0.0090	ppb	0.0470	522.2	22.2688
Tl 190.794	-5.0662	ppb	0.4613	9.1	-15.5954
V 292.401	0.5067	ppb	0.1730	34.1	4.8490
Zn 206.200	11.2911	ppb	1.6763	14.8	13.2613

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mb 680-274127/1-a (Samp) 4/25/2013, 5:03:26 AM Rack 3, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2306u	-0.1568u	-0.1388u
Al 308.215	12.0498	3.6007	1.2714
As 188.980	0.1331	7.8230	1.8238
B 249.678	-32.3972u	-33.1542u	-33.1942u
Ba 389.178	0.1904	0.1129	0.8232
Be 313.042	-0.0153u	-0.0084u	-0.0127u
Ca 370.602	25.59	34.11	27.81
Cd 226.502	-0.0401u	-0.0803u	-0.4226u
Co 228.615	0.1675	-0.4824u	0.0433
Cr 267.716	0.3129	0.2189	-0.2963u
Cu 324.754	0.2941	-0.1388u	-0.1127u
Fe 271.441	0.8693	6.0800	2.1894
K 766.491	3.3426	3.6174	4.0147
Mg 279.078	7.6005	7.5147	7.0320
Mn 257.610	0.1849	0.2139	0.1768
Mo 202.032	-0.4251u	-1.4241u	-0.9471u
Na 330.237	185.043	62.1782	66.4365
Ni 231.604	0.9833	0.7006	0.9452
Pb 220.353	1.5637	1.6318	1.3948
Sb 206.834	0.8846	-5.6617u	0.5433
Se 196.026	3.1441	-6.1438u	3.9717
Sn 189.925	0.6197	1.4406	0.9033
Sr 216.596	0.5377	0.3451	0.0722
Ti 334.941	-0.0334u	-0.1666u	-0.1298u
Tl 190.794	-7.0155u	-1.4213u	-5.6708u
V 292.401	0.0717	0.0071	0.2134
Zn 206.200	-0.8869u	-0.6995u	-1.4110u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1754	ppb	0.0487	27.7	-40.4985
Al 308.215	5.6407	ppb	5.6714	100.5	-21.8572
As 188.980	3.2600	ppb	4.0411	124.0	-9.1328
B 249.678	-32.9152	ppb	0.4490	1.4	127.064
Ba 389.178	0.3755	ppb	0.3897	103.8	-24.9078
Be 313.042	-0.0121	ppb	0.0035	28.7	-336.241
Ca 370.602	29.17	ppb	4.417	15.1	65.98
Cd 226.502	-0.1810	ppb	0.2102	116.1	29.3526
Co 228.615	-0.0906	ppb	0.3450	381.0	-8.1529
Cr 267.716	0.0785	ppb	0.3280	417.6	-25.8305
Cu 324.754	0.0142	ppb	0.2428	1708.4	145.281
Fe 271.441	3.0462	ppb	2.7089	88.9	32.5480
K 766.491	3.6582	ppb	0.3379	9.2	291.850
Mg 279.078	7.3824	ppb	0.3065	4.2	46.4917
Mn 257.610	0.1919	ppb	0.0195	10.2	89.7050
Mo 202.032	-0.9321	ppb	0.4997	53.6	14.8927
Na 330.237	104.552	ppb	69.7392	66.7	62.5290
Ni 231.604	0.8764	ppb	0.1534	17.5	-5.4827
Pb 220.353	1.5301	ppb	0.1220	8.0	35.3485
Sb 206.834	-1.4113	ppb	3.6850	261.1	-1.8939
Se 196.026	0.3240	ppb	5.6165	1733.6	9.5446
Sn 189.925	0.9879	ppb	0.4169	42.2	-7.4959
Sr 216.596	0.3184	ppb	0.2339	73.5	24.5032
Ti 334.941	-0.1100	ppb	0.0688	62.6	-51.6291
Tl 190.794	-4.7025	ppb	2.9201	62.1	-14.2564
V 292.401	0.0974	ppb	0.1055	108.3	-4.4131
Zn 206.200	-0.9992	ppb	0.3688	36.8	515.7666

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Cont Calib Verif (CCV) 4/25/2013, 5:09:03 AM Rack 3, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	512.522	509.805	505.991
Al 308.215	5126.76	5113.13	5107.47
As 188.980	529.423	516.573	518.984
B 249.678	507.341	509.632	508.665
Ba 389.178	5197.67	5184.60	5171.68
Be 313.042	543.947	544.144	540.496
Ca 370.602	5120	5103	5099
Cd 226.502	540.112	537.493	535.937
Co 228.615	539.537	536.376	534.074
Cr 267.716	5361.42	5348.83	5342.68
Cu 324.754	5439.07	5255.27	5330.87
Fe 271.441	5161.95	5127.46	5126.90
K 766.491	10296.5	10256.9	10205.9
Mg 279.078	5255.15	5246.63	5219.36
Mn 257.610	5407.28	5387.98	5360.04
Mo 202.032	507.762	506.943	506.647
Na 330.237	7655.60	7532.57	7743.49
Ni 231.604	2712.82	2705.31	2697.27
Pb 220.353	521.443	510.644	511.800
Sb 206.834	992.121	986.879	985.295
Se 196.026	5253.66	5241.86	5214.58
Sn 189.925	5200.90	5183.95	5194.84
Sr 216.596	2598.35	2585.60	2585.32
Ti 334.941	510.518	508.626	507.764
Tl 190.794	5182.48	5139.88	5134.42
V 292.401	5129.84	5114.99	5102.20
Zn 206.200	2708.77	2709.15	2712.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	509.439	ppb	3.2812	0.6	33250.8	101.88788
Al 308.215	5115.79	ppb	9.9205	0.2	9868.65	102.31572
As 188.980	521.660	ppb	6.8302	1.3	206.320	104.33195
B 249.678	508.546	ppb	1.1500	0.2	5924.65	20.34184Q
Ba 389.178	5184.65	ppb	12.9947	0.3	94542.7	103.69305
Be 313.042	542.862	ppb	2.0518	0.4	837426	108.57245
Ca 370.602	5107	ppb	11.24	0.2	11980	102.14517
Cd 226.502	537.848	ppb	2.1100	0.4	16409.1	107.56954
Co 228.615	536.662	ppb	2.7431	0.5	4634.26	107.33247
Cr 267.716	5350.98	ppb	9.5518	0.2	147423	107.01952
Cu 324.754	5341.73	ppb	92.3791	1.7	249052	106.83467
Fe 271.441	5138.77	ppb	20.0781	0.4	7597.84	102.77544
K 766.491	10253.1	ppb	45.3986	0.4	279016	102.53116
Mg 279.078	5240.38	ppb	18.6956	0.4	9456.43	104.80759
Mn 257.610	5385.10	ppb	23.7487	0.4	1112778	107.70197
Mo 202.032	507.118	ppb	0.5774	0.1	3174.29	101.42354
Na 330.237	7643.89	ppb	105.951	1.4	338.484	101.91847
Ni 231.604	2705.13	ppb	7.7745	0.3	6228.65	108.20526
Pb 220.353	514.629	ppb	5.9293	1.2	698.503	102.92587
Sb 206.834	988.098	ppb	3.5725	0.4	937.967	98.80984
Se 196.026	5236.70	ppb	20.0445	0.4	2275.65	104.73391
Sn 189.925	5193.23	ppb	8.5890	0.2	3293.13	103.86459
Sr 216.596	2589.76	ppb	7.4486	0.3	22005.9	103.59023
Ti 334.941	508.970	ppb	1.4089	0.3	110806	101.79391
Tl 190.794	5152.26	ppb	26.3111	0.5	4232.39	103.04514
V 292.401	5115.67	ppb	13.8327	0.3	117542	102.31350
Zn 206.200	2709.98	ppb	1.7762	0.1	2527.57	108.39908

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Cont Calib Blank (CCB) 4/25/2013, 5:14:40 AM Rack 3, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0865u	-0.0022u	0.1332
Al 308.215	-0.2795u	-0.5823u	-1.3047u
As 188.980	3.6351	-2.4257u	0.1751
B 249.678	-24.7761u	-24.6161u	-26.7217u
Ba 389.178	0.0707	-0.0612u	0.6271
Be 313.042	-0.0108u	-0.0171u	-0.0103u
Ca 370.602	3.802	4.916	2.710
Cd 226.502	0.0586	0.0961	-0.2623u
Co 228.615	-0.5221u	-0.1034u	0.3327
Cr 267.716	-0.0201u	0.0248	0.0152
Cu 324.754	-0.1238u	0.2762	-0.2286u
Fe 271.441	3.5513	4.3042	-5.1489u
K 766.491	-1.9283u	-0.3534u	-0.9984u
Mg 279.078	4.3434	0.4110	6.3101
Mn 257.610	-0.0586u	-0.0695u	-0.0535u
Mo 202.032	-1.0961u	-0.6014u	-0.7406u
Na 330.237	-97.0556u	-55.3271u	-91.2827u
Ni 231.604	1.3591	1.6494	1.3924
Pb 220.353	2.7614	1.7913	1.9987
Sb 206.834	-2.2856u	3.0989	0.9630
Se 196.026	5.7522	-4.0057u	3.4555
Sn 189.925	1.8411	0.7589	0.8123
Sr 216.596	0.0852	-0.1857u	-0.6150u
Ti 334.941	0.0128	-0.0453u	-0.1391u
Tl 190.794	-6.5881u	-7.4612u	-2.1033u
V 292.401	0.1399	0.2378	0.1818
Zn 206.200	-0.3853u	-1.2787u	0.9766

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0148	ppb	0.1108	746.5	-28.0354	0.01485
Al 308.215	-0.7222	ppb	0.5267	72.9	-34.1648	-0.72217
As 188.980	0.4615	ppb	3.0405	658.9	-10.2962	0.46148
B 249.678	-25.3713	ppb	1.1722	4.6	207.920	-25.37131
Ba 389.178	0.2122	ppb	0.3653	172.1	-27.8962	0.21222
Be 313.042	-0.0128	ppb	0.0038	29.7	-337.279	-0.01275
Ca 370.602	3.809	ppb	1.103	29.0	6.208	3.80929
Cd 226.502	-0.0359	ppb	0.1970	548.9	33.7550	-0.03589
Co 228.615	-0.0976	ppb	0.4274	438.0	-8.2236	-0.09759
Cr 267.716	0.0066	ppb	0.0237	356.3	-27.8150	0.00664
Cu 324.754	-0.0254	ppb	0.2664	1049.8	143.444	-0.02538
Fe 271.441	0.9022	ppb	5.2539	582.4	29.4008	0.90217
K 766.491	-1.0934	ppb	0.7917	72.4	162.635	-1.09335
Mg 279.078	3.6882	ppb	3.0037	81.4	39.8006	3.68819
Mn 257.610	-0.0606	ppb	0.0081	13.5	37.5136	-0.06055
Mo 202.032	-0.8127	ppb	0.2551	31.4	15.6373	-0.81272
Na 330.237	-81.2217	ppb	22.6105	27.8	55.2522	-81.22173
Ni 231.604	1.4669	ppb	0.1589	10.8	-4.1214	1.46694
Pb 220.353	2.1838	ppb	0.5108	23.4	36.1931	2.18378
Sb 206.834	0.5921	ppb	2.7113	457.9	-0.0865	0.59210
Se 196.026	1.7340	ppb	5.1016	294.2	10.1544	1.73404
Sn 189.925	1.1374	ppb	0.6100	53.6	-7.4008	1.13743
Sr 216.596	-0.2385	ppb	0.3531	148.0	19.7384	-0.23849
Ti 334.941	-0.0572	ppb	0.0766	133.9	-40.1604	-0.05722
Tl 190.794	-5.3842	ppb	2.8747	53.4	-14.8182	-5.38421
V 292.401	0.1865	ppb	0.0491	26.3	-2.4364	0.18650
Zn 206.200	-0.2291	ppb	1.1357	495.7	2.4864	-0.22913

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ics 680-274127/2-a (Samp) 4/25/2013, 5:20:16 AM Rack 3, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	205.129	206.683	204.914
Al 308.215	2214.93	2195.54	2223.96
As 188.980	224.215	226.043	220.368
B 249.678	395.006	393.811	396.952
Ba 389.178	209.750	208.450	209.124
Be 313.042	225.936	223.708	224.596
Ca 370.602	20865	20578	20676
Cd 226.502	225.605	223.441	223.890
Co 228.615	221.746	220.362	220.090
Cr 267.716	220.347	217.751	219.803
Cu 324.754	218.984	220.496	217.473
Fe 271.441	21093.4	20876.7	21027.4
K 766.491	21762.3	21610.3	21698.4
Mg 279.078	21708.3	21476.0	21544.4
Mn 257.610	2292.99	2269.45	2273.75
Mo 202.032	206.606	205.006	205.526
Na 330.237	20063.8	19890.1	20121.2
Ni 231.604	223.825	219.541	220.450
Pb 220.353	209.235	219.019	209.890
Sb 206.834	199.915	196.492	198.096
Se 196.026	218.357	198.689	213.956
Sn 189.925	203.829	195.814	201.470
Sr 216.596	214.773	212.706	213.422
Ti 334.941	207.778	205.138	206.861
Tl 190.794	42.4398	41.2519	43.6793
V 292.401	214.407	211.629	212.549
Zn 206.200	225.550	219.807	220.187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	205.575	ppb	0.9652	0.5	13420.6
Al 308.215	2211.48	ppb	14.5166	0.7	4258.89
As 188.980	223.542	ppb	2.8968	1.3	82.5441
B 249.678	395.256	ppb	1.5856	0.4	4693.54
Ba 389.178	209.108	ppb	0.6504	0.3	3850.61
Be 313.042	224.746	ppb	1.1213	0.5	346570
Ca 370.602	20707	ppb	145.6	0.7	47776
Cd 226.502	224.312	ppb	1.1417	0.5	6922.93
Co 228.615	220.733	ppb	0.8882	0.4	1897.53
Cr 267.716	219.300	ppb	1.3691	0.6	6022.25
Cu 324.754	218.985	ppb	1.5115	0.7	10359.1
Fe 271.441	20999.2	ppb	111.058	0.5	30534.9
K 766.491	21690.3	ppb	76.3122	0.4	590040
Mg 279.078	21576.2	ppb	119.366	0.6	39110.6
Mn 257.610	2278.73	ppb	12.5364	0.6	471053
Mo 202.032	205.713	ppb	0.8162	0.4	1302.16
Na 330.237	20025.0	ppb	120.315	0.6	836.000
Ni 231.604	221.272	ppb	2.2568	1.0	502.973
Pb 220.353	212.715	ppb	5.4693	2.6	308.308
Sb 206.834	198.168	ppb	1.7130	0.9	179.885
Se 196.026	210.334	ppb	10.3225	4.9	100.982
Sn 189.925	200.371	ppb	4.1185	2.1	119.260
Sr 216.596	213.634	ppb	1.0499	0.5	1838.95
Ti 334.941	206.592	ppb	1.3401	0.6	45029.1
Tl 190.794	42.4570	ppb	1.2138	2.9	21.0841
V 292.401	212.862	ppb	1.4151	0.7	4856.77
Zn 206.200	221.848	ppb	3.2115	1.4	209.795

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ics 680-274127/3-a (Samp) 4/25/2013, 5:25:53 AM Rack 3, Tube 28
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	55.1343	55.1195	55.7026
Al 308.215	5472.31	5479.11	5498.49
As 188.980	113.843	106.583	108.427
B 249.678	188.396	188.801	188.726
Ba 389.178	106.724	108.242	106.778
Be 313.042	56.2436	56.2643	56.2349
Ca 370.602	5129	5128	5124
Cd 226.502	57.0028	56.8139	56.7665
Co 228.615	55.8787	55.2172	55.1450
Cr 267.716	110.791	110.907	111.192
Cu 324.754	108.765	108.504	108.733
Fe 271.441	5269.06	5253.79	5254.46
K 766.491	5387.47	5373.33	5384.57
Mg 279.078	5401.72	5382.01	5374.91
Mn 257.610	567.852	566.188	566.304
Mo 202.032	103.233	103.108	102.830
Na 330.237	5263.81	5386.98	5378.22
Ni 231.604	111.038	110.033	109.622
Pb 220.353	56.5404	51.7718	54.6904
Sb 206.834	57.1862	43.5784	54.0533
Se 196.026	103.905	110.030	112.992
Sn 189.925	210.305	210.019	212.923
Sr 216.596	106.496	107.755	107.935
Ti 334.941	103.358	103.363	103.491
Tl 190.794	39.2208	38.4908	38.6599
V 292.401	106.798	105.959	106.141
Zn 206.200	114.445	113.231	113.420

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.3188	ppb	0.3325	0.6	3588.38
Al 308.215	5483.30	ppb	13.5829	0.2	10592.6
As 188.980	109.618	ppb	3.7733	3.4	35.0981
B 249.678	188.641	ppb	0.2154	0.1	2495.99
Ba 389.178	107.248	ppb	0.8612	0.8	1941.55
Be 313.042	56.2476	ppb	0.0151	0.0	86490.5
Ca 370.602	5127	ppb	2.603	0.1	11833
Cd 226.502	56.8611	ppb	0.1250	0.2	1780.68
Co 228.615	55.4136	ppb	0.4044	0.7	470.593
Cr 267.716	110.963	ppb	0.2068	0.2	3031.46
Cu 324.754	108.667	ppb	0.1420	0.1	5211.98
Fe 271.441	5259.10	ppb	8.6331	0.2	7668.95
K 766.491	5381.79	ppb	7.4658	0.1	146545
Mg 279.078	5386.22	ppb	13.8910	0.3	9787.14
Mn 257.610	566.781	ppb	0.9293	0.2	117201
Mo 202.032	103.057	ppb	0.2065	0.2	662.911
Na 330.237	5343.00	ppb	68.7216	1.3	265.381
Ni 231.604	110.231	ppb	0.7286	0.7	246.706
Pb 220.353	54.3342	ppb	2.4042	4.4	103.456
Sb 206.834	51.6059	ppb	7.1264	13.8	46.2552
Se 196.026	108.976	ppb	4.6344	4.3	56.6898
Sn 189.925	211.082	ppb	1.6007	0.8	126.061
Sr 216.596	107.395	ppb	0.7843	0.7	933.151
Ti 334.941	103.404	ppb	0.0751	0.1	22505.2
Tl 190.794	38.7905	ppb	0.3821	1.0	20.7209
V 292.401	106.299	ppb	0.4413	0.4	2421.73
Zn 206.200	113.699	ppb	0.6533	0.6	108.840

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680-89419-g-1-a (Samp) 4/25/2013, 5:31:29 AM Rack 3, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0086u	-0.2495u	-0.1213u
Al 308.215	19.6954	14.2906	21.0075
As 188.980	5.1391	0.5162	5.0196
B 249.678	38.0704	36.8237	36.6387
Ba 389.178	76.7262	76.1750	76.4314
Be 313.042	-0.0350u	-0.0192	-0.0152
Ca 370.602	138949	138385	138244
Cd 226.502	-0.2433u	-0.2643u	-0.3398u
Co 228.615	1.7797	1.6053	1.6907
Cr 267.716	0.4924	0.9008	0.3147
Cu 324.754	3.4142	2.9099	3.9455
Fe 271.441	975.978	980.384	971.951
K 766.491	1944.60	1943.86	1947.05
Mg 279.078	15401.9	15369.9	15351.2
Mn 257.610	1101.71	1100.23	1098.91
Mo 202.032	1.3589	0.7576	1.1676
Na 330.237	12992.2	12641.9	12894.9
Ni 231.604	3.9352	5.1966	5.8776
Pb 220.353	1.7249	2.2827	-2.4445u
Sb 206.834	-6.5388u	-5.9027u	-1.8645u
Se 196.026	-9.4823u	1.0400	5.3856
Sn 189.925	-2.6434u	-0.4745u	-0.3994u
Sr 216.596	316.640	315.433	315.130
Ti 334.941	0.2811	0.3150	0.2148
Tl 190.794	-3.9103u	-4.4777u	-3.9523u
V 292.401	-0.5048u	-0.0113u	0.3865
Zn 206.200	10.1646	6.2509	6.6228

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1265	ppb	0.1205	95.3	-46.0168
Al 308.215	18.3312	ppb	3.5602	19.4	2.8177
As 188.980	3.5583	ppb	2.6352	74.1	-9.0027
B 249.678	37.1776	ppb	0.7787	2.1	877.245
Ba 389.178	76.4442	ppb	0.2758	0.4	1395.01
Be 313.042	-0.0231	ppb	0.0104	45.1	-315.295
Ca 370.602	138526	ppb	373.0	0.3	327604
Cd 226.502	-0.2825	ppb	0.0507	18.0	29.4256
Co 228.615	1.6919	ppb	0.0872	5.2	7.1739
Cr 267.716	0.5693	ppb	0.3005	52.8	-9.3202
Cu 324.754	3.4232	ppb	0.5179	15.1	304.474
Fe 271.441	976.104	ppb	4.2181	0.4	1444.91
K 766.491	1945.17	ppb	1.6703	0.1	53089.3
Mg 279.078	15374.3	ppb	25.6450	0.2	27883.6
Mn 257.610	1100.28	ppb	1.4053	0.1	227479
Mo 202.032	1.0947	ppb	0.3072	28.1	27.4888
Na 330.237	12843.0	ppb	180.798	1.4	561.542
Ni 231.604	5.0031	ppb	0.9856	19.7	4.0484
Pb 220.353	0.5210	ppb	2.5833	495.8	34.2264
Sb 206.834	-4.7686	ppb	2.5351	53.2	-4.9293
Se 196.026	-1.0189	ppb	7.6448	750.3	9.2067
Sn 189.925	-1.1724	ppb	1.2745	108.7	-8.8205
Sr 216.596	315.734	ppb	0.7988	0.3	2719.54
Ti 334.941	0.2703	ppb	0.0510	18.9	84.4759
Tl 190.794	-4.1134	ppb	0.3161	7.7	-15.1423
V 292.401	-0.0432	ppb	0.4465	1033.4	-7.9201
Zn 206.200	7.6794	ppb	2.1603	28.1	0.8833

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680-89506-i-1-a (Samp) 4/25/2013, 5:37:06 AM Rack 3, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1342u	-0.1914u	-0.1803u
Al 308.215	217.148	226.442	216.910
As 188.980	6.6160	5.0734	3.7005
B 249.678	-8.2819u	-7.1743u	-8.0089u
Ba 389.178	13.8367	14.6361	13.7306
Be 313.042	0.0051	-0.0052u	-0.0015u
Ca 370.602	4212	4223	4230
Cd 226.502	0.2305	0.2994	0.2975
Co 228.615	6.1387	7.2229	6.6188
Cr 267.716	2.1771	2.0721	1.5479
Cu 324.754	6.7429	7.0248	6.5061
Fe 271.441	271.656	272.205	274.931
K 766.491	1464.13	1464.51	1470.70
Mg 279.078	794.019	800.986	795.799
Mn 257.610	55.4098	55.4398	55.6630
Mo 202.032	-1.1332u	-0.6931u	-0.8377u
Na 330.237	2489.45	2344.78	2432.45
Ni 231.604	1.5129	2.0413	2.9316
Pb 220.353	1.3510	1.8955	1.4892
Sb 206.834	0.5405	-3.9005u	-1.4940u
Se 196.026	1.1947	-1.7767u	-1.5065u
Sn 189.925	-1.1582u	-0.1247u	1.1746
Sr 216.596	28.8662	29.5036	28.5299
Ti 334.941	15.6164	14.8343	16.8140
Tl 190.794	-9.1759u	-6.5910u	0.3281
V 292.401	2.0500	1.7159	1.4127
Zn 206.200	407.106	409.263	413.101

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1687	ppb	0.0303	18.0	-41.0179
Al 308.215	220.167	ppb	5.4364	2.5	393.680
As 188.980	5.1300	ppb	1.4586	28.4	-8.3536
B 249.678	-7.8217	ppb	0.5770	7.4	395.721
Ba 389.178	14.0678	ppb	0.4950	3.5	226.712
Be 313.042	-0.0005	ppb	0.0053	965.7	-317.495
Ca 370.602	4222	ppb	8.915	0.2	9970
Cd 226.502	0.2758	ppb	0.0393	14.2	44.0813
Co 228.615	6.6601	ppb	0.5433	8.2	50.4505
Cr 267.716	1.9324	ppb	0.3371	17.4	25.4585
Cu 324.754	6.7579	ppb	0.2597	3.8	459.616
Fe 271.441	272.931	ppb	1.7536	0.6	425.227
K 766.491	1466.45	ppb	3.6870	0.3	40070.9
Mg 279.078	796.935	ppb	3.6199	0.5	1476.76
Mn 257.610	55.5042	ppb	0.1384	0.2	11523.3
Mo 202.032	-0.8880	ppb	0.2243	25.3	15.1534
Na 330.237	2422.23	ppb	72.8743	3.0	150.863
Ni 231.604	2.1619	ppb	0.7170	33.2	-2.5138
Pb 220.353	1.5786	ppb	0.2830	17.9	35.4090
Sb 206.834	-1.6180	ppb	2.2231	137.4	-2.0590
Se 196.026	-0.6962	ppb	1.6431	236.0	9.1166
Sn 189.925	-0.0361	ppb	1.1689	3238.9	-8.1448
Sr 216.596	28.9666	ppb	0.4946	1.7	268.648
Ti 334.941	15.7549	ppb	0.9971	6.3	3405.22
Tl 190.794	-5.1463	ppb	4.9140	95.5	-14.6965
V 292.401	1.7262	ppb	0.3188	18.5	33.2412
Zn 206.200	409.824	ppb	3.0366	0.7	386.007

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680-89470-b-1-f (Samp) 4/25/2013, 5:42:43 AM Rack 3, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5051	-0.0042u	-0.0044u
Al 308.215	770.543	771.131	776.343
As 188.980	4.7260	0.0230u	-0.9519u
B 249.678	36.8493	36.6229	36.1546
Ba 389.178	13.3784	14.9244	14.5753
Be 313.042	-0.0185u	-0.0225u	-0.0133u
Ca 370.602	63920	63773	63701
Cd 226.502	0.1362	0.0059	-0.0665
Co 228.615	1.0678	-0.1747u	0.1706u
Cr 267.716	2.1100	2.2693	2.3020
Cu 324.754	26.1825	25.6959	25.7398
Fe 271.441	1332.55	1328.21	1327.71
K 766.491	2619.76	2623.45	2630.30
Mg 279.078	28625.2	28590.1	28520.4
Mn 257.610	65.4342	65.3599	65.2474
Mo 202.032	193.884	193.592	194.654
Na 330.237	21383.6	21519.7	21642.5
Ni 231.604	79.1662	78.4308	78.4384
Pb 220.353	-0.9171u	3.8491	0.9269
Sb 206.834	3.2302	0.7110u	-5.0435u
Se 196.026	0.9793	-3.6423u	-6.3786u
Sn 189.925	-3.8063u	1.0764	-2.8211u
Sr 216.596	87.1851	87.8439	86.9999
Ti 334.941	-0.3349	-0.1963	-0.2614
Tl 190.794	-4.4315u	-5.1917u	-5.6723u
V 292.401	-0.0680u	0.1807u	0.5890u
Zn 206.200	5.6529	7.9416	7.5906

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1655	ppb	0.2941	177.7	-22.0156
Al 308.215	772.673	ppb	3.1926	0.4	1472.61
As 188.980	1.2657	ppb	3.0361	239.9	-9.9879
B 249.678	36.5423	ppb	0.3543	1.0	870.059
Ba 389.178	14.2927	ppb	0.8109	5.7	289.975
Be 313.042	-0.0181	ppb	0.0046	25.4	-354.538
Ca 370.602	63798	ppb	111.4	0.2	150814
Cd 226.502	0.0252	ppb	0.1027	407.7	39.9867
Co 228.615	0.3546	ppb	0.6413	180.9	-9.2072
Cr 267.716	2.2271	ppb	0.1027	4.6	33.9396
Cu 324.754	25.8727	ppb	0.2692	1.0	1355.73
Fe 271.441	1329.49	ppb	2.6624	0.2	1957.76
K 766.491	2624.50	ppb	5.3479	0.2	71563.1
Mg 279.078	28578.6	ppb	53.3467	0.2	51829.9
Mn 257.610	65.3472	ppb	0.0941	0.1	13705.0
Mo 202.032	194.043	ppb	0.5488	0.3	1230.59
Na 330.237	21515.3	ppb	129.506	0.6	901.374
Ni 231.604	78.6785	ppb	0.4224	0.5	173.896
Pb 220.353	1.2863	ppb	2.4034	186.8	34.8331
Sb 206.834	-0.3674	ppb	4.2410	1154.3	-3.2954
Se 196.026	-3.0139	ppb	3.7190	123.4	8.1219
Sn 189.925	-1.8503	ppb	2.5821	139.5	-9.2739
Sr 216.596	87.3430	ppb	0.4436	0.5	763.917
Ti 334.941	-0.2642	ppb	0.0694	26.3	14.0749
Tl 190.794	-5.0985	ppb	0.6256	12.3	-14.7890
V 292.401	0.2339	ppb	0.3317	141.8	-33.2149
Zn 206.200	7.0617	ppb	1.2326	17.5	9.3018

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89546-a-1-a (Samp) 4/25/2013, 5:48:19 AM Rack 3, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2921u	-0.0526u	-0.1124u
Al 308.215	26.5537	20.4567	16.3728
As 188.980	7.9577	6.2358	4.6663
B 249.678	232.068	230.001	219.790
Ba 389.178	19.0521	19.6682	19.2322
Be 313.042	-0.0198u	-0.0091u	-0.0060u
Ca 370.602	55599	55242	52952
Cd 226.502	0.0075u	-0.3091u	-0.3353u
Co 228.615	-1.3257u	0.5096	-0.4548u
Cr 267.716	0.7056	0.7395	0.6074
Cu 324.754	4.4265	4.3618	3.7178
Fe 271.441	40.1425	39.8671	43.9991
K 766.491	19167.7	19096.9	18377.4
Mg 279.078	40522.9	40269.4	38554.9
Mn 257.610	7.3073	7.1859	6.8130
Mo 202.032	-0.5570u	-0.9258u	-0.9483u
Na 330.237	265683x	263925x	254302x
Ni 231.604	3.8349	4.2225	3.2211
Pb 220.353	2.4815	-2.2058u	-1.5411u
Sb 206.834	-6.3901u	2.9544	-0.8772u
Se 196.026	0.6121	4.9542	-0.5026u
Sn 189.925	-4.0120u	2.1234	-0.3913u
Sr 216.596	609.288	607.453	579.933
Ti 334.941	-0.3147	-0.4348	-0.5330
Tl 190.794	-7.3390u	-6.4838u	-4.2443u
V 292.401	0.7205	0.9503	0.9135
Zn 206.200	29.4128	30.1810	25.6717

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1524b	ppb	0.1247	81.8	-63.2477
Al 308.215	21.1277b	ppb	5.1235	24.2	8.1532
As 188.980	6.2866b	ppb	1.6463	26.2	-7.8743
B 249.678	227.286b	ppb	6.5736	2.9	2915.78
Ba 389.178	19.3175b	ppb	0.3168	1.6	402.481
Be 313.042	-0.0117b	ppb	0.0072	62.1	-344.865
Ca 370.602	54597b	ppb	1436	2.6	129129
Cd 226.502	-0.2123b	ppb	0.1908	89.9	27.8244
Co 228.615	-0.4236b	ppb	0.9181	216.7	-11.0234
Cr 267.716	0.6842b	ppb	0.0686	10.0	-6.6383
Cu 324.754	4.1687b	ppb	0.3918	9.4	338.907
Fe 271.441	41.3363b	ppb	2.3102	5.6	88.1456
K 766.491	18880.7b	ppb	437.281	2.3	513634
Mg 279.078	39782.4b	ppb	1070.56	2.7	72137.2
Mn 257.610	7.1021b	ppb	0.2576	3.6	1724.26
Mo 202.032	-0.8104b	ppb	0.2197	27.1	15.6489
Na 330.237	261303xb	ppb	6126.68	2.3	10300.1
Ni 231.604	3.7595b	ppb	0.5049	13.4	1.1643
Pb 220.353	-0.4218b	ppb	2.5362	601.3	32.8262
Sb 206.834	-1.4376b	ppb	4.6974	326.7	-1.9165
Se 196.026	1.6879b	ppb	2.8831	170.8	10.1364
Sn 189.925	-0.7600b	ppb	3.0843	405.8	-8.5233
Sr 216.596	598.891b	ppb	16.4436	2.7	5121.39
Ti 334.941	-0.4275b	ppb	0.1093	25.6	4.2499
Tl 190.794	-6.0224b	ppb	1.5981	26.5	-15.3554
V 292.401	0.8614b	ppb	0.1234	14.3	11.9032
Zn 206.200	28.4218b	ppb	2.4125	8.5	20.2831

680-89586-d-1-a (Samp) 4/25/2013, 5:53:56 AM Rack 3, Tube 33
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1353	-0.4865u	0.2774
Al 308.215	2.8354	0.3826	3.3970
As 188.980	8.8331	4.2242	4.3449
B 249.678	-27.8343u	-27.2799u	-28.3514u
Ba 389.178	12.2867	12.5004	11.8388
Be 313.042	0.0017	0.0044	-0.0003
Ca 370.602	5082	5051	5052
Cd 226.502	-0.2968	-0.4756	-0.2104
Co 228.615	3.0087	2.7915	3.2517
Cr 267.716	0.5543	0.4857	0.1541
Cu 324.754	-0.1506u	-0.0474u	0.1086
Fe 271.441	7423.85	7379.00	7402.03
K 766.491	633.918	631.784	635.032
Mg 279.078	3280.58	3268.76	3269.24
Mn 257.610	650.499	645.599	647.687
Mo 202.032	-0.6677u	-1.4136u	-1.2025u
Na 330.237	4701.70	4551.96	4875.81
Ni 231.604	3.9867	5.9795	3.6330
Pb 220.353	-2.8677u	-4.2082u	-0.1196u
Sb 206.834	-0.4217u	-2.4153u	-2.2843u
Se 196.026	3.0590	2.1596	1.3949
Sn 189.925	3.1845	2.4166	3.1570
Sr 216.596	43.3203	42.6519	42.2124
Ti 334.941	-0.1515u	-0.1916u	-0.1499u
Tl 190.794	-2.9565u	0.8383u	2.5070
V 292.401	0.1576	0.1179	0.0961
Zn 206.200	13.4670	16.7907	16.2418

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0246	ppb	0.4063	1650.6	-30.7583
Al 308.215	2.2050	ppb	1.6030	72.7	-28.5167
As 188.980	5.8007	ppb	2.6268	45.3	-8.0278
B 249.678	-27.8219	ppb	0.5359	1.9	173.732
Ba 389.178	12.2086	ppb	0.3376	2.8	205.869
Be 313.042	0.0019	ppb	0.0024	123.0	-313.906
Ca 370.602	5062	ppb	17.39	0.3	11534
Cd 226.502	-0.3276	ppb	0.1353	41.3	48.0524
Co 228.615	3.0173	ppb	0.2302	7.6	18.4965
Cr 267.716	0.3980	ppb	0.2141	53.8	-14.3711
Cu 324.754	-0.0298	ppb	0.1305	438.0	145.273
Fe 271.441	7401.63	ppb	22.4270	0.3	10770.4
K 766.491	633.578	ppb	1.6505	0.3	17421.9
Mg 279.078	3272.86	ppb	6.6876	0.2	5957.29
Mn 257.610	647.928	ppb	2.4591	0.4	133962
Mo 202.032	-1.0946	ppb	0.3845	35.1	13.5602
Na 330.237	4709.83	ppb	162.077	3.4	241.239
Ni 231.604	4.5331	ppb	1.2651	27.9	3.0819
Pb 220.353	-2.3985	ppb	2.0843	86.9	30.3790
Sb 206.834	-1.7071	ppb	1.1151	65.3	-2.0053
Se 196.026	2.2045	ppb	0.8330	37.8	10.5361
Sn 189.925	2.9194	ppb	0.4357	14.9	-6.2654
Sr 216.596	42.7282	ppb	0.5579	1.3	388.066
Ti 334.941	-0.1643	ppb	0.0236	14.4	-51.6197
Tl 190.794	0.1296	ppb	2.7998	2160.3	-11.3683
V 292.401	0.1239	ppb	0.0312	25.2	-3.7909
Zn 206.200	15.4998	ppb	1.7818	441.5	1751978

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89586-d-2-a (Samp) 4/25/2013, 5:59:33 AM Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1405u	-0.3649u	-0.3743u
Al 308.215	7.0802	0.0219	-0.3943u
As 188.980	-0.7348u	-0.2719u	2.8489
B 249.678	-30.6175u	-30.4469u	-30.7699u
Ba 389.178	7.0168	4.9114	7.4378
Be 313.042	0.0297	0.0409	0.0462
Ca 370.602	6345	6392	6350
Cd 226.502	-0.0132	-0.2882u	-0.1203
Co 228.615	-0.4375u	0.7173	-0.6223u
Cr 267.716	0.0028	0.3131	0.4123
Cu 324.754	-0.0764u	0.3506	-0.3529u
Fe 271.441	1322.67	1333.61	1330.23
K 766.491	549.524	552.774	552.968
Mg 279.078	1518.02	1518.62	1522.95
Mn 257.610	222.167	223.366	223.002
Mo 202.032	-0.8641u	-0.5131u	-1.1877u
Na 330.237	1940.72	1984.77	1828.35
Ni 231.604	2.9689	2.5450	3.6626
Pb 220.353	0.2265	-2.7211u	0.5863
Sb 206.834	-0.3140u	-2.2501u	-0.3401u
Se 196.026	-4.9629u	8.0511	4.5951
Sn 189.925	3.7983	2.8848	-0.4511u
Sr 216.596	16.8717	16.8725	17.1246
Ti 334.941	-0.1254u	-0.1237u	-0.0953u
Tl 190.794	-3.6930u	-4.1072u	-7.1722u
V 292.401	0.1557	0.1378	-0.3411u
Zn 206.200	5.9774	11.0568	9.4659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2932	ppb	0.1324	45.1	-48.1887
Al 308.215	2.2359	ppb	4.2004	187.9	-28.4461
As 188.980	0.6141	ppb	1.9492	317.4	-10.2240
B 249.678	-30.6114	ppb	0.1616	0.5	150.338
Ba 389.178	6.4553	ppb	1.3536	21.0	90.5570
Be 313.042	0.0389	ppb	0.0085	21.7	-255.923
Ca 370.602	6362	ppb	25.52	0.4	14969
Cd 226.502	-0.1406	ppb	0.1386	98.6	34.7321
Co 228.615	-0.1142	ppb	0.7260	635.9	-8.3947
Cr 267.716	0.2427	ppb	0.2137	88.0	-20.5559
Cu 324.754	-0.0262	ppb	0.3544	1352.8	143.767
Fe 271.441	1328.84	ppb	5.6000	0.4	1956.64
K 766.491	551.755	ppb	1.9346	0.4	15196.8
Mg 279.078	1519.86	ppb	2.6911	0.2	2784.95
Mn 257.610	222.845	ppb	0.6145	0.3	46106.2
Mo 202.032	-0.8550	ppb	0.3374	39.5	15.3168
Na 330.237	1917.95	ppb	80.6601	4.2	133.252
Ni 231.604	3.0588	ppb	0.5642	18.4	-0.4274
Pb 220.353	-0.6361	ppb	1.8146	285.3	32.5860
Sb 206.834	-0.9681	ppb	1.1103	114.7	-1.4641
Se 196.026	2.5611	ppb	6.7412	263.2	10.5672
Sn 189.925	2.0773	ppb	2.2368	107.7	-6.8008
Sr 216.596	16.9563	ppb	0.1458	0.9	166.976
Ti 334.941	-0.1148	ppb	0.0169	14.7	-47.3634
Tl 190.794	-4.9908	ppb	1.9005	38.1	-14.8195
V 292.401	-0.0158	ppb	0.2818	1778.3	-7.0542
Zn 206.200	8.8333	ppb	2.5981	29.4	10.9624

680-89586-d-3-a (Samp) **4/25/2013, 6:05:09 AM** **Rack 3, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0272u	0.0391u	0.0022u
Al 308.215	1.5996	3.8505	6.6664
As 188.980	2.0486	5.7080	5.2097
B 249.678	-30.7493u	-32.2387u	-31.5060u
Ba 389.178	2.3541	3.8654	3.7898
Be 313.042	-0.0254u	-0.0008	-0.0098u
Ca 370.602	18355	18345	18297
Cd 226.502	-0.2552u	-0.3719u	-0.0495
Co 228.615	-0.6352u	-0.2478u	-0.0341u
Cr 267.716	-0.1477u	0.0833	0.2970
Cu 324.754	0.5820	0.1177	0.2559
Fe 271.441	905.614	909.658	901.478
K 766.491	1134.05	1134.78	1135.99
Mg 279.078	4914.63	4900.62	4900.89
Mn 257.610	450.311	449.976	449.172
Mo 202.032	-0.6360u	-0.9972u	-0.7266u
Na 330.237	10883.4	10944.7	10904.0
Ni 231.604	0.8426	0.6030	2.5442
Pb 220.353	2.6620	0.0153	1.0234
Sb 206.834	-4.6860u	-8.2828u	-6.2034u
Se 196.026	4.5505	4.5205	3.5299
Sn 189.925	3.7361	-1.5844u	-2.9137u
Sr 216.596	110.385	109.305	109.404
Ti 334.941	-0.1230u	-0.0869u	-0.1956u
Tl 190.794	-3.7683u	-2.1466u	-0.6968u
V 292.401	-0.8274u	-0.5201u	-0.3726u
Zn 206.200	0.9218	0.6922	1.1120

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0047	ppb	0.0332	708.4	-31.4721
Al 308.215	4.0388	ppb	2.5386	62.9	-24.9527
As 188.980	4.3221	ppb	1.9846	45.9	-8.6853
B 249.678	-31.4980	ppb	0.7447	2.4	141.289
Ba 389.178	3.3364	ppb	0.8516	25.5	40.1868
Be 313.042	-0.0120	ppb	0.0124	104.0	-331.966
Ca 370.602	18332	ppb	31.34	0.2	43312
Cd 226.502	-0.2255	ppb	0.1632	72.4	30.8256
Co 228.615	-0.3057	ppb	0.3047	99.7	-10.0339
Cr 267.716	0.0775	ppb	0.2224	286.8	-24.5134
Cu 324.754	0.3185	ppb	0.2384	74.8	159.720
Fe 271.441	905.583	ppb	4.0902	0.5	1342.35
K 766.491	1134.94	ppb	0.9781	0.1	31056.0
Mg 279.078	4905.38	ppb	8.0145	0.2	8917.89
Mn 257.610	449.820	ppb	0.5853	0.1	93021.3
Mo 202.032	-0.7866	ppb	0.1879	23.9	15.7622
Na 330.237	10910.7	ppb	31.1704	0.3	485.858
Ni 231.604	1.3300	ppb	1.0584	79.6	-4.4206
Pb 220.353	1.2336	ppb	1.3358	108.3	35.0408
Sb 206.834	-6.3907	ppb	1.8057	28.3	-6.3735
Se 196.026	4.2003	ppb	0.5808	13.8	11.3231
Sn 189.925	-0.2540	ppb	3.5189	1385.3	-8.2766
Sr 216.596	109.698	ppb	0.5970	0.5	956.859
Ti 334.941	-0.1352	ppb	0.0554	41.0	-40.4367
Tl 190.794	-2.2039	ppb	1.5365	69.7	-12.7788
V 292.401	-0.5733	ppb	0.2320	40.5	-19.9053
Zn 206.200	0.9087	ppb	0.2102	23.1	3.5508

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680-89586-d-3-aSD^5 (Samp) 4/25/2013, 6:10:46 AM Rack 3, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0444	-0.1248u	-0.1279u
Al 308.215	-5.3671u	3.9214	5.9277
As 188.980	2.7544	0.8726	1.5365
B 249.678	-34.7242u	-34.9796u	-34.8671u
Ba 389.178	0.3113	1.3851	1.9702
Be 313.042	-0.0067u	-0.0158u	-0.0009u
Ca 370.602	3666	3664	3652
Cd 226.502	-0.4758u	-0.1530u	-0.0621u
Co 228.615	-0.8748u	-0.4833u	0.6848
Cr 267.716	0.5285	0.3315	0.1032
Cu 324.754	0.0806	0.1621	-0.7626u
Fe 271.441	180.900	180.330	170.395
K 766.491	216.372	217.502	215.815
Mg 279.078	995.710	996.269	992.958
Mn 257.610	90.8298	90.7639	90.7909
Mo 202.032	-1.5197u	-0.4576u	-0.6849u
Na 330.237	2034.80	2090.86	2063.03
Ni 231.604	0.1199	0.9443	1.0493
Pb 220.353	3.1035	3.8821	1.8786
Sb 206.834	-2.6401u	-4.8534u	-9.1944u
Se 196.026	7.7999	6.3318	4.3622
Sn 189.925	-0.6638u	-0.6851u	0.1365
Sr 216.596	22.5530	21.8577	22.3053
Ti 334.941	-0.1636u	-0.1459u	-0.1926u
Tl 190.794	-5.9878u	-7.2161u	-1.5294u
V 292.401	-0.2313u	-0.2257u	-0.0859u
Zn 206.200	1.0813	2.7381	1.0329

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0694	ppb	0.0986	142.0	-34.1037
Al 308.215	1.4940	ppb	6.0260	403.3	-29.8812
As 188.980	1.7212	ppb	0.9544	55.5	-9.7713
B 249.678	-34.8569	ppb	0.1280	0.4	106.062
Ba 389.178	1.2222	ppb	0.8414	68.8	-7.2348
Be 313.042	-0.0078	ppb	0.0075	96.6	-328.779
Ca 370.602	3661	ppb	7.718	0.2	8646
Cd 226.502	-0.2303	ppb	0.2174	94.4	28.4134
Co 228.615	-0.2244	ppb	0.8114	361.6	-9.3174
Cr 267.716	0.3211	ppb	0.2129	66.3	-18.8770
Cu 324.754	-0.1733	ppb	0.5120	295.4	136.597
Fe 271.441	177.208	ppb	5.9073	3.3	285.275
K 766.491	216.563	ppb	0.8597	0.4	6081.59
Mg 279.078	994.979	ppb	1.7727	0.2	1835.26
Mn 257.610	90.7949	ppb	0.0331	0.0	18816.0
Mo 202.032	-0.8874	ppb	0.5593	63.0	15.1642
Na 330.237	2062.90	ppb	28.0296	1.4	139.242
Ni 231.604	0.7045	ppb	0.5090	72.2	-5.8757
Pb 220.353	2.9547	ppb	1.0100	34.2	37.2051
Sb 206.834	-5.5627	ppb	3.3342	59.9	-5.6419
Se 196.026	6.1646	ppb	1.7250	28.0	12.0914
Sn 189.925	-0.4041	ppb	0.4683	115.9	-8.3790
Sr 216.596	22.2387	ppb	0.3524	1.6	211.351
Ti 334.941	-0.1674	ppb	0.0236	14.1	-60.7586
Tl 190.794	-4.9111	ppb	2.9923	60.9	-14.5457
V 292.401	-0.1810	ppb	0.0824	45.5	-10.8546
Zn 206.200	1.6174	ppb	0.9708	60.0	-4.2139

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Verif (CCV) 4/25/2013, 6:16:23 AM Rack 3, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	512.016	506.701	513.046
Al 308.215	5084.65	5121.41	5048.20
As 188.980	514.659	524.243	529.230
B 249.678	507.939	512.918	515.395
Ba 389.178	5209.66	5225.78	5228.10
Be 313.042	546.522	549.467	547.330
Ca 370.602	5102	5127	5126
Cd 226.502	539.164	541.497	541.690
Co 228.615	539.816	542.241	544.458
Cr 267.716	5328.11	5352.03	5297.99
Cu 324.754	5269.25	5351.56	5362.18
Fe 271.441	5169.50	5199.58	5193.19
K 766.491	10360.0	10433.9	10421.9
Mg 279.078	5254.25	5272.27	5276.93
Mn 257.610	5412.19	5426.56	5441.97
Mo 202.032	507.669	510.066	508.182
Na 330.237	7910.87	7916.74	7999.72
Ni 231.604	2716.09	2712.65	2726.28
Pb 220.353	512.506	511.683	517.553
Sb 206.834	1001.23	990.758	994.573
Se 196.026	5267.63	5288.48	5285.18
Sn 189.925	5184.10	5202.29	5209.74
Sr 216.596	2583.78	2591.86	2585.48
Ti 334.941	509.825	512.684	510.345
Tl 190.794	5178.48	5183.97	5222.74
V 292.401	5148.49	5179.05	5181.20
Zn 206.200	2731.28	2738.47	2768.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.587	ppb	3.4049	0.7	33324.9	102.11748
Al 308.215	5084.75	ppb	36.6053	0.7	9808.45	101.69509
As 188.980	522.711	ppb	7.4053	1.4	206.756	104.54216
B 249.678	512.084	ppb	3.7975	0.7	5962.50	20.48336Q
Ba 389.178	5221.18	ppb	10.0462	0.2	95209.1	104.42362
Be 313.042	547.773	ppb	1.5214	0.3	845004	109.55464
Ca 370.602	5118	ppb	14.16	0.3	12004	102.36038
Cd 226.502	540.784	ppb	1.4061	0.3	16498.5	108.15680
Co 228.615	542.172	ppb	2.3217	0.4	4681.91	108.43436
Cr 267.716	5326.04	ppb	27.0814	0.5	146736	106.52085
Cu 324.754	5327.66	ppb	50.8654	1.0	248396	106.55319
Fe 271.441	5187.42	ppb	15.8476	0.3	7669.37	103.74844
K 766.491	10405.3	ppb	39.6572	0.4	283153	104.05253
Mg 279.078	5267.82	ppb	11.9740	0.2	9505.59	105.35635
Mn 257.610	5426.91	ppb	14.8934	0.3	1121417	108.53818
Mo 202.032	508.639	ppb	1.2622	0.2	3183.68	101.72781
Na 330.237	7942.44	ppb	49.6897	0.6	349.973	105.89922
Ni 231.604	2718.34	ppb	7.0872	0.3	6259.10	108.73367
Pb 220.353	513.914	ppb	3.1780	0.6	697.576	102.78285
Sb 206.834	995.521	ppb	5.3016	0.5	945.093	99.55212
Se 196.026	5280.43	ppb	11.2048	0.2	2294.58	105.60861
Sn 189.925	5198.71	ppb	13.1894	0.3	3296.61	103.97417
Sr 216.596	2587.04	ppb	4.2595	0.2	21982.5	103.48177
Ti 334.941	510.951	ppb	1.5229	0.3	111238	102.19020
Tl 190.794	5195.06	ppb	24.1270	0.5	4267.64	103.90121
V 292.401	5169.58	ppb	18.2949	0.4	118781	103.39156
Zn 206.200	2746.02	ppb	19.6424	0.7	2561.20	109.84097

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Cont Calib Blank (CCB) 4/25/2013, 6:22:00 AM Rack 3, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2744	-0.4410u	-0.6461u
Al 308.215	2.1425	4.6579	-1.9803u
As 188.980	6.3845	1.7803	11.8106
B 249.678	-25.0852u	-26.1422u	-27.1716u
Ba 389.178	-0.0144u	0.5372	0.4929
Be 313.042	-0.0171u	-0.0047u	-0.0028u
Ca 370.602	5.634	7.480	2.870
Cd 226.502	-0.1511u	-0.2684u	-0.1031u
Co 228.615	-0.7386u	0.4945	1.0141
Cr 267.716	0.3452	-0.0013u	-0.2883u
Cu 324.754	-0.0748u	-0.1106u	0.0205
Fe 271.441	-5.4840u	4.0450	3.0933
K 766.491	-0.1156u	-0.6873u	-0.0731u
Mg 279.078	4.1184	1.1878	0.3900
Mn 257.610	-0.0100u	0.0143	0.0327
Mo 202.032	-0.8328u	-0.3228u	-0.5777u
Na 330.237	-16.8127u	-29.3674u	-51.0451u
Ni 231.604	2.3250	1.4288	2.1718
Pb 220.353	2.5142	3.2775	1.2958
Sb 206.834	2.6202	0.0044	2.7004
Se 196.026	9.0185	15.3173	-4.1505u
Sn 189.925	-2.5352u	-0.6522u	2.9012
Sr 216.596	-0.1768u	0.3662	0.1091
Ti 334.941	-0.0416u	-0.0289u	-0.0618u
Tl 190.794	-0.2597u	-4.2215u	-1.0148u
V 292.401	0.1734	-0.0996u	-0.1399u
Zn 206.200	-4.1887u	-0.0563u	0.6983

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2709	ppb	0.4833	178.4	-46.7474	-0.27089
Al 308.215	1.6067	ppb	3.3514	208.6	-29.6525	1.60669
As 188.980	6.6585	ppb	5.0208	75.4	-7.7200	6.65847
B 249.678	-26.1330	ppb	1.0432	4.0	199.754	-26.13301
Ba 389.178	0.3386	ppb	0.3065	90.5	-25.5926	0.33859
Be 313.042	-0.0082	ppb	0.0077	94.4	-330.261	-0.00821
Ca 370.602	5.328	ppb	2.321	43.6	9.675	5.32799
Cd 226.502	-0.1742	ppb	0.0850	48.8	29.5546	-0.17421
Co 228.615	0.2567	ppb	0.9002	350.7	-5.1638	0.25668
Cr 267.716	0.0185	ppb	0.3172	1710.6	-27.4844	0.01855
Cu 324.754	-0.0550	ppb	0.0678	123.3	142.068	-0.05496
Fe 271.441	0.5514	ppb	5.2485	951.8	28.9078	0.55144
K 766.491	-0.2920	ppb	0.3430	117.5	184.427	-0.29202
Mg 279.078	1.8987	ppb	1.9632	103.4	36.5558	1.89872
Mn 257.610	0.0123	ppb	0.0214	173.9	52.5668	0.01231
Mo 202.032	-0.5778	ppb	0.2550	44.1	17.1025	-0.57778
Na 330.237	-32.4085	ppb	17.3176	53.4	57.1592	-32.40852
Ni 231.604	1.9752	ppb	0.4794	24.3	-2.9497	1.97519
Pb 220.353	2.3625	ppb	0.9995	42.3	36.4241	2.36250
Sb 206.834	1.7750	ppb	1.5339	86.4	0.9821	1.77500
Se 196.026	6.7285	ppb	9.9339	147.6	12.3147	6.72846
Sn 189.925	-0.0954	ppb	2.7606	2893.5	-8.1845	-0.09541
Sr 216.596	0.0995	ppb	0.2716	273.0	22.6157	0.09951
Ti 334.941	-0.0441	ppb	0.0166	37.6	-37.3061	-0.04410
Tl 190.794	-1.8320	ppb	2.1035	114.8	-11.8901	-1.83200
V 292.401	-0.0220	ppb	0.1704	773.3	-7.2420	-0.02204
Zn 206.200	-1.1822	ppb	2.6309	447.3	515.5949	-1.18224

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680-89586-d-3-aPDS (Samp) **4/25/2013, 6:27:37 AM** **Rack 3, Tube 39****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.2325	52.4362	52.2205
Al 308.215	2189.02	2161.13	2146.17
As 188.980	2311.37	2268.28	2310.12
B 249.678	1075.85	1080.50	1085.36
Ba 389.178	2184.69	2176.54	2170.66
Be 313.042	56.5193	56.3204	56.0992
Ca 370.602	23635	23498	23452
Cd 226.502	56.5438	56.3076	56.2602
Co 228.615	568.645	569.011	570.636
Cr 267.716	223.503	222.380	220.641
Cu 324.754	277.484	276.975	276.631
Fe 271.441	1962.54	1947.95	1957.76
K 766.491	6927.33	6904.17	6870.26
Mg 279.078	10463.7	10461.3	10443.8
Mn 257.610	1018.45	1016.95	1015.61
Mo 202.032	535.139	536.139	536.345
Na 330.237	16695.7	17210.5	16789.2
Ni 231.604	558.567	556.572	556.755
Pb 220.353	531.885	530.789	528.823
Sb 206.834	514.166	509.415	504.411
Se 196.026	2186.05	2189.26	2184.12
Sn 189.925	1094.53	1079.07	1101.47
Sr 216.596	663.884	660.271	660.419
Ti 334.941	1064.76	1057.44	1052.76
Tl 190.794	2196.10	2199.26	2201.59
V 292.401	535.300	532.999	532.106
Zn 206.200	563.930	562.625	562.903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6297	ppb	0.5331	1.0	3394.85
Al 308.215	2165.44	ppb	21.7509	1.0	4182.63
As 188.980	2296.59	ppb	24.5269	1.1	944.164
B 249.678	1080.57	ppb	4.7575	0.4	12058.8
Ba 389.178	2177.30	ppb	7.0482	0.3	39700.2
Be 313.042	56.3130	ppb	0.2102	0.4	86526.1
Ca 370.602	23529	ppb	95.28	0.4	55697
Cd 226.502	56.3705	ppb	0.1519	0.3	1755.58
Co 228.615	569.431	ppb	1.0597	0.2	4917.04
Cr 267.716	222.174	ppb	1.4419	0.6	6095.81
Cu 324.754	277.030	ppb	0.4292	0.2	13064.5
Fe 271.441	1956.08	ppb	7.4339	0.4	2946.09
K 766.491	6900.59	ppb	28.7021	0.4	187847
Mg 279.078	10456.3	ppb	10.8323	0.1	18970.5
Mn 257.610	1017.00	ppb	1.4212	0.1	210247
Mo 202.032	535.874	ppb	0.6452	0.1	3361.16
Na 330.237	16898.5	ppb	274.219	1.6	710.806
Ni 231.604	557.298	ppb	1.1025	0.2	1277.25
Pb 220.353	530.499	ppb	1.5512	0.3	718.050
Sb 206.834	509.331	ppb	4.8779	1.0	455.506
Se 196.026	2186.48	ppb	2.5969	0.1	955.365
Sn 189.925	1091.69	ppb	11.4692	1.1	685.856
Sr 216.596	661.525	ppb	2.0445	0.3	5629.52
Ti 334.941	1058.32	ppb	6.0522	0.6	230431
Tl 190.794	2198.98	ppb	2.7559	0.1	1801.34
V 292.401	533.468	ppb	1.6480	0.3	12202.2
Zn 206.200	563.153	ppb	0.6873	0.1	529.011

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680-89586-d-3-b ms (Samp) 4/25/2013, 6:33:14 AM Rack 3, Tube 40**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.3714	54.7445	56.3291
Al 308.215	5599.50	5549.17	5563.29
As 188.980	119.065	114.733	116.016
B 249.678	204.146	204.158	204.314
Ba 389.178	111.864	112.303	111.144
Be 313.042	57.7176	57.4333	57.1844
Ca 370.602	23517	23359	23358
Cd 226.502	57.1096	57.4463	57.5402
Co 228.615	57.3541	55.4716	56.6781
Cr 267.716	112.847	112.078	111.952
Cu 324.754	110.550	111.718	111.866
Fe 271.441	6236.90	6231.28	6227.49
K 766.491	6812.93	6778.84	6732.79
Mg 279.078	10395.8	10381.4	10336.9
Mn 257.610	1023.47	1021.05	1018.79
Mo 202.032	105.899	103.821	105.100
Na 330.237	16770.2	16513.6	16773.5
Ni 231.604	111.428	111.320	111.887
Pb 220.353	55.2098	51.0924	58.7509
Sb 206.834	52.8564	54.4203	50.7048
Se 196.026	114.700	111.513	109.493
Sn 189.925	215.064	214.967	211.231
Sr 216.596	218.250	215.886	218.103
Ti 334.941	105.808	105.183	105.019
Tl 190.794	42.3268	38.0660	43.7999
V 292.401	107.965	107.899	107.891
Zn 206.200	114.141	111.016	114.804

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.1483	ppb	1.0394	1.9	3574.41
Al 308.215	5570.65	ppb	25.9578	0.5	10762.0
As 188.980	116.605	ppb	2.2250	1.9	38.0087
B 249.678	204.206	ppb	0.0933	0.0	2661.76
Ba 389.178	111.770	ppb	0.5851	0.5	2035.44
Be 313.042	57.4451	ppb	0.2668	0.5	88342.6
Ca 370.602	23411	ppb	91.43	0.4	55029
Cd 226.502	57.3654	ppb	0.2264	0.4	1799.08
Co 228.615	56.5012	ppb	0.9536	1.7	479.942
Cr 267.716	112.292	ppb	0.4844	0.4	3069.45
Cu 324.754	111.378	ppb	0.7209	0.6	5338.62
Fe 271.441	6231.89	ppb	4.7351	0.1	9080.76
K 766.491	6774.86	ppb	40.2175	0.6	184428
Mg 279.078	10371.4	ppb	30.6815	0.3	18816.4
Mn 257.610	1021.11	ppb	2.3381	0.2	211104
Mo 202.032	104.940	ppb	1.0480	1.0	674.608
Na 330.237	16685.8	ppb	149.130	0.9	709.727
Ni 231.604	111.545	ppb	0.3014	0.3	249.753
Pb 220.353	55.0177	ppb	3.8329	7.0	104.411
Sb 206.834	52.6605	ppb	1.8655	3.5	47.2183
Se 196.026	111.902	ppb	2.6254	2.3	58.0588
Sn 189.925	213.754	ppb	2.1851	1.0	127.768
Sr 216.596	217.413	ppb	1.3245	0.6	1870.87
Ti 334.941	105.337	ppb	0.4165	0.4	22943.1
Tl 190.794	41.3976	ppb	2.9778	7.2	22.2792
V 292.401	107.918	ppb	0.0407	0.0	2458.54
Zn 206.200	113.320	ppb	2.0229	1.8	518.483

680-89586-d-3-c msd (Samp) 4/25/2013, 6:38:51 AM Rack 3, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	53.9618	51.7473	52.0638
Al 308.215	5554.16	5506.22	5532.39
As 188.980	114.567	117.334	119.547
B 249.678	196.221	195.205	196.077
Ba 389.178	111.962	110.609	113.212
Be 313.042	57.4115	56.7878	56.7763
Ca 370.602	24545	24253	24349
Cd 226.502	56.9454	56.4552	56.6537
Co 228.615	55.6087	55.2804	56.6804
Cr 267.716	110.755	110.835	110.646
Cu 324.754	111.345	109.635	109.968
Fe 271.441	6265.41	6203.19	6218.59
K 766.491	6856.85	6764.26	6757.38
Mg 279.078	10648.8	10570.1	10581.7
Mn 257.610	1047.55	1037.65	1037.29
Mo 202.032	104.164	102.637	105.055
Na 330.237	17513.2	17388.9	17215.5
Ni 231.604	112.813	110.032	109.346
Pb 220.353	55.1018	52.1561	49.1521
Sb 206.834	47.9735	55.9175	61.0024
Se 196.026	112.112	110.031	110.927
Sn 189.925	209.846	212.302	207.805
Sr 216.596	222.629	222.157	222.816
Ti 334.941	105.044	103.955	104.083
Tl 190.794	40.8301	38.5337	38.3150
V 292.401	108.132	106.654	106.581
Zn 206.200	117.806	112.689	111.551

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.5910	ppb	1.1977	2.3	3406.96
Al 308.215	5530.93	ppb	24.0056	0.4	10685.0
As 188.980	117.149	ppb	2.4955	2.1	38.2353
B 249.678	195.834	ppb	0.5497	0.3	2572.04
Ba 389.178	111.927	ppb	1.3018	1.2	2038.78
Be 313.042	56.9919	ppb	0.3634	0.6	87643.4
Ca 370.602	24382	ppb	148.4	0.6	57326
Cd 226.502	56.6847	ppb	0.2466	0.4	1778.37
Co 228.615	55.8565	ppb	0.7322	1.3	474.384
Cr 267.716	110.745	ppb	0.0949	0.1	3026.87
Cu 324.754	110.316	ppb	0.9064	0.8	5289.10
Fe 271.441	6229.07	ppb	32.4037	0.5	9076.54
K 766.491	6792.83	ppb	55.5502	0.8	184917
Mg 279.078	10600.2	ppb	42.4892	0.4	19230.9
Mn 257.610	1040.83	ppb	5.8219	0.6	215181
Mo 202.032	103.952	ppb	1.2233	1.2	668.448
Na 330.237	17372.5	ppb	149.520	0.9	736.651
Ni 231.604	110.730	ppb	1.8357	1.7	247.875
Pb 220.353	52.1366	ppb	2.9749	5.7	100.692
Sb 206.834	54.9645	ppb	6.5665	11.9	49.3036
Se 196.026	111.023	ppb	1.0438	0.9	57.6831
Sn 189.925	209.984	ppb	2.2515	1.1	125.372
Sr 216.596	222.534	ppb	0.3397	0.2	1914.56
Ti 334.941	104.361	ppb	0.5952	0.6	22731.3
Tl 190.794	39.2262	ppb	1.3933	3.6	20.4652
V 292.401	107.123	ppb	0.8752	0.8	2440.44
Zn 206.200	114.015	ppb	3.3321	2.9	109.135

X (Samp) 4/25/2013, 6:44:28 AM Rack 3, Tube 42
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0887	-0.1631u	-0.0872u
Al 308.215	-0.8728u	-0.2049u	-1.6919u
As 188.980	0.8582	-0.4957u	6.8694
B 249.678	-25.2123u	-25.3773u	-27.3566u
Ba 389.178	0.6164	0.5407	1.6189
Be 313.042	-0.0017u	-0.0100u	-0.0163u
Ca 370.602	4.358	0.2700	4.254
Cd 226.502	-0.2380u	-0.1275u	-0.1747u
Co 228.615	-0.6541u	1.5420	0.0392
Cr 267.716	0.1894	0.1852	0.1631
Cu 324.754	-0.3025u	0.1370	-0.7445u
Fe 271.441	6.1753	-2.9930u	-1.4745u
K 766.491	0.2598	-0.0743u	1.0347
Mg 279.078	2.2360	5.4339	0.4460
Mn 257.610	-0.0910u	0.5061	-0.0723u
Mo 202.032	-0.6974u	-0.3356u	-0.5068u
Na 330.237	-10.0772u	143.830	-86.2239u
Ni 231.604	-0.2801u	0.8321	0.1654
Pb 220.353	-1.7920u	-0.9801u	-0.6430u
Sb 206.834	1.5765	0.0641	-4.3854u
Se 196.026	-0.2923u	3.8921	-1.8738u
Sn 189.925	-3.8691u	0.6434	4.9153
Sr 216.596	-0.0255u	-0.0583u	-0.4366u
Ti 334.941	-0.1272u	-0.0801u	-0.0808u
Tl 190.794	-6.5216u	-2.6736u	-0.0683u
V 292.401	-0.4961u	-0.2380u	-0.4632u
Zn 206.200	-0.9781u	-2.0396u	1.5723

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0539	ppb	0.1292	239.8	-32.5479
Al 308.215	-0.9232	ppb	0.7448	80.7	-34.5390
As 188.980	2.4106	ppb	3.9203	162.6	-9.4860
B 249.678	-25.9821	ppb	1.1932	4.6	201.375
Ba 389.178	0.9253	ppb	0.6018	65.0	-14.8938
Be 313.042	-0.0093	ppb	0.0073	78.2	-332.027
Ca 370.602	2.961	ppb	2.331	78.7	4.242
Cd 226.502	-0.1801	ppb	0.0555	30.8	29.3669
Co 228.615	0.3090	ppb	1.1226	363.3	-4.7195
Cr 267.716	0.1793	ppb	0.0141	7.9	-23.0527
Cu 324.754	-0.3033	ppb	0.4407	145.3	130.503
Fe 271.441	0.5693	ppb	4.9140	863.2	28.9378
K 766.491	0.4067	ppb	0.5689	139.9	203.429
Mg 279.078	2.7053	ppb	2.5268	93.4	38.0166
Mn 257.610	0.1143	ppb	0.3394	297.1	73.6297
Mo 202.032	-0.5133	ppb	0.1810	35.3	17.5054
Na 330.237	15.8431	ppb	117.197	739.7	59.0539
Ni 231.604	0.2391	ppb	0.5598	234.1	-6.9518
Pb 220.353	-1.1384	ppb	0.5906	51.9	31.8988
Sb 206.834	-0.9149	ppb	3.0992	338.7	-1.4517
Se 196.026	0.5754	ppb	2.9792	517.8	9.6533
Sn 189.925	0.5632	ppb	4.3928	780.0	-7.7658
Sr 216.596	-0.1735	ppb	0.2285	131.7	20.3082
Ti 334.941	-0.0960	ppb	0.0270	28.1	-48.6188
Tl 190.794	-3.0878	ppb	3.2465	105.1	-12.9255
V 292.401	-0.3991	ppb	0.1405	35.2	-15.9718
Zn 206.200	-0.4818	ppb	1.8564	385.3	2.2502

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CRI (Samp) 4/25/2013, 6:50:05 AM **Rack 3, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.2663	11.4026	10.5580
Al 308.215	234.824	238.084	237.023
As 188.980	18.2712	32.1215	23.0324
B 249.678	80.4651	82.1344	80.7248
Ba 389.178	11.4106	11.2642	11.0459
Be 313.042	4.8781	4.8428	4.8603
Ca 370.602	563.1	562.1	558.2
Cd 226.502	5.9143	5.9079	5.8472
Co 228.615	11.7617	11.2347	11.7104
Cr 267.716	11.8323	11.7239	11.4537
Cu 324.754	22.9558	23.6965	23.7022
Fe 271.441	51.0778	65.2622	56.4047
K 766.491	1106.03	1101.36	1099.06
Mg 279.078	583.123	575.889	589.164
Mn 257.610	12.1674	12.1209	12.2057
Mo 202.032	10.6479	10.5805	10.6633
Na 330.237	877.104	1053.19	1101.74
Ni 231.604	48.3771	48.4115	47.3071
Pb 220.353	11.8929	8.6016	14.8314
Sb 206.834	17.9019	20.1811	22.6926
Se 196.026	31.8950	7.4024	15.8031
Sn 189.925	53.8437	53.7994	55.9243
Sr 216.596	10.7763	11.8440	11.3447
Ti 334.941	10.8868	10.8880	10.8073
Tl 190.794	19.2936	18.3767	22.6872
V 292.401	11.0642	11.4603	11.3557
Zn 206.200	26.6210	27.6184	28.0172

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.0756	ppb	0.4534	4.1	695.331
Al 308.215	236.643	ppb	1.6628	0.7	426.055
As 188.980	24.4750	ppb	7.0370	28.8	-0.3150
B 249.678	81.1081	ppb	0.8982	1.1	1349.06
Ba 389.178	11.2402	ppb	0.1836	1.6	174.537
Be 313.042	4.8604	ppb	0.0177	0.4	7183.19
Ca 370.602	561.1	ppb	2.582	0.5	1323
Cd 226.502	5.8898	ppb	0.0370	0.6	214.164
Co 228.615	11.5689	ppb	0.2906	2.5	92.4565
Cr 267.716	11.6700	ppb	0.1949	1.7	293.583
Cu 324.754	23.4515	ppb	0.4293	1.8	1237.74
Fe 271.441	57.5816	ppb	7.1650	12.4	113.350
K 766.491	1102.15	ppb	3.5529	0.3	30164.3
Mg 279.078	582.725	ppb	6.6464	1.1	1089.07
Mn 257.610	12.1646	ppb	0.0424	0.3	2566.70
Mo 202.032	10.6306	ppb	0.0440	0.4	86.9706
Na 330.237	1010.68	ppb	118.200	11.7	97.8121
Ni 231.604	48.0319	ppb	0.6280	1.3	103.224
Pb 220.353	11.7753	ppb	3.1166	26.5	48.5701
Sb 206.834	20.2585	ppb	2.3963	11.8	17.6928
Se 196.026	18.3668	ppb	12.4459	67.8	17.3516
Sn 189.925	54.5225	ppb	1.2142	2.2	26.5356
Sr 216.596	11.3216	ppb	0.5343	4.7	117.210
Ti 334.941	10.8607	ppb	0.0462	0.4	2338.94
Tl 190.794	20.1192	ppb	2.2708	11.3	6.1945
V 292.401	11.2934	ppb	0.2052	1.8	251.252
Zn 206.200	27.4189	ppb	0.7191	2.6	28.3242

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680-89328-b-8-a (Samp) 4/25/2013, 6:55:42 AM Rack 3, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-9.6117u	-9.1453u	-9.5232u
Al 308.215	147936	148624	148993
As 188.980	346.594	354.609	338.839
B 249.678	-31.7630u	-31.0205u	-30.0654u
Ba 389.178	7075.73	7063.92	7060.04
Be 313.042	22.9978	23.0041	22.9786
Ca 370.602	124359	124315	124233
Cd 226.502	26.0272	25.5594	24.8784
Co 228.615	291.008	294.652	293.667
Cr 267.716	878.421	882.511	883.115
Cu 324.754	1450.34	1446.27	1444.31
Fe 271.441	706916	709898	704294
K 766.491	11224.2	11219.7	11192.3
Mg 279.078	14782.2	14778.2	14783.7
Mn 257.610	41329.5x	41094.2x	41200.4x
Mo 202.032	22.7830	22.2260	22.4410
Na 330.237	-1583.54u	-1661.36u	-1649.21u
Ni 231.604	265.642	261.913	264.953
Pb 220.353	3641.06	3645.95	3643.50
Sb 206.834	21.2035	28.3823	22.9449
Se 196.026	-0.5760	-6.4251	-0.6539
Sn 189.925	108.397	111.932	103.052
Sr 216.596	376.833	377.501	375.446
Ti 334.941	2167.43	2150.18	2173.11
Tl 190.794	60.3907u	59.1618u	58.3073u
V 292.401	753.600	750.790	748.754
Zn 206.200	13192.2	13136.0	13087.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-9.4268b	ppb	0.2477	2.6	-586.249
Al 308.215	148517b	ppb	536.578	0.4	287649
As 188.980	346.681b	ppb	7.8854	2.3	138.282
B 249.678	-30.9496b	ppb	0.8510	2.7	-608.798
Ba 389.178	7066.56b	ppb	8.1715	0.1	129656
Be 313.042	22.9935b	ppb	0.0133	0.1	35172.4
Ca 370.602	124302b	ppb	63.99	0.1	252340
Cd 226.502	25.4884b	ppb	0.5777	2.3	3022.11
Co 228.615	293.109b	ppb	1.8854	0.6	2549.51
Cr 267.716	881.349b	ppb	2.5535	0.3	24458.0
Cu 324.754	1446.97b	ppb	3.0754	0.2	67766.8
Fe 271.441	707036b	ppb	2804.12	0.4	1026185
K 766.491	11212.1b	ppb	17.3004	0.2	305093
Mg 279.078	14781.4b	ppb	2.8581	0.0	26330.6
Mn 257.610	41208.0xb	ppb	117.817	0.3	8516401
Mo 202.032	22.4833b	ppb	0.2809	1.2	129.155
Na 330.237	-1631.37b	ppb	41.8654	2.6	-255.392
Ni 231.604	264.169b	ppb	1.9839	0.8	614.431
Pb 220.353	3643.50b	ppb	2.4460	0.1	4746.67
Sb 206.834	24.1769b	ppb	3.7446	15.5	43.5150
Se 196.026	-2.5516b	ppb	3.3547	131.5	20.8432
Sn 189.925	107.794b	ppb	4.4704	4.1	60.4241
Sr 216.596	376.593b	ppb	1.0480	0.3	3460.32
Ti 334.941	2163.57b	ppb	11.9415	0.6	471155
Tl 190.794	59.2866b	ppb	1.0473	1.8	-40.8586
V 292.401	751.048b	ppb	2.4332	0.3	17282.2
Zn 206.200	13138.7b	ppb	52.2230	0.4	12289.7

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680-89328-b-8-aSD^5 (Samp) **4/25/2013, 7:01:19 AM** **Rack 3, Tube 45****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.1786u	-2.8687u	-2.6894u
Al 308.215	32337.1	32134.6	31835.6
As 188.980	77.2765	69.2365	74.6440
B 249.678	-31.7036u	-33.1521u	-33.8308u
Ba 389.178	1583.91	1568.13	1553.59
Be 313.042	5.1376	5.0844	5.0344
Ca 370.602	27568	27364	27140
Cd 226.502	4.8906	4.5682	4.3634
Co 228.615	66.9135	65.7076	65.1804
Cr 267.716	196.705	195.765	194.324
Cu 324.754	301.358	307.884	304.328
Fe 271.441	162714	161316	159683
K 766.491	2150.35	2132.34	2108.02
Mg 279.078	3397.07	3360.76	3330.28
Mn 257.610	10399.5	10320.6	10195.8
Mo 202.032	3.7318	4.3776	4.0779
Na 330.237	-315.255u	-393.181u	-437.852u
Ni 231.604	60.1671	58.8358	58.1321
Pb 220.353	819.992	832.523	819.744
Sb 206.834	0.3340	2.0375	6.5193
Se 196.026	5.2623	-0.4432	3.8455
Sn 189.925	28.1649	22.7323	24.8355
Sr 216.596	84.8938	85.2019	84.2774
Ti 334.941	480.332	477.010	472.481
Tl 190.794	8.3735u	12.5104u	11.9723u
V 292.401	168.175	166.946	164.727
Zn 206.200	3036.53	2999.06	2957.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5789	ppb	0.3581	13.9	-180.485
Al 308.215	32102.4	ppb	252.294	0.8	62150.3
As 188.980	73.7190	ppb	4.0991	5.6	21.2178
B 249.678	-32.8955	ppb	1.0866	3.3	-45.2571
Ba 389.178	1568.54	ppb	15.1665	1.0	28759.4
Be 313.042	5.0855	ppb	0.0516	1.0	7531.49
Ca 370.602	27357	ppb	214.3	0.8	55224
Cd 226.502	4.6074	ppb	0.2658	5.8	679.192
Co 228.615	65.9338	ppb	0.8884	1.3	567.536
Cr 267.716	195.598	ppb	1.1991	0.6	5409.64
Cu 324.754	304.523	ppb	3.2672	1.1	14379.4
Fe 271.441	161238	ppb	1516.86	0.9	234040
K 766.491	2130.24	ppb	21.2426	1.0	58122.1
Mg 279.078	3362.70	ppb	33.4371	1.0	6003.31
Mn 257.610	10305.3	ppb	102.703	1.0	2129778
Mo 202.032	4.0624	ppb	0.3232	8.0	38.8080
Na 330.237	-382.096	ppb	62.0455	16.2	-13.4087
Ni 231.604	59.0450	ppb	1.0335	1.8	131.563
Pb 220.353	824.086	ppb	7.3075	0.9	1099.61
Sb 206.834	2.9636	ppb	3.1950	107.8	7.0951
Se 196.026	2.8882	ppb	2.9708	102.9	13.7099
Sn 189.925	25.2442	ppb	2.7393	10.9	7.9291
Sr 216.596	84.7910	ppb	0.4707	0.6	796.638
Ti 334.941	476.608	ppb	3.9408	0.8	103769
Tl 190.794	10.9521	ppb	2.2492	20.5	-20.5437
V 292.401	166.616	ppb	1.7476	1.0	3828.77
Zn 206.200	2997.64	ppb	39.6195	1.3	2896.04

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680-89328-b-8-aPDS (Samp) **4/25/2013, 7:06:56 AM** **Rack 3, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	45.5203	45.4992	44.7414
Al 308.215	147681	148802	148955
As 188.980	2637.34	2660.97	2634.39
B 249.678	1073.94	1078.60	1082.90
Ba 389.178	9081.26	9082.63	9093.42
Be 313.042	78.6308	78.6489	78.7063
Ca 370.602	127458	127521	127508
Cd 226.502	79.4556	78.7080	79.1547
Co 228.615	831.850	843.171	826.809
Cr 267.716	1081.31	1085.69	1086.99
Cu 324.754	1707.03	1710.83	1679.27
Fe 271.441	694895	692412	693661
K 766.491	17701.5	17717.5	17729.6
Mg 279.078	19893.8	19862.0	19868.2
Mn 257.610	40772.6x	40911.2x	40979.1x
Mo 202.032	558.315	559.548	560.252
Na 330.237	4098.10u	4175.68u	4740.49u
Ni 231.604	807.877	806.026	809.766
Pb 220.353	4096.42	4091.23	4101.35
Sb 206.834	537.775	535.777	539.518
Se 196.026	2197.63	2209.33	2209.30
Sn 189.925	1165.95	1167.20	1169.70
Sr 216.596	904.598	907.611	909.687
Ti 334.941	3117.35	3123.52	3123.58
Tl 190.794	2126.05	2115.04	2114.29
V 292.401	1272.74	1272.14	1274.94
Zn 206.200	13484.3	13435.4	13423.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.2536b	ppb	0.4437	1.0	2973.92
Al 308.215	148479b	ppb	695.762	0.5	287596
As 188.980	2644.23b	ppb	14.5734	0.6	1093.23
B 249.678	1078.48b	ppb	4.4834	0.4	11296.1
Ba 389.178	9085.77b	ppb	6.6622	0.1	166476
Be 313.042	78.6620b	ppb	0.0394	0.1	121017
Ca 370.602	127495b	ppb	32.98	0.0	260845
Cd 226.502	79.1061b	ppb	0.3762	0.5	4610.30
Co 228.615	833.943b	ppb	8.3796	1.0	7225.27
Cr 267.716	1084.66b	ppb	2.9761	0.3	30056.4
Cu 324.754	1699.04b	ppb	17.2291	1.0	79519.2
Fe 271.441	693656b	ppb	1241.60	0.2	1006842
K 766.491	17716.2b	ppb	14.1132	0.1	481967
Mg 279.078	19874.7b	ppb	16.8574	0.1	35564.4
Mn 257.610	40887.6xb	ppb	105.274	0.3	8450194
Mo 202.032	559.372b	ppb	0.9806	0.2	3476.63
Na 330.237	4338.09b	ppb	350.641	8.1	-25.6723
Ni 231.604	807.890b	ppb	1.8701	0.2	1867.60
Pb 220.353	4096.33b	ppb	5.0577	0.1	5330.82
Sb 206.834	537.690b	ppb	1.8719	0.3	502.915
Se 196.026	2205.42b	ppb	6.7448	0.3	975.729
Sn 189.925	1167.61b	ppb	1.9104	0.2	734.137
Sr 216.596	907.299b	ppb	2.5588	0.3	7948.53
Ti 334.941	3121.49b	ppb	3.5821	0.1	679733
Tl 190.794	2118.46b	ppb	6.5819	0.3	1657.87
V 292.401	1273.27b	ppb	1.4737	0.1	29231.5
Zn 206.200	13447.6b	ppb	32.3433	0.2	12578.3

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680-89328-b-8-b ms (Samp) 4/25/2013, 7:12:33 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.1713	9.0898	9.7833
Al 308.215	152978	152035	152106
As 188.980	397.810	371.733	376.416
B 249.678	173.717	172.848	171.308
Ba 389.178	5841.09	5830.03	5822.50
Be 313.042	75.9284	75.6740	75.6085
Ca 370.602	132416	132095	132114
Cd 226.502	81.8322	80.6240	80.8004
Co 228.615	390.162	390.686	391.272
Cr 267.716	1101.33	1098.76	1099.13
Cu 324.754	1702.38	1691.96	1685.20
Fe 271.441	593076	592350	590948
K 766.491	17018.0	16927.2	16922.0
Mg 279.078	18770.7	18708.5	18671.5
Mn 257.610	42313.2x	42012.3x	42008.5x
Mo 202.032	117.018	119.134	116.683
Na 330.237	4270.22u	4021.59u	4257.86u
Ni 231.604	366.908	368.310	364.498
Pb 220.353	3401.32	3401.74	3403.71
Sb 206.834	208.767	193.905	201.968
Se 196.026	84.4322	81.1249	86.4544
Sn 189.925	447.037	440.764	439.530
Sr 216.596	529.697	527.272	528.678
Ti 334.941	2209.32	2197.60	2197.82
Tl 190.794	99.2710	93.6726	102.820
V 292.401	776.738	771.806	773.015
Zn 206.200	11391.9	11338.4	11247.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.6815b	ppb	0.5479	5.7	677.005
Al 308.215	152373b	ppb	524.799	0.3	295121
As 188.980	381.986b	ppb	13.9022	3.6	152.186
B 249.678	172.624b	ppb	1.2197	0.7	1695.96
Ba 389.178	5831.20b	ppb	9.3505	0.2	107008
Be 313.042	75.7370b	ppb	0.1690	0.2	116578
Ca 370.602	132208b	ppb	180.0	0.1	278018
Cd 226.502	81.0855b	ppb	0.6526	0.8	4353.81
Co 228.615	390.707b	ppb	0.5556	0.1	3393.91
Cr 267.716	1099.74b	ppb	1.3858	0.1	30463.1
Cu 324.754	1693.18b	ppb	8.6505	0.5	79211.4
Fe 271.441	592125b	ppb	1081.71	0.2	859429
K 766.491	16955.7b	ppb	53.9754	0.3	461286
Mg 279.078	18716.9b	ppb	50.1449	0.3	33432.2
Mn 257.610	42111.3xb	ppb	174.838	0.4	8702785
Mo 202.032	117.612b	ppb	1.3291	1.1	727.243
Na 330.237	4183.22b	ppb	140.112	3.3	9.0227
Ni 231.604	366.572b	ppb	1.9283	0.5	848.401
Pb 220.353	3402.26b	ppb	1.2770	0.0	4434.81
Sb 206.834	201.546b	ppb	7.4400	3.7	202.592
Se 196.026	84.0038b	ppb	2.6905	3.2	57.8872
Sn 189.925	442.444b	ppb	4.0253	0.9	273.162
Sr 216.596	528.549b	ppb	1.2176	0.2	4712.53
Ti 334.941	2201.58b	ppb	6.7059	0.3	479434
Tl 190.794	98.5878b	ppb	4.6117	4.7	-4.6653
V 292.401	773.853b	ppb	2.5707	0.3	17781.0
Zn 206.200	11326.0b	ppb	72.9988	0.6	10593.9

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680-89328-b-8-c msd (Samp) 4/25/2013, 7:18:11 AM Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	12.1702	12.3168	12.1624
Al 308.215	152785	152328	152850
As 188.980	461.839	455.073	469.033
B 249.678	141.654	144.008	143.671
Ba 389.178	5806.71	5803.40	5816.43
Be 313.042	75.7783	75.6867	75.9226
Ca 370.602	111522	111400	111449
Cd 226.502	73.3821	73.8949	73.8256
Co 228.615	376.706	377.300	379.073
Cr 267.716	1449.08	1448.86	1450.23
Cu 324.754	10320.4	10334.3	10262.3
Fe 271.441	1086349x	1082506x	1085185x
K 766.491	17160.0	17160.1	17279.9
Mg 279.078	18158.3	18148.3	18146.5
Mn 257.610	30386.8x	30326.4x	30346.5x
Mo 202.032	121.650	120.193	120.520
Na 330.237	4729.40u	4631.97u	4814.07u
Ni 231.604	410.115	412.386	412.464
Pb 220.353	4658.24	4646.79	4657.41
Sb 206.834	58.4058	74.0122	65.0863
Se 196.026	84.3702	60.5652	67.9899
Sn 189.925	1438.23	1438.68	1448.68
Sr 216.596	481.733	480.963	482.126
Ti 334.941	2228.26	2227.60	2239.36
Tl 190.794	59.9101u	63.9968u	67.0093u
V 292.401	803.438	804.257	805.992
Zn 206.200	11661.6	11700.6	11680.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.2165b	ppb	0.0870	0.7	732.456
Al 308.215	152654b	ppb	284.589	0.2	295666
As 188.980	461.981b	ppb	6.9811	1.5	188.678
B 249.678	143.111b	ppb	1.2730	0.9	852.921
Ba 389.178	5808.85b	ppb	6.7696	0.1	107150
Be 313.042	75.7959b	ppb	0.1189	0.2	116656
Ca 370.602	111457b	ppb	61.23	0.1	198900
Cd 226.502	73.7009b	ppb	0.2782	0.4	5668.36
Co 228.615	377.693b	ppb	1.2316	0.3	3269.88
Cr 267.716	1449.39b	ppb	0.7337	0.1	40136.6
Cu 324.754	10305.6b	ppb	38.1825	0.4	480714
Fe 271.441	1084680xb	ppb	1970.66	0.2	1574266
K 766.491	17200.0b	ppb	69.1992	0.4	467931
Mg 279.078	18151.0b	ppb	6.3272	0.0	32645.3
Mn 257.610	30353.2xb	ppb	30.7664	0.1	6274494
Mo 202.032	120.788b	ppb	0.7648	0.6	725.758
Na 330.237	4725.15b	ppb	91.1286	1.9	-84.7759
Ni 231.604	411.655b	ppb	1.3341	0.3	961.304
Pb 220.353	4654.15b	ppb	6.3842	0.1	6050.95
Sb 206.834	65.8348b	ppb	7.8300	11.9	93.4092
Se 196.026	70.9751b	ppb	12.1800	17.2	52.2359
Sn 189.925	1441.86b	ppb	5.9052	0.4	908.459
Sr 216.596	481.607b	ppb	0.5911	0.1	4469.76
Ti 334.941	2231.74b	ppb	6.6064	0.3	486043
Tl 190.794	63.6387b	ppb	3.5631	5.6	-40.1270
V 292.401	804.562b	ppb	1.3037	0.2	18471.0
Zn 206.200	11680.9b	ppb	19.4882	0.2	10925.2

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Cont Calib Verif (CCV) 4/25/2013, 7:23:48 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	514.793	517.178	510.422
Al 308.215	5169.22	5166.78	5174.05
As 188.980	512.646	512.686	516.167
B 249.678	523.843	529.432	529.692
Ba 389.178	5267.50	5288.10	5293.09
Be 313.042	553.417	560.929	556.406
Ca 370.602	5195	5220	5205
Cd 226.502	546.081	549.180	548.471
Co 228.615	548.819	551.151	551.343
Cr 267.716	5405.68	5416.40	5408.66
Cu 324.754	5462.03	5396.30	5323.83
Fe 271.441	5276.03	5293.53	5278.28
K 766.491	10481.1	10553.8	10592.0
Mg 279.078	5328.73	5355.10	5373.30
Mn 257.610	5475.81	5524.30	5492.27
Mo 202.032	514.813	519.272	517.913
Na 330.237	7577.30	8027.15	7881.44
Ni 231.604	2750.98	2770.19	2756.09
Pb 220.353	519.708	523.209	516.886
Sb 206.834	981.041	983.076	990.155
Se 196.026	5341.94	5330.38	5367.76
Sn 189.925	5305.21	5316.71	5278.95
Sr 216.596	2627.11	2637.23	2626.23
Ti 334.941	517.752	519.774	519.561
Tl 190.794	5242.99	5273.97	5258.42
V 292.401	5216.70	5236.92	5221.93
Zn 206.200	2756.22	2787.71	2784.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.131	ppb	3.4265	0.7	33555.8	102.82617
Al 308.215	5170.02	ppb	3.7006	0.1	9973.64	103.40034
As 188.980	513.833	ppb	2.0214	0.4	203.064	102.76664
B 249.678	527.656	ppb	3.3046	0.6	6129.30	21.10624Q
Ba 389.178	5282.90	ppb	13.5641	0.3	96335.0	105.65792
Be 313.042	556.917	ppb	3.7817	0.7	859116	111.38346Q
Ca 370.602	5206	ppb	12.52	0.2	12211	104.12870
Cd 226.502	547.911	ppb	1.6241	0.3	16715.6	109.58218
Co 228.615	550.438	ppb	1.4049	0.3	4753.31	110.08757Q
Cr 267.716	5410.25	ppb	5.5290	0.1	149056	108.20494
Cu 324.754	5394.05	ppb	69.1234	1.3	251490	107.88108
Fe 271.441	5282.61	ppb	9.5194	0.2	7809.00	105.65223
K 766.491	10542.3	ppb	56.3275	0.5	286879	105.42278
Mg 279.078	5352.37	ppb	22.4082	0.4	9657.87	107.04747
Mn 257.610	5497.46	ppb	24.6590	0.4	1135995	109.94914
Mo 202.032	517.333	ppb	2.2856	0.4	3237.80	103.46661
Na 330.237	7828.63	ppb	229.528	2.9	345.235	104.38172
Ni 231.604	2759.09	ppb	9.9511	0.4	6353.03	110.36356Q
Pb 220.353	519.934	ppb	3.1678	0.6	705.354	103.98685
Sb 206.834	984.757	ppb	4.7842	0.5	935.851	98.47573
Se 196.026	5346.69	ppb	19.1389	0.4	2323.26	106.93388
Sn 189.925	5300.29	ppb	19.3558	0.4	3361.18	106.00577
Sr 216.596	2630.19	ppb	6.1118	0.2	22348.8	105.20761
Ti 334.941	519.029	ppb	1.1112	0.2	112997	103.80576
Tl 190.794	5258.46	ppb	15.4932	0.3	4319.84	105.16921
V 292.401	5225.19	ppb	10.4991	0.2	120058	104.50370
Zn 206.200	2776.29	ppb	17.4345	0.6	2589.40	111.05158Q

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Cont Calib Blank (CCB) 4/25/2013, 7:29:26 AM Rack 4, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0651u	0.4012	-0.3974u
Al 308.215	-4.0798u	-1.7901u	2.2045
As 188.980	1.6265	3.4428	5.6885
B 249.678	-20.8786u	-21.3028u	-23.4691u
Ba 389.178	0.7314	0.8056	1.1633
Be 313.042	-0.0046u	-0.0086u	-0.0043u
Ca 370.602	3.804	-4.056u	-0.1864u
Cd 226.502	-0.1522u	0.0565	0.0306
Co 228.615	0.0685	-0.5463u	-0.4543u
Cr 267.716	0.3852	0.5107	0.1010
Cu 324.754	-0.8054u	0.5481	0.2278
Fe 271.441	17.1526	0.7718	3.5810
K 766.491	-0.6435u	-0.8435u	-1.1384u
Mg 279.078	3.8665	0.6308	2.6833
Mn 257.610	0.0508	0.0181	0.0225
Mo 202.032	-0.4625u	-1.0784u	-1.0059u
Na 330.237	-150.901u	-30.1408u	-36.9880u
Ni 231.604	1.1122	0.8093	1.4860
Pb 220.353	-5.1024u	-3.3237u	-1.2927u
Sb 206.834	1.0290	6.2210	-3.3520u
Se 196.026	-3.7682u	3.6254	2.0263
Sn 189.925	-2.6733u	2.9161	2.2184
Sr 216.596	0.9347	-0.2890u	1.3066
Ti 334.941	0.0639	0.0390	0.0251
Tl 190.794	-3.0423u	-3.0471u	-4.3065u
V 292.401	-0.0497u	-0.2084u	0.0025
Zn 206.200	-3.4758u	-1.2445u	-2.4662u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0205	ppb	0.4012	1961.8	-30.3405	-0.02045
Al 308.215	-1.2218	ppb	3.1805	260.3	-35.1409	-1.22181
As 188.980	3.5859	ppb	2.0347	56.7	-8.9973	3.58592
B 249.678	-21.8835	ppb	1.3894	6.3	245.291	-21.88351
Ba 389.178	0.9001	ppb	0.2309	25.7	-15.3457	0.90012
Be 313.042	-0.0059	ppb	0.0024	41.3	-326.586	-0.00585
Ca 370.602	-0.1461	ppb	3.930	2689.7	-3.663	-0.14612
Cd 226.502	-0.0217	ppb	0.1138	524.5	34.2143	-0.02170
Co 228.615	-0.3107	ppb	0.3316	106.7	-10.0564	-0.31070
Cr 267.716	0.3323	ppb	0.2099	63.2	-18.8374	0.33232
Cu 324.754	-0.0098	ppb	0.7073	7203.9	144.168	-0.00982
Fe 271.441	7.1685	ppb	8.7599	122.2	38.4961	7.16848
K 766.491	-0.8751	ppb	0.2490	28.5	168.569	-0.87513
Mg 279.078	2.3935	ppb	1.6372	68.4	37.4541	2.39354
Mn 257.610	0.0305	ppb	0.0177	58.2	56.3424	0.03050
Mo 202.032	-0.8489	ppb	0.3366	39.7	15.4117	-0.84892
Na 330.237	-72.6764	ppb	67.8306	93.3	55.5872	-72.67643
Ni 231.604	1.1358	ppb	0.3390	29.8	-4.8845	1.13584
Pb 220.353	-3.2396	ppb	1.9062	58.8	29.1834	-3.23961
Sb 206.834	1.2993	ppb	4.7922	368.8	0.5566	1.29934
Se 196.026	0.6279	ppb	3.8901	619.6	9.6760	0.62785
Sn 189.925	0.8204	ppb	3.0457	371.2	-7.6024	0.82040
Sr 216.596	0.6508	ppb	0.8349	128.3	27.3167	0.65077
Ti 334.941	0.0427	ppb	0.0197	46.1	-18.4053	0.04269
Tl 190.794	-3.4653	ppb	0.7285	21.0	-13.2368	-3.46526
V 292.401	-0.0852	ppb	0.1098	128.9	-8.6665	-0.08520
Zn 206.200	-2.3955	ppb	1.1171	459.8	0.4599	-2.39549

mb 680-273873/1-a (Samp) 4/25/2013, 7:35:04 AM Rack 4, Tube 3
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6623u	-0.3274u	0.3092
Al 308.215	26.2413	30.4102	23.2401
As 188.980	-2.4951u	0.7647	4.1256
B 249.678	-28.5964u	-28.9164u	-29.5650u
Ba 389.178	0.2178	0.7996	0.4642
Be 313.042	-0.0045u	-0.0160u	-0.0399u
Ca 370.602	31.71	27.70	33.25
Cd 226.502	-0.0182u	0.0035	-0.2600u
Co 228.615	0.1357	0.9034	-0.3731u
Cr 267.716	0.3503	0.5522	0.6196
Cu 324.754	0.0047	-0.2495u	0.4266
Fe 271.441	19.6580	23.4277	17.5992
K 766.491	8.0954	8.6734	8.9874
Mg 279.078	52.1708	60.4361	59.9712
Mn 257.610	0.3417	0.3483	0.3417
Mo 202.032	-0.9908u	-0.9831u	-1.4538u
Na 330.237	58.6342	-98.7571u	57.7106
Ni 231.604	2.9820	0.6109	0.6101
Pb 220.353	1.9082	2.1999	-2.3373u
Sb 206.834	-2.8514u	-3.0910u	-3.7193u
Se 196.026	1.5874	3.2087	2.5029
Sn 189.925	8.0300	9.6127	8.0053
Sr 216.596	0.1165	0.8558	-0.2813u
Ti 334.941	0.2348	0.1924	0.0802
Tl 190.794	-7.6094u	-4.7443u	-3.9547u
V 292.401	-0.1478u	-0.1165u	0.4613
Zn 206.200	2.8432	3.1282	4.5872

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2269	ppb	0.4935	217.5	-43.8677
Al 308.215	26.6306	ppb	3.6008	13.5	18.7902
As 188.980	0.7984	ppb	3.3105	414.6	-10.1559
B 249.678	-29.0259	ppb	0.4935	1.7	168.727
Ba 389.178	0.4939	ppb	0.2920	59.1	-22.6254
Be 313.042	-0.0201	ppb	0.0181	89.6	-348.578
Ca 370.602	30.89	ppb	2.868	9.3	68.94
Cd 226.502	-0.0916	ppb	0.1463	159.8	32.1319
Co 228.615	0.2220	ppb	0.6426	289.4	-5.4463
Cr 267.716	0.5073	ppb	0.1401	27.6	-14.0115
Cu 324.754	0.0606	ppb	0.3415	563.5	147.441
Fe 271.441	20.2283	ppb	2.9558	14.6	57.4795
K 766.491	8.5854	ppb	0.4525	5.3	425.839
Mg 279.078	57.5260	ppb	4.6436	8.1	137.370
Mn 257.610	0.3439	ppb	0.0038	1.1	121.424
Mo 202.032	-1.1426	ppb	0.2695	23.6	13.5797
Na 330.237	5.8627	ppb	90.6044	1545.4	58.6429
Ni 231.604	1.4010	ppb	1.3692	97.7	-4.2730
Pb 220.353	0.5903	ppb	2.5395	430.2	34.1336
Sb 206.834	-3.2205	ppb	0.4482	13.9	-3.5185
Se 196.026	2.4330	ppb	0.8129	33.4	10.4569
Sn 189.925	8.5493	ppb	0.9210	10.8	-2.6892
Sr 216.596	0.2303	ppb	0.5770	250.5	23.7622
Ti 334.941	0.1691	ppb	0.0799	47.2	9.3235
Tl 190.794	-5.4361	ppb	1.9231	35.4	-14.8621
V 292.401	0.0657	ppb	0.3430	522.3	-5.1265
Zn 206.200	3.5195	ppb	0.9355	26.6	5.9919

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ics 680-273873/2-a (Samp) 4/25/2013, 7:40:42 AM Rack 4, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.6649	9.1289	9.3802
Al 308.215	5435.45	5404.16	5439.56
As 188.980	110.102	118.968	107.833
B 249.678	173.729	173.937	177.808
Ba 389.178	106.726	106.257	107.280
Be 313.042	56.6119	56.4205	57.0405
Ca 370.602	5157	5131	5168
Cd 226.502	55.8695	55.9278	56.1900
Co 228.615	55.6245	55.6155	56.0272
Cr 267.716	111.205	110.014	111.118
Cu 324.754	110.784	108.517	109.208
Fe 271.441	5282.47	5266.06	5328.08
K 766.491	5247.38	5251.19	5304.93
Mg 279.078	5333.40	5310.20	5373.33
Mn 257.610	567.617	565.405	571.073
Mo 202.032	103.608	103.382	104.401
Na 330.237	5472.16	5376.49	5501.76
Ni 231.604	109.786	108.793	108.031
Pb 220.353	59.0015	51.6472	52.2150
Sb 206.834	48.4167	49.7613	43.6314
Se 196.026	107.933	103.379	109.529
Sn 189.925	219.491	221.999	223.484
Sr 216.596	107.022	106.848	106.487
Ti 334.941	104.776	104.614	105.594
Tl 190.794	39.8419	38.0918	42.4340
V 292.401	106.973	106.107	107.800
Zn 206.200	113.636	109.021	110.256

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3913	ppb	0.2682	2.9	583.309
Al 308.215	5426.39	ppb	19.3631	0.4	10482.5
As 188.980	112.301	ppb	5.8841	5.2	36.2136
B 249.678	175.158	ppb	2.2972	1.3	2351.44
Ba 389.178	106.755	ppb	0.5122	0.5	1932.55
Be 313.042	56.6910	ppb	0.3175	0.6	87174.7
Ca 370.602	5152	ppb	19.07	0.4	11889
Cd 226.502	55.9958	ppb	0.1707	0.3	1754.49
Co 228.615	55.7557	ppb	0.2351	0.4	473.545
Cr 267.716	110.779	ppb	0.6643	0.6	3026.40
Cu 324.754	109.503	ppb	1.1621	1.1	5250.98
Fe 271.441	5292.20	ppb	32.1370	0.6	7716.90
K 766.491	5267.83	ppb	32.1831	0.6	143446
Mg 279.078	5338.98	ppb	31.9360	0.6	9701.51
Mn 257.610	568.032	ppb	2.8566	0.5	117460
Mo 202.032	103.797	ppb	0.5354	0.5	667.522
Na 330.237	5450.14	ppb	65.4745	1.2	269.571
Ni 231.604	108.870	ppb	0.8801	0.8	243.569
Pb 220.353	54.2879	ppb	4.0920	7.5	103.395
Sb 206.834	47.2698	ppb	3.2219	6.8	42.3335
Se 196.026	106.947	ppb	3.1915	3.0	55.8128
Sn 189.925	221.658	ppb	2.0181	0.9	132.784
Sr 216.596	106.786	ppb	0.2729	0.3	927.967
Ti 334.941	104.994	ppb	0.5252	0.5	22851.4
Tl 190.794	40.1226	ppb	2.1847	5.4	21.8153
V 292.401	106.960	ppb	0.8464	0.8	2436.73
Zn 206.200	110.971	ppb	2.3891	2.2	106.288

ics 680-273873/3-a (Samp) 4/25/2013, 7:46:20 AM Rack 4, Tube 5
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	215.661	213.905	215.741
Al 308.215	2365.84	2359.03	2331.30
As 188.980	231.928	220.407	230.371
B 249.678	392.015	394.534	396.687
Ba 389.178	212.985	211.991	212.876
Be 313.042	228.233	228.269	228.394
Ca 370.602	20997	20994	20990
Cd 226.502	221.999	222.441	222.606
Co 228.615	223.772	222.046	224.114
Cr 267.716	221.041	221.491	220.932
Cu 324.754	226.749	223.232	224.860
Fe 271.441	22060.7	22017.5	22071.2
K 766.491	21599.7	21634.3	21675.6
Mg 279.078	21667.9	21625.3	21704.4
Mn 257.610	2296.31	2290.30	2295.06
Mo 202.032	212.313	210.368	211.592
Na 330.237	19878.6	19911.5	20016.7
Ni 231.604	222.725	222.415	223.068
Pb 220.353	206.364	213.054	206.167
Sb 206.834	193.788	194.387	202.314
Se 196.026	225.084	213.033	214.072
Sn 189.925	226.023	224.085	228.397
Sr 216.596	228.648	228.230	226.352
Ti 334.941	212.425	212.377	212.037
Tl 190.794	47.5316	45.3256	44.6648
V 292.401	216.936	217.024	217.786
Zn 206.200	209.830	212.452	213.064

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	215.102	ppb	1.0377	0.5	14043.2
Al 308.215	2352.06	ppb	18.2979	0.8	4531.53
As 188.980	227.569	ppb	6.2512	2.7	84.2239
B 249.678	394.412	ppb	2.3384	0.6	4683.32
Ba 389.178	212.617	ppb	0.5452	0.3	3916.27
Be 313.042	228.298	ppb	0.0843	0.0	352051
Ca 370.602	20993	ppb	3.652	0.0	48390
Cd 226.502	222.349	ppb	0.3139	0.1	6866.62
Co 228.615	223.311	ppb	1.1083	0.5	1919.71
Cr 267.716	221.155	ppb	0.2964	0.1	6073.54
Cu 324.754	224.947	ppb	1.7598	0.8	10637.4
Fe 271.441	22049.8	ppb	28.4275	0.1	32059.9
K 766.491	21636.5	ppb	38.0407	0.2	588576
Mg 279.078	21665.9	ppb	39.5822	0.2	39273.1
Mn 257.610	2293.89	ppb	3.1697	0.1	474190
Mo 202.032	211.424	ppb	0.9833	0.5	1337.72
Na 330.237	19935.6	ppb	72.1471	0.4	832.262
Ni 231.604	222.736	ppb	0.3268	0.1	506.367
Pb 220.353	208.528	ppb	3.9207	1.9	302.885
Sb 206.834	196.830	ppb	4.7592	2.4	178.691
Se 196.026	217.396	ppb	6.6776	3.1	104.046
Sn 189.925	226.169	ppb	2.1595	1.0	135.660
Sr 216.596	227.743	ppb	1.2229	0.5	1959.14
Ti 334.941	212.280	ppb	0.2115	0.1	46268.1
Tl 190.794	45.8407	ppb	1.5012	3.3	23.8087
V 292.401	217.249	ppb	0.4674	0.2	4956.40
Zn 206.200	211.782	ppb	1.7180	0.8	209.370

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89459-b-12-a (Samp) 4/25/2013, 7:51:57 AM Rack 4, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.1395	3.9879	2.9914
Al 308.215	125557	125420	124717
As 188.980	299.616	308.430	307.500
B 249.678	86.8375	86.7835	86.2820
Ba 389.178	4784.23	4776.75	4774.40
Be 313.042	19.2746	19.2694	19.2214
Ca 370.602	128353	128194	127975
Cd 226.502	19.6577	19.2871	19.9255
Co 228.615	140.960	139.665	141.402
Cr 267.716	460.314	458.151	456.160
Cu 324.754	833.320	819.469	821.095
Fe 271.441	560082	561192	558708
K 766.491	14760.1	14765.6	14736.3
Mg 279.078	25207.6	25158.5	25118.2
Mn 257.610	23565.4	23512.6	23516.6
Mo 202.032	31.8296	32.5954	31.6190
Na 330.237	-378.910u	-388.195u	-150.101u
Ni 231.604	193.252	187.576	194.083
Pb 220.353	4298.15	4272.39	4276.76
Sb 206.834	0.3252	14.4853	13.8811
Se 196.026	-0.2472	9.9318	8.9104
Sn 189.925	184.104	197.968	187.645
Sr 216.596	1127.99	1121.76	1120.88
Ti 334.941	1962.82	1961.56	1953.98
Tl 190.794	26.6786u	31.3619u	30.2879u
V 292.401	616.742	617.850	616.261
Zn 206.200	8918.95	8880.36	8945.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3729	ppb	0.5377	15.9	169.194
Al 308.215	125231	ppb	450.960	0.4	242544
As 188.980	305.182	ppb	4.8426	1.6	120.065
B 249.678	86.6343	ppb	0.3063	0.4	808.192
Ba 389.178	4778.46	ppb	5.1328	0.1	87787.9
Be 313.042	19.2551	ppb	0.0293	0.2	29410.6
Ca 370.602	128174	ppb	189.5	0.1	269970
Cd 226.502	19.6234	ppb	0.3206	1.6	2385.75
Co 228.615	140.676	ppb	0.9026	0.6	1231.80
Cr 267.716	458.208	ppb	2.0773	0.5	12733.4
Cu 324.754	824.628	ppb	7.5717	0.9	38724.8
Fe 271.441	559994	ppb	1244.14	0.2	812762
K 766.491	14754.0	ppb	15.5583	0.1	401413
Mg 279.078	25161.4	ppb	44.7808	0.2	45370.0
Mn 257.610	23531.5	ppb	29.4151	0.1	4863722
Mo 202.032	32.0146	ppb	0.5139	1.6	195.125
Na 330.237	-305.735	ppb	134.863	44.1	-144.543
Ni 231.604	191.637	ppb	3.5416	1.8	444.543
Pb 220.353	4282.43	ppb	13.7868	0.3	5569.94
Sb 206.834	9.5639	ppb	8.0067	83.7	23.4715
Se 196.026	6.1983	ppb	5.6053	90.4	20.0533
Sn 189.925	189.906	ppb	7.2033	3.8	112.626
Sr 216.596	1123.55	ppb	3.8745	0.3	9768.91
Ti 334.941	1959.45	ppb	4.7814	0.2	426736
Tl 190.794	29.4428	ppb	2.4533	8.3	-38.0160
V 292.401	616.951	ppb	0.8149	0.1	14209.1
Zn 206.200	8914.83	ppb	32.6956	0.4	8339.92

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680-89459-b-12-aSD^5 (Samp) 4/25/2013, 7:57:35 AM Rack 4, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3648	0.0631u	0.1606
Al 308.215	25368.1	25123.0	25137.5
As 188.980	65.7292	73.7170	66.7540
B 249.678	-6.0810u	-6.0861u	-5.9246u
Ba 389.178	999.601	1000.28	998.465
Be 313.042	4.0023	4.0110	4.0010
Ca 370.602	26325	26285	26252
Cd 226.502	3.6478	3.2854	3.7862
Co 228.615	29.0527	29.1165	28.9227
Cr 267.716	96.9083	95.9102	96.4306
Cu 324.754	162.939	163.201	163.509
Fe 271.441	118917	118954	118899
K 766.491	2583.89	2585.30	2580.65
Mg 279.078	5278.17	5280.52	5264.65
Mn 257.610	5033.15	5055.29	5043.86
Mo 202.032	5.4637	6.3643	5.6961
Na 330.237	-144.294u	89.8066u	107.568u
Ni 231.604	42.0945	42.2039	39.2115
Pb 220.353	911.741	903.647	902.804
Sb 206.834	0.8304	-0.8368	-0.6283
Se 196.026	-2.0715	8.5531	9.1763
Sn 189.925	39.8183	39.1503	41.1297
Sr 216.596	238.212	236.908	237.940
Ti 334.941	403.164	401.138	400.144
Tl 190.794	4.0984u	3.7684u	-2.4822u
V 292.401	127.839	128.361	128.364
Zn 206.200	1923.67	1936.60	1899.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1962	ppb	0.1540	78.5	-20.7361
Al 308.215	25209.5	ppb	137.545	0.5	48798.8
As 188.980	68.7334	ppb	4.3463	6.3	18.8680
B 249.678	-6.0306	ppb	0.0918	1.5	287.734
Ba 389.178	999.447	ppb	0.9151	0.1	18338.3
Be 313.042	4.0048	ppb	0.0054	0.1	5865.44
Ca 370.602	26287	ppb	36.42	0.1	55123
Cd 226.502	3.5731	ppb	0.2586	7.2	516.078
Co 228.615	29.0306	ppb	0.0987	0.3	248.216
Cr 267.716	96.4164	ppb	0.4992	0.5	2657.65
Cu 324.754	163.216	ppb	0.2851	0.2	7782.87
Fe 271.441	118923	ppb	27.7965	0.0	172625
K 766.491	2583.28	ppb	2.3842	0.1	70442.1
Mg 279.078	5274.45	ppb	8.5654	0.2	9535.76
Mn 257.610	5044.10	ppb	11.0747	0.2	1042599
Mo 202.032	5.8414	ppb	0.4675	8.0	51.7799
Na 330.237	17.6935	ppb	140.566	794.5	18.5122
Ni 231.604	41.1699	ppb	1.6970	4.1	89.5859
Pb 220.353	906.064	ppb	4.9342	0.5	1204.81
Sb 206.834	-0.2116	ppb	0.9084	429.4	2.4622
Se 196.026	5.2193	ppb	6.3217	121.1	13.3642
Sn 189.925	40.0327	ppb	1.0070	2.5	17.3305
Sr 216.596	237.686	ppb	0.6881	0.3	2083.91
Ti 334.941	401.482	ppb	1.5388	0.4	87415.0
Tl 190.794	1.7949	ppb	3.7077	206.6	-19.9820
V 292.401	128.188	ppb	0.3025	0.2	2946.99
Zn 206.200	1919.98	ppb	18.7291	0.9	51798.29

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680-89459-b-12-aPDS (Samp) 4/25/2013, 8:03:13 AM Rack 4, Tube 8**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.9605	59.6744	54.9409
Al 308.215	116962	134056	124707
As 188.980	2336.57	2661.94	2469.98
B 249.678	1060.43	1221.88	1137.52
Ba 389.178	6280.73	7210.80	6671.86
Be 313.042	67.5493	77.5216	71.8353
Ca 370.602	122995	139028	130093
Cd 226.502	62.2750	79.8865	69.4674
Co 228.615	630.463	731.519	656.953
Cr 267.716	614.339	702.831	655.901
Cu 324.754	1039.79	1195.06	1070.42
Fe 271.441	511289	588258	546877
K 766.491	19159.5	21241.7	19862.6
Mg 279.078	27951.4	32060.6	29761.1
Mn 257.610	22069.9	25136.4	23405.5
Mo 202.032	502.578	579.242	538.482
Na 330.237	5605.15	5514.47	5666.09
Ni 231.604	674.209	762.880	701.348
Pb 220.353	4333.75	4973.38	4608.53
Sb 206.834	453.977	528.603	492.776
Se 196.026	1984.40	2277.90	2109.77
Sn 189.925	1113.66	1280.16	1204.13
Sr 216.596	1501.25	1726.40	1601.70
Ti 334.941	2665.06	3072.15	2842.11
Tl 190.794	1885.82	2153.23	1996.27
V 292.401	1037.75	1198.42	1109.26
Zn 206.200	8589.04	9927.00	9189.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.8586	ppb	3.4498	6.2	3588.06
Al 308.215	125242	ppb	8559.65	6.8	242584
As 188.980	2489.50	ppb	163.561	6.6	1027.96
B 249.678	1139.95	ppb	80.7526	7.1	12109.2
Ba 389.178	6721.13	ppb	466.989	6.9	123215
Be 313.042	72.3021	ppb	5.0025	6.9	111212
Ca 370.602	130706	ppb	8034	6.1	276767
Cd 226.502	70.5429	ppb	8.8549	12.6	3899.27
Co 228.615	672.978	ppb	52.3995	7.8	5833.51
Cr 267.716	657.690	ppb	44.2730	6.7	18227.5
Cu 324.754	1101.76	ppb	82.2439	7.5	51645.3
Fe 271.441	548808	ppb	38520.7	7.0	796602
K 766.491	20087.9	ppb	1059.26	5.3	546464
Mg 279.078	29924.3	ppb	2059.46	6.9	54000.8
Mn 257.610	23537.3	ppb	1537.49	6.5	4864906
Mo 202.032	540.101	ppb	38.3577	7.1	3362.94
Na 330.237	5595.24	ppb	76.2910	1.4	82.1103
Ni 231.604	712.812	ppb	45.4339	6.4	1645.79
Pb 220.353	4638.55	ppb	320.869	6.9	6029.19
Sb 206.834	491.785	ppb	37.3232	7.6	454.899
Se 196.026	2124.02	ppb	147.272	6.9	936.032
Sn 189.925	1199.32	ppb	83.3530	7.0	754.296
Sr 216.596	1609.78	ppb	112.790	7.0	13880.5
Ti 334.941	2859.77	ppb	204.119	7.1	622774
Tl 190.794	2011.77	ppb	134.379	6.7	1596.87
V 292.401	1115.14	ppb	80.4978	7.2	25608.2
Zn 206.200	9235.26	ppb	670.142	7.3	8639.26

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680-89459-b-12-b ms (Samp) 4/25/2013, 8:08:51 AM Rack 4, Tube 9**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	12.5553	12.1229	12.2864
Al 308.215	134693	135094	135860
As 188.980	419.324	416.924	418.041
B 249.678	249.332	248.352	245.526
Ba 389.178	5712.58	5714.09	5709.51
Be 313.042	72.3284	72.3388	72.2068
Ca 370.602	111033	111059	111160
Cd 226.502	72.5013	73.8069	72.4568
Co 228.615	197.117	200.633	197.761
Cr 267.716	571.666	571.003	574.108
Cu 324.754	840.914	826.833	834.288
Fe 271.441	488624	487533	487818
K 766.491	19055.2	18979.0	18887.1
Mg 279.078	25067.3	25116.2	25094.5
Mn 257.610	25552.4	25623.7	24800.2
Mo 202.032	168.015	166.451	166.672
Na 330.237	5117.03	5368.75	5309.70
Ni 231.604	285.997	286.109	286.731
Pb 220.353	14066.1	14154.9	14153.7
Sb 206.834	38.9273	34.9217	27.8699
Se 196.026	95.9922	97.3085	103.615
Sn 189.925	340.457	343.465	333.676
Sr 216.596	1129.79	1130.86	1134.96
Ti 334.941	1872.65	1870.96	1871.60
Tl 190.794	71.2888	71.4641	73.1764
V 292.401	759.897	759.305	758.907
Zn 206.200	9267.29	9355.11	9312.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.3215	ppb	0.2184	1.8	772.283
Al 308.215	135216	ppb	593.117	0.4	261890
As 188.980	418.096	ppb	1.2009	0.3	166.503
B 249.678	247.737	ppb	1.9763	0.8	2612.52
Ba 389.178	5712.06	ppb	2.3322	0.0	104732
Be 313.042	72.2913	ppb	0.0734	0.1	111249
Ca 370.602	111084	ppb	67.28	0.1	233970
Cd 226.502	72.9217	ppb	0.7670	1.1	3779.80
Co 228.615	198.504	ppb	1.8719	0.9	1728.04
Cr 267.716	572.259	ppb	1.6354	0.3	15870.1
Cu 324.754	834.012	ppb	7.0447	0.8	39144.2
Fe 271.441	487991	ppb	566.225	0.1	708275
K 766.491	18973.8	ppb	84.1741	0.4	516166
Mg 279.078	25092.7	ppb	24.5097	0.1	45207.0
Mn 257.610	25325.4	ppb	456.268	1.8	5234208
Mo 202.032	167.046	ppb	0.8462	0.5	1040.00
Na 330.237	5265.16	ppb	131.638	2.5	88.6307
Ni 231.604	286.279	ppb	0.3958	0.1	661.398
Pb 220.353	14124.9	ppb	50.9157	0.4	18291.7
Sb 206.834	33.9063	ppb	5.5982	16.5	43.6955
Se 196.026	98.9718	ppb	4.0743	4.1	60.1962
Sn 189.925	339.199	ppb	5.0145	1.5	207.527
Sr 216.596	1131.87	ppb	2.7267	0.2	9809.66
Ti 334.941	1871.74	ppb	0.8521	0.0	407632
Tl 190.794	71.9765	ppb	1.0429	1.4	-2.0085
V 292.401	759.370	ppb	0.4984	0.1	17461.8
Zn 206.200	9311.65	ppb	43.9157	0.5	8710.87

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89459-b-12-c msd (Samp) 4/25/2013, 8:14:29 AM Rack 4, Tube 10**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	12.9548	13.5399	12.6933
Al 308.215	133200	134103	135254
As 188.980	465.639	450.347	463.183
B 249.678	292.882	294.384	293.326
Ba 389.178	4849.90	4853.57	4861.16
Be 313.042	73.3843	73.4967	73.5059
Ca 370.602	123240	123441	123429
Cd 226.502	72.6182	72.8102	72.1300
Co 228.615	205.975	204.628	203.520
Cr 267.716	614.543	617.244	620.734
Cu 324.754	861.331	858.563	847.518
Fe 271.441	549412	550241	548880
K 766.491	20151.5	20184.5	20194.3
Mg 279.078	29714.0	29801.7	29749.7
Mn 257.610	30302.3x	30311.5x	30320.6x
Mo 202.032	125.854	125.847	127.309
Na 330.237	5983.34	5649.71	5784.17
Ni 231.604	287.443	288.565	288.785
Pb 220.353	2726.45	2733.73	2758.21
Sb 206.834	44.0650	44.3463	42.0825
Se 196.026	87.4141	102.452	101.227
Sn 189.925	445.490	446.165	450.553
Sr 216.596	1077.30	1081.64	1082.48
Ti 334.941	1905.69	1911.78	1914.34
Tl 190.794	83.7001	83.3585	83.5533
V 292.401	846.321	845.300	844.517
Zn 206.200	8879.88	8907.86	8861.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.0627b	ppb	0.4335	3.3	835.105
Al 308.215	134186b	ppb	1029.47	0.8	259892
As 188.980	459.723b	ppb	8.2121	1.8	184.217
B 249.678	293.531b	ppb	0.7714	0.3	3037.96
Ba 389.178	4854.88b	ppb	5.7440	0.1	89178.8
Be 313.042	73.4623b	ppb	0.0677	0.1	113063
Ca 370.602	123370b	ppb	112.4	0.1	259441
Cd 226.502	72.5195b	ppb	0.3507	0.5	3958.46
Co 228.615	204.707b	ppb	1.2293	0.6	1781.79
Cr 267.716	617.507b	ppb	3.1038	0.5	17137.3
Cu 324.754	855.804b	ppb	7.3085	0.9	40174.8
Fe 271.441	549511b	ppb	686.217	0.1	797559
K 766.491	20176.8b	ppb	22.4009	0.1	548880
Mg 279.078	29755.1b	ppb	44.1174	0.1	53598.9
Mn 257.610	30311.5xb	ppb	9.1465	0.0	6264609
Mo 202.032	126.337b	ppb	0.8422	0.7	783.391
Na 330.237	5805.74b	ppb	167.858	2.9	98.0767
Ni 231.604	288.264b	ppb	0.7197	0.2	667.087
Pb 220.353	2739.46b	ppb	16.6412	0.6	3576.54
Sb 206.834	43.4979b	ppb	1.2339	2.8	54.5132
Se 196.026	97.0310b	ppb	8.3509	8.6	60.7487
Sn 189.925	447.403b	ppb	2.7492	0.6	276.313
Sr 216.596	1080.48b	ppb	2.7807	0.3	9394.27
Ti 334.941	1910.60b	ppb	4.4404	0.2	416116
Tl 190.794	83.5373b	ppb	0.1714	0.2	-1.0387
V 292.401	845.379b	ppb	0.9047	0.1	19449.3
Zn 206.200	8883.09b	ppb	23.3290	0.3	8309.95

680-89459-b-16-a (Samp) 4/25/2013, 8:20:07 AM Rack 4, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6583	0.5039	0.2080u
Al 308.215	121727	122882	122530
As 188.980	319.277	324.291	314.157
B 249.678	19.2090u	18.6605u	17.8678u
Ba 389.178	1760.74	1760.33	1763.78
Be 313.042	13.9825	13.9702	13.9657
Ca 370.602	139959	140185	140238
Cd 226.502	10.2731	9.5533	9.7916
Co 228.615	110.915	110.408	109.778
Cr 267.716	364.988	367.945	366.845
Cu 324.754	1120.50	1112.79	1139.94
Fe 271.441	390454	390546	390272
K 766.491	9784.57	9786.96	9771.46
Mg 279.078	44761.8	44844.3	44823.0
Mn 257.610	11057.1	11038.6	11023.0
Mo 202.032	25.1145	23.1678	24.3928
Na 330.237	95.9070u	-144.485u	-118.625u
Ni 231.604	196.581	197.267	195.007
Pb 220.353	2378.25	2379.62	2384.46
Sb 206.834	15.4364	17.6681	15.6071
Se 196.026	-0.0082	16.9860	3.9772
Sn 189.925	167.553	167.203	167.819
Sr 216.596	395.350	396.733	396.940
Ti 334.941	1312.53	1315.55	1317.17
Tl 190.794	14.0021u	15.3924u	5.9821u
V 292.401	401.278	402.044	402.161
Zn 206.200	4646.20	4606.59	4629.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4567	ppb	0.2288	50.1	-20.9933
Al 308.215	122380	ppb	592.195	0.5	237022
As 188.980	319.242	ppb	5.0672	1.6	124.790
B 249.678	18.5791	ppb	0.6743	3.6	261.132
Ba 389.178	1761.62	ppb	1.8847	0.1	32622.9
Be 313.042	13.9728	ppb	0.0087	0.1	21273.8
Ca 370.602	140127	ppb	148.0	0.1	308206
Cd 226.502	9.8727	ppb	0.3667	3.7	1556.58
Co 228.615	110.367	ppb	0.5697	0.5	961.626
Cr 267.716	366.593	ppb	1.4946	0.4	10155.1
Cu 324.754	1124.41	ppb	13.9924	1.2	52650.2
Fe 271.441	390424	ppb	139.537	0.0	566663
K 766.491	9781.00	ppb	8.3474	0.1	266177
Mg 279.078	44809.7	ppb	42.8598	0.1	81128.3
Mn 257.610	11039.6	ppb	17.0286	0.2	2282279
Mo 202.032	24.2251	ppb	0.9841	4.1	154.256
Na 330.237	-55.7341	ppb	131.960	236.8	-67.4223
Ni 231.604	196.285	ppb	1.1589	0.6	452.147
Pb 220.353	2380.77	ppb	3.2618	0.1	3110.22
Sb 206.834	16.2372	ppb	1.2421	7.6	25.1895
Se 196.026	6.9850	ppb	8.8874	127.2	16.8177
Sn 189.925	167.525	ppb	0.3088	0.2	98.4067
Sr 216.596	396.341	ppb	0.8644	0.2	3528.11
Ti 334.941	1315.08	ppb	2.3536	0.2	286496
Tl 190.794	11.7922	ppb	5.0795	43.1	-30.3474
V 292.401	401.827	ppb	0.4797	0.1	9248.73
Zn 206.200	4627.42	ppb	19.8857	0.4	4330.07

680-89459-b-30-a (Samp) **4/25/2013, 8:25:45 AM** **Rack 4, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.8987	2.1144	0.5397
Al 308.215	118838	118827	119115
As 188.980	633.227	635.970	628.344
B 249.678	-16.7196u	-16.4151u	-17.5366u
Ba 389.178	3855.17	3853.60	3851.38
Be 313.042	15.9488	15.9093	15.9550
Ca 370.602	135520	135544	135724
Cd 226.502	11.4972	11.4660	11.7765
Co 228.615	164.403	164.022	169.216
Cr 267.716	647.299	648.292	649.374
Cu 324.754	717.795	715.701	726.069
Fe 271.441	628334	631191	632390
K 766.491	11032.7	10984.6	11036.7
Mg 279.078	32612.0	32565.1	32592.3
Mn 257.610	22262.0	22178.6	22350.4
Mo 202.032	22.8478	23.0391	24.2263
Na 330.237	-284.179u	-356.864u	-548.982u
Ni 231.604	184.004	181.127	180.238
Pb 220.353	3499.34	3481.99	3488.71
Sb 206.834	12.5495	7.6475	2.1094
Se 196.026	-9.5912	-0.1064	2.1119
Sn 189.925	116.636	116.736	108.953
Sr 216.596	354.026	353.025	353.106
Ti 334.941	1577.73	1577.76	1580.98
Tl 190.794	24.5553u	25.7947u	26.2560u
V 292.401	662.484	660.782	662.815
Zn 206.200	7284.44	7238.90	7268.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5176	ppb	0.8537	56.3	64.5189
Al 308.215	118927	ppb	163.197	0.1	230331
As 188.980	632.514	ppb	3.8626	0.6	256.604
B 249.678	-16.8904	ppb	0.5799	3.4	-376.149
Ba 389.178	3853.38	ppb	1.9066	0.0	71011.8
Be 313.042	15.9377	ppb	0.0248	0.2	24290.3
Ca 370.602	135596	ppb	111.7	0.1	283214
Cd 226.502	11.5799	ppb	0.1709	1.5	2359.76
Co 228.615	165.880	ppb	2.8952	1.7	1440.78
Cr 267.716	648.321	ppb	1.0380	0.2	17978.5
Cu 324.754	719.855	ppb	5.4827	0.8	33860.7
Fe 271.441	630638	ppb	2083.92	0.3	915291
K 766.491	11018.0	ppb	28.9795	0.3	299816
Mg 279.078	32589.8	ppb	23.5802	0.1	58863.7
Mn 257.610	22263.6	ppb	85.9330	0.4	4601957
Mo 202.032	23.3711	ppb	0.7468	3.2	138.140
Na 330.237	-396.675	ppb	136.817	34.5	-152.356
Ni 231.604	181.790	ppb	1.9683	1.1	423.113
Pb 220.353	3490.01	ppb	8.7489	0.3	4545.76
Sb 206.834	7.4355	ppb	5.2233	70.2	24.7120
Se 196.026	-2.5286	ppb	6.2162	245.8	16.3634
Sn 189.925	114.108	ppb	4.4650	3.9	64.4437
Sr 216.596	353.385	ppb	0.5560	0.2	3240.13
Ti 334.941	1578.82	ppb	1.8688	0.1	343896
Tl 190.794	25.5353	ppb	0.8795	3.4	-42.6365
V 292.401	662.027	ppb	1.0907	0.2	15234.7
Zn 206.200	7263.89	ppb	23.0990	0.3	6795.44

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Cont Calib Verif (CCV) 4/25/2013, 8:31:23 AM Rack 4, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	505.439	487.298	506.640
Al 308.215	5101.88	4878.05	5129.75
As 188.980	504.700	482.334	508.549
B 249.678	512.282	495.519	519.774
Ba 389.178	5195.41	4966.99	5206.30
Be 313.042	552.659	527.295	551.945
Ca 370.602	5125	4921	5145
Cd 226.502	539.321	515.793	540.610
Co 228.615	541.837	519.582	543.594
Cr 267.716	5312.15	5077.68	5326.86
Cu 324.754	5329.67	5114.57	5278.80
Fe 271.441	5204.67	4970.98	5203.26
K 766.491	10546.1	10188.0	10555.8
Mg 279.078	5291.28	5068.98	5288.10
Mn 257.610	5429.05	5182.99	5405.98
Mo 202.032	508.181	486.993	511.136
Na 330.237	7634.20	7453.99	8137.63
Ni 231.604	2714.85	2607.59	2722.39
Pb 220.353	513.590	485.827	505.611
Sb 206.834	980.607	930.654	983.886
Se 196.026	5321.40	5069.99	5300.84
Sn 189.925	5207.03	4916.69	5158.08
Sr 216.596	2594.74	2480.62	2594.47
Ti 334.941	512.948	490.430	514.489
Tl 190.794	5199.29	4995.26	5184.19
V 292.401	5162.38	4939.16	5166.31
Zn 206.200	2747.92	2631.90	2731.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.792	ppb	10.8369	2.2	32619.0	99.95849
Al 308.215	5036.56	ppb	137.983	2.7	9715.32	100.73121
As 188.980	498.527	ppb	14.1553	2.8	196.703	99.70547
B 249.678	509.191	ppb	12.4193	2.4	5931.58	20.36766Q
Ba 389.178	5122.90	ppb	135.136	2.6	93416.6	102.45803
Be 313.042	543.966	ppb	14.4423	2.7	839131	108.79327
Ca 370.602	5063	ppb	123.9	2.4	11876	101.26678
Cd 226.502	531.908	ppb	13.9707	2.6	16228.4	106.38158
Co 228.615	535.005	ppb	13.3850	2.5	4619.85	107.00092
Cr 267.716	5238.90	ppb	139.809	2.7	144335	104.77794
Cu 324.754	5241.01	ppb	112.420	2.1	244359	104.82024
Fe 271.441	5126.30	ppb	134.514	2.6	7579.04	102.52609
K 766.491	10430.0	ppb	209.587	2.0	283825	104.29964
Mg 279.078	5216.12	ppb	127.436	2.4	9413.10	104.32242
Mn 257.610	5339.34	ppb	135.892	2.5	1103323	106.78680
Mo 202.032	502.103	ppb	13.1694	2.6	3143.06	100.42068
Na 330.237	7741.94	ppb	354.328	4.6	342.382	103.22587
Ni 231.604	2681.61	ppb	64.2160	2.4	6174.42	107.26444
Pb 220.353	501.676	ppb	14.2938	2.8	681.753	100.33519
Sb 206.834	965.049	ppb	29.8322	3.1	916.709	96.50488
Se 196.026	5230.74	ppb	139.598	2.7	2273.07	104.61486
Sn 189.925	5093.93	ppb	155.436	3.1	3230.01	101.87857
Sr 216.596	2556.61	ppb	65.8112	2.6	21724.3	102.26433
Ti 334.941	505.956	ppb	13.4673	2.7	110150	101.19112
Tl 190.794	5126.25	ppb	113.691	2.2	4210.99	102.52493
V 292.401	5089.28	ppb	130.023	2.6	116936	101.78568
Zn 206.200	2703.64	ppb	62.6915	2.3	2521.74	108.14555

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Cont Calib Blank (CCB) 4/25/2013, 8:37:00 AM Rack 4, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0587	0.3345	0.0059
Al 308.215	-2.0754u	-0.4018u	-2.2891u
As 188.980	7.9838	-0.8034u	4.0673
B 249.678	-23.5439u	-24.1843u	-24.6016u
Ba 389.178	1.6520	0.0347	1.0538
Be 313.042	-0.0014u	-0.0158u	-0.0096u
Ca 370.602	5.055	9.684	8.819
Cd 226.502	-0.0191u	-0.0984u	-0.2085u
Co 228.615	0.0183	0.1037	1.0951
Cr 267.716	-0.1195u	0.3947	0.1161
Cu 324.754	0.0880	-0.1379u	-0.1220u
Fe 271.441	-2.9754u	-2.5265u	6.7430
K 766.491	-0.7487u	0.4049	0.5244
Mg 279.078	1.6527	-1.6598u	-1.5724u
Mn 257.610	-0.0238u	-0.0064u	0.0093
Mo 202.032	-0.6258u	-0.6432u	-0.7624u
Na 330.237	-268.954u	-238.942u	-54.5069u
Ni 231.604	0.8811	1.3711	2.7348
Pb 220.353	-1.5910u	-3.5376u	1.4007
Sb 206.834	1.0021	1.3838	-4.4398u
Se 196.026	-0.2836u	5.5270	-2.3225u
Sn 189.925	-0.8042u	-1.0531u	-1.5547u
Sr 216.596	-0.2432u	0.0874	0.3298
Ti 334.941	-0.0293u	-0.0160u	-0.0446u
Tl 190.794	-2.7605u	-3.2320u	-3.3348u
V 292.401	-0.3835u	-0.4745u	-0.0672u
Zn 206.200	-1.5164u	-1.0927u	-2.5115u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1331	ppb	0.1765	132.6	-20.3041	0.13305
Al 308.215	-1.5888	ppb	1.0335	65.1	-35.8514	-1.58875
As 188.980	3.7492	ppb	4.4022	117.4	-8.9294	3.74924
B 249.678	-24.1100	ppb	0.5328	2.2	221.435	-24.10997
Ba 389.178	0.9135	ppb	0.8177	89.5	-15.1151	0.91349
Be 313.042	-0.0090	ppb	0.0072	80.8	-331.356	-0.00896
Ca 370.602	7.853	ppb	2.461	31.3	15.62	7.85276
Cd 226.502	-0.1087	ppb	0.0951	87.5	31.5506	-0.10868
Co 228.615	0.4057	ppb	0.5985	147.5	-3.8692	0.40568
Cr 267.716	0.1304	ppb	0.2574	197.4	-24.4028	0.13042
Cu 324.754	-0.0573	ppb	0.1261	220.0	141.954	-0.05733
Fe 271.441	0.4137	ppb	5.4859	1326.1	28.7702	0.41369
K 766.491	0.0602	ppb	0.7031	1167.6	194.005	0.06022
Mg 279.078	-0.5265	ppb	1.8878	358.5	32.1611	-0.52651
Mn 257.610	-0.0070	ppb	0.0166	237.2	48.5692	-0.00698
Mo 202.032	-0.6771	ppb	0.0743	11.0	16.4834	-0.67713
Na 330.237	-187.468	ppb	116.121	61.9	51.0830	-187.46762
Ni 231.604	1.6623	ppb	0.9606	57.8	-3.6709	1.66234
Pb 220.353	-1.2427	ppb	2.4875	200.2	31.7644	-1.24266
Sb 206.834	-0.6846	ppb	3.2577	475.8	-1.2378	-0.68463
Se 196.026	0.9736	ppb	4.0730	418.3	9.8255	0.97363
Sn 189.925	-1.1373	ppb	0.3822	33.6	-8.8469	-1.13734
Sr 216.596	0.0580	ppb	0.2876	496.0	22.2729	0.05798
Ti 334.941	-0.0300	ppb	0.0143	47.7	-34.2195	-0.02996
Tl 190.794	-3.1091	ppb	0.3063	9.9	-12.9427	-3.10909
V 292.401	-0.3084	ppb	0.2138	69.3	-13.7947	-0.30836
Zn 206.200	-1.7069	ppb	0.7283	42.7	51.51044	-1.70687

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680-89459-a-33-a (Samp) 4/25/2013, 8:42:38 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.9000	1.0724	0.6116
Al 308.215	148593	149207	149649
As 188.980	322.163	326.250	320.353
B 249.678	32.4056u	32.1794u	32.2591u
Ba 389.178	2346.76	2353.42	2356.35
Be 313.042	16.6743	16.7367	16.8014
Ca 370.602	201335	201094	201611
Cd 226.502	11.6660	12.0137	12.1923
Co 228.615	111.891	110.594	111.106
Cr 267.716	425.780	428.268	429.182
Cu 324.754	1220.01	1233.91	1235.84
Fe 271.441	372565	373624	374872
K 766.491	12612.5	12691.3	12752.3
Mg 279.078	59481.7	59556.3	59665.1
Mn 257.610	12247.7	12272.1	12274.5
Mo 202.032	22.9337	23.9363	22.5658
Na 330.237	-84.9543u	257.164u	-71.1709u
Ni 231.604	192.288	195.698	194.436
Pb 220.353	4119.60	4126.92	4144.78
Sb 206.834	6.7766	0.8065	11.1192
Se 196.026	10.2485	-6.4756	13.7258
Sn 189.925	159.816	145.989	149.261
Sr 216.596	547.574	545.792	549.230
Ti 334.941	1420.22	1424.61	1431.54
Tl 190.794	20.7412u	11.2110u	10.5083u
V 292.401	425.772	426.256	428.813
Zn 206.200	5208.87	5201.32	5212.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1947	ppb	0.6528	54.6	28.4746
Al 308.215	149150	ppb	530.169	0.4	288876
As 188.980	322.922	ppb	3.0212	0.9	126.209
B 249.678	32.2814	ppb	0.1147	0.4	426.119
Ba 389.178	2352.18	ppb	4.9148	0.2	43403.9
Be 313.042	16.7375	ppb	0.0635	0.4	25559.2
Ca 370.602	201346	ppb	258.7	0.1	454068
Cd 226.502	11.9574	ppb	0.2676	2.2	1567.19
Co 228.615	111.197	ppb	0.6534	0.6	971.545
Cr 267.716	427.743	ppb	1.7606	0.4	11841.2
Cu 324.754	1229.92	ppb	8.6370	0.7	57562.4
Fe 271.441	373687	ppb	1154.59	0.3	542373
K 766.491	12685.4	ppb	70.1077	0.6	345158
Mg 279.078	59567.7	ppb	92.2074	0.2	107851
Mn 257.610	12264.7	ppb	14.8307	0.1	2535460
Mo 202.032	23.1453	ppb	0.7093	3.1	148.213
Na 330.237	33.6797	ppb	193.666	575.0	-64.0066
Ni 231.604	194.140	ppb	1.7243	0.9	446.903
Pb 220.353	4130.43	ppb	12.9528	0.3	5371.53
Sb 206.834	6.2341	ppb	5.1777	83.1	16.3655
Se 196.026	5.8329	ppb	10.8004	185.2	16.4974
Sn 189.925	151.689	ppb	7.2260	4.8	88.3600
Sr 216.596	547.532	ppb	1.7198	0.3	4813.95
Ti 334.941	1425.46	ppb	5.7072	0.4	310579
Tl 190.794	14.1535	ppb	5.7159	40.4	-29.1524
V 292.401	426.947	ppb	1.6338	0.4	9826.18
Zn 206.200	5207.44	ppb	5.5456	0.1	4872.45

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.0627	4.6936	5.0221
Al 308.215	149394	149620	148376
As 188.980	400.886	397.554	383.888
B 249.678	55.1325u	55.1818u	57.5621u
Ba 389.178	5037.25	5054.41	5053.12
Be 313.042	21.8908	21.9029	21.8606
Ca 370.602	142718	143081	142624
Cd 226.502	23.2789	23.0260	23.8109
Co 228.615	142.340	141.947	144.726
Cr 267.716	619.780	621.252	616.736
Cu 324.754	837.931	850.318	848.307
Fe 271.441	602709	603509	604248
K 766.491	18275.5	18290.0	18249.7
Mg 279.078	27040.6	27062.1	27093.8
Mn 257.610	24028.9	23925.7	23952.3
Mo 202.032	34.5876	35.1947	34.9544
Na 330.237	-146.433u	-84.6475u	80.8608u
Ni 231.604	211.008	209.571	209.326
Pb 220.353	3273.88	3267.40	3255.19
Sb 206.834	12.5920	23.1469	6.6093
Se 196.026	-6.5499	-0.1449	1.5452
Sn 189.925	202.261	201.428	204.610
Sr 216.596	1198.78	1199.85	1196.03
Ti 334.941	2098.70	2104.31	2097.32
Tl 190.794	37.0303u	29.6996u	40.4415u
V 292.401	770.984	772.619	773.046
Zn 206.200	10234.9	10209.7	10218.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5928	ppb	0.4876	10.6	243.285
Al 308.215	149130	ppb	662.644	0.4	288837
As 188.980	394.109	ppb	9.0074	2.3	157.313
B 249.678	55.9588	ppb	1.3887	2.5	433.775
Ba 389.178	5048.26	ppb	9.5555	0.2	92759.9
Be 313.042	21.8848	ppb	0.0218	0.1	33469.6
Ca 370.602	142808	ppb	241.6	0.2	302028
Cd 226.502	23.3719	ppb	0.4007	1.7	2633.17
Co 228.615	143.004	ppb	1.5043	1.1	1253.69
Cr 267.716	619.256	ppb	2.3030	0.4	17178.0
Cu 324.754	845.519	ppb	6.6474	0.8	39708.8
Fe 271.441	603489	ppb	769.958	0.1	875888
K 766.491	18271.7	ppb	20.4378	0.1	497074
Mg 279.078	27065.5	ppb	26.7383	0.1	48816.2
Mn 257.610	23969.0	ppb	53.5800	0.2	4954223
Mo 202.032	34.9122	ppb	0.3057	0.9	211.099
Na 330.237	-50.0733	ppb	117.525	234.7	-152.552
Ni 231.604	209.968	ppb	0.9084	0.4	487.588
Pb 220.353	3265.49	ppb	9.4913	0.3	4255.21
Sb 206.834	14.1161	ppb	8.3735	59.3	29.8407
Se 196.026	-1.7165	ppb	4.2703	248.8	16.9435
Sn 189.925	202.766	ppb	1.6505	0.8	120.805
Sr 216.596	1198.22	ppb	1.9689	0.2	10418.8
Ti 334.941	2100.11	ppb	3.7028	0.2	457373
Tl 190.794	35.7238	ppb	5.4889	15.4	-35.1102
V 292.401	772.216	ppb	1.0884	0.1	17780.5
Zn 206.200	10221.1	ppb	12.7750	0.1	9561.39

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680-89459-a-35-a (Samp) 4/25/2013, 8:53:54 AM Rack 4, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.6587	2.4696	2.6143
Al 308.215	113398	112761	112888
As 188.980	416.290	419.335	421.303
B 249.678	-4.4407u	-6.4597u	-6.2266u
Ba 389.178	2935.02	2936.68	2932.10
Be 313.042	13.7642	13.7497	13.7359
Ca 370.602	113116	112893	112870
Cd 226.502	13.8468	14.0605	13.7501
Co 228.615	155.175	157.860	154.953
Cr 267.716	554.922	553.058	552.893
Cu 324.754	808.607	813.257	822.902
Fe 271.441	513017	511166	512045
K 766.491	11309.9	11285.9	11324.6
Mg 279.078	34663.7	34586.6	34546.9
Mn 257.610	17324.2	17308.8	17290.9
Mo 202.032	19.5325	19.5350	19.7438
Na 330.237	-448.615u	-687.028u	-461.517u
Ni 231.604	208.129	208.802	205.870
Pb 220.353	4413.93	4407.93	4386.93
Sb 206.834	9.5532	6.6956	3.0690
Se 196.026	9.6291	0.0180	3.8539
Sn 189.925	160.802	159.194	148.774
Sr 216.596	373.516	370.467	369.528
Ti 334.941	1572.94	1569.80	1571.89
Tl 190.794	16.7481u	25.0627u	21.0848u
V 292.401	454.532	454.740	453.761
Zn 206.200	8090.16	8097.78	8088.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.5809	ppb	0.0989	3.8	128.258
Al 308.215	113016	ppb	337.302	0.3	218882
As 188.980	418.976	ppb	2.5259	0.6	167.051
B 249.678	-5.7090	ppb	1.1046	19.3	-129.089
Ba 389.178	2934.60	ppb	2.3195	0.1	54127.9
Be 313.042	13.7499	ppb	0.0142	0.1	20916.3
Ca 370.602	112960	ppb	135.9	0.1	236766
Cd 226.502	13.8858	ppb	0.1589	1.1	2058.17
Co 228.615	155.996	ppb	1.6181	1.0	1358.15
Cr 267.716	553.624	ppb	1.1269	0.2	15341.4
Cu 324.754	814.922	ppb	7.2913	0.9	38260.1
Fe 271.441	512076	ppb	925.839	0.2	743221
K 766.491	11306.8	ppb	19.5423	0.2	307670
Mg 279.078	34599.1	ppb	59.3803	0.2	62556.5
Mn 257.610	17307.9	ppb	16.6918	0.1	3577714
Mo 202.032	19.6038	ppb	0.1213	0.6	120.116
Na 330.237	-532.386	ppb	134.079	25.2	-135.195
Ni 231.604	207.600	ppb	1.5360	0.7	480.445
Pb 220.353	4402.93	ppb	14.1775	0.3	5724.98
Sb 206.834	6.4393	ppb	3.2497	50.5	20.5425
Se 196.026	4.5003	ppb	4.8380	107.5	17.7217
Sn 189.925	156.257	ppb	6.5297	4.2	91.2319
Sr 216.596	371.170	ppb	2.0853	0.6	3350.94
Ti 334.941	1571.54	ppb	1.6003	0.1	342308
Tl 190.794	20.9652	ppb	4.1586	19.8	-35.4624
V 292.401	454.344	ppb	0.5160	0.1	10453.6
Zn 206.200	8092.15	ppb	4.9497	0.1	7570.30

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89513-b-18-a (Samp) 4/25/2013, 8:59:32 AM Rack 4, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.8165	2.4812	2.1273
Al 308.215	108648	109125	108777
As 188.980	219.012	214.014	219.912
B 249.678	25.0434u	25.0233u	26.2208u
Ba 389.178	2278.07	2283.77	2280.03
Be 313.042	12.6629	12.6685	12.6852
Ca 370.602	276281	277661	278491
Cd 226.502	27.7282	28.0470	28.6047
Co 228.615	102.793	100.261	102.175
Cr 267.716	764.136	767.798	766.011
Cu 324.754	1595.33	1567.71	1599.97
Fe 271.441	485862	485837	485797
K 766.491	12333.7	12363.0	12346.0
Mg 279.078	111183	111189	111173
Mn 257.610	17467.9	17386.1	17466.2
Mo 202.032	44.1514	44.1747	42.5342
Na 330.237	-498.459u	-325.785u	-945.520u
Ni 231.604	380.999	380.910	383.344
Pb 220.353	3937.89	3930.81	3926.30
Sb 206.834	18.4650	19.8490	13.3634
Se 196.026	-7.6816	1.0562	4.3429
Sn 189.925	142.436	141.825	139.415
Sr 216.596	500.826	498.861	498.888
Ti 334.941	1651.36	1655.58	1655.24
Tl 190.794	12.2766u	16.8237u	16.8985u
V 292.401	553.633	553.300	552.522
Zn 206.200	8557.89	8469.29	8533.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8084	ppb	0.8908	31.7	141.113
Al 308.215	108850	ppb	246.800	0.2	210814
As 188.980	217.646	ppb	3.1775	1.5	83.1812
B 249.678	25.4291	ppb	0.6857	2.7	232.116
Ba 389.178	2280.62	ppb	2.8927	0.1	42332.3
Be 313.042	12.6722	ppb	0.0116	0.1	19292.5
Ca 370.602	277478	ppb	1116	0.4	627457
Cd 226.502	28.1266	ppb	0.4437	1.6	2411.78
Co 228.615	101.743	ppb	1.3198	1.3	891.934
Cr 267.716	765.982	ppb	1.8314	0.2	21190.0
Cu 324.754	1587.67	ppb	17.4411	1.1	74265.1
Fe 271.441	485832	ppb	32.5682	0.0	705128
K 766.491	12347.6	ppb	14.7132	0.1	335973
Mg 279.078	111182	ppb	8.0599	0.0	201355
Mn 257.610	17440.1	ppb	46.7253	0.3	3605353
Mo 202.032	43.6201	ppb	0.9405	2.2	270.816
Na 330.237	-589.921	ppb	319.831	54.2	-134.516
Ni 231.604	381.751	ppb	1.3803	0.4	881.440
Pb 220.353	3931.67	ppb	5.8438	0.1	5115.88
Sb 206.834	17.2258	ppb	3.4158	19.8	31.3810
Se 196.026	-0.7608	ppb	6.2148	816.8	15.3433
Sn 189.925	141.225	ppb	1.5977	1.1	81.7310
Sr 216.596	499.525	ppb	1.1268	0.2	4445.09
Ti 334.941	1654.06	ppb	2.3430	0.1	360543
Tl 190.794	15.3329	ppb	2.6471	17.3	-39.1716
V 292.401	553.152	ppb	0.5703	0.1	12717.6
Zn 206.200	8520.32	ppb	45.8103	0.5	7070.37

680-89513-b-19-a (Samp) 4/25/2013, 9:05:10 AM Rack 4, Tube 19
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0170u	-0.0746u	0.0229u
Al 308.215	162867	163282	161377
As 188.980	402.094	394.306	395.126
B 249.678	-49.2960u	-49.4397u	-46.9268u
Ba 389.178	1580.87	1583.31	1585.17
Be 313.042	22.0206	22.0741	22.0403
Ca 370.602	55865	55929	55916
Cd 226.502	0.8665	1.0781	1.7034
Co 228.615	178.093	181.853	180.137
Cr 267.716	973.577	974.700	965.209
Cu 324.754	425.770	427.329	427.406
Fe 271.441	745590	745590	744979
K 766.491	6595.14	6596.45	6596.10
Mg 279.078	15306.7	15334.1	15329.9
Mn 257.610	11631.9	11633.3	11638.0
Mo 202.032	29.1428	29.0624	29.2552
Na 330.237	556.631u	486.473u	471.059u
Ni 231.604	149.352	149.921	147.246
Pb 220.353	1436.09	1420.46	1412.64
Sb 206.834	13.9216	22.3626	9.2011
Se 196.026	1.4828	-9.4231	-3.2088
Sn 189.925	90.4967	87.6981	97.4839
Sr 216.596	295.345	294.883	290.110
Ti 334.941	1171.68	1173.13	1168.63
Tl 190.794	0.5023u	1.7759u	6.7026u
V 292.401	1243.35	1244.33	1245.11
Zn 206.200	3447.68	3443.65	3468.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0229	ppb	0.0490	213.9	-87.9966
Al 308.215	162509	ppb	1001.53	0.6	314748
As 188.980	397.176	ppb	4.2794	1.1	159.522
B 249.678	-48.5542	ppb	1.4112	2.9	-838.208
Ba 389.178	1583.12	ppb	2.1556	0.1	29704.9
Be 313.042	22.0450	ppb	0.0270	0.1	33682.0
Ca 370.602	55903	ppb	33.56	0.1	87509
Cd 226.502	1.2160	ppb	0.4351	35.8	2402.87
Co 228.615	180.027	ppb	1.8826	1.0	1552.71
Cr 267.716	971.162	ppb	5.1857	0.5	26861.5
Cu 324.754	426.835	ppb	0.9229	0.2	20231.5
Fe 271.441	745387	ppb	352.653	0.0	1081830
K 766.491	6595.90	ppb	0.6785	0.0	179561
Mg 279.078	15323.5	ppb	14.7636	0.1	27723.0
Mn 257.610	11634.4	ppb	3.2384	0.0	2405897
Mo 202.032	29.1534	ppb	0.0968	0.3	168.303
Na 330.237	504.721	ppb	45.6113	9.0	-119.172
Ni 231.604	148.840	ppb	1.4092	0.9	349.256
Pb 220.353	1423.06	ppb	11.9382	0.8	1871.95
Sb 206.834	15.1618	ppb	6.6678	44.0	36.9228
Se 196.026	-3.7164	ppb	5.4707	147.2	14.1397
Sn 189.925	91.8929	ppb	5.0401	5.5	50.2934
Sr 216.596	293.446	ppb	2.8982	1.0	2761.01
Ti 334.941	1171.14	ppb	2.2977	0.2	255086
Tl 190.794	2.9936	ppb	3.2746	109.4	-52.9887
V 292.401	1244.26	ppb	0.8833	0.1	28629.9
Zn 206.200	3453.30	ppb	13.3695	0.4	3230.79

680-89513-b-23-a (Samp) 4/25/2013, 9:10:48 AM Rack 4, Tube 20
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	5.9400	5.9843	5.3454
Al 308.215	146041	145660	149761
As 188.980	273.259	270.571	280.283
B 249.678	17.5348u	18.4751u	18.6460u
Ba 389.178	4299.26	4308.00	4439.74
Be 313.042	19.9854	20.0097	20.6448
Ca 370.602	85545	85685	87810
Cd 226.502	21.3773	21.4545	24.2967
Co 228.615	139.568	138.405	142.850
Cr 267.716	652.832	655.184	674.717
Cu 324.754	1064.99	1043.88	1081.26
Fe 271.441	518132	516427	533374
K 766.491	10280.6	10285.1	10550.5
Mg 279.078	18235.7	18250.2	18852.2
Mn 257.610	19125.2	19211.8	19799.7
Mo 202.032	28.3127	27.6323	29.3682
Na 330.237	-447.707u	-525.705u	-820.551u
Ni 231.604	223.394	223.181	227.644
Pb 220.353	4679.53	4669.23	4818.77
Sb 206.834	17.4705	12.0063	21.6426
Se 196.026	7.6172	-10.7396	4.2683
Sn 189.925	205.438	211.189	217.170
Sr 216.596	739.407	738.018	763.404
Ti 334.941	2030.98	2075.93	2143.63
Tl 190.794	27.2427u	27.4399u	22.4618u
V 292.401	764.287	766.674	793.348
Zn 206.200	10177.0	10177.7	10534.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.7566	ppb	0.3568	6.2	329.924
Al 308.215	147154	ppb	2265.48	1.5	285008
As 188.980	274.704	ppb	5.0144	1.8	107.145
B 249.678	18.2186	ppb	0.5984	3.3	115.604
Ba 389.178	4349.00	ppb	78.7033	1.8	79900.2
Be 313.042	20.2133	ppb	0.3739	1.8	30877.1
Ca 370.602	86347	ppb	1269	1.5	173272
Cd 226.502	22.3762	ppb	1.6637	7.4	2350.57
Co 228.615	140.274	ppb	2.3049	1.6	1232.22
Cr 267.716	660.911	ppb	12.0139	1.8	18303.6
Cu 324.754	1063.38	ppb	18.7440	1.8	49839.2
Fe 271.441	522644	ppb	9331.17	1.8	758559
K 766.491	10372.1	ppb	154.563	1.5	282251
Mg 279.078	18446.1	ppb	351.833	1.9	33244.8
Mn 257.610	19378.9	ppb	367.003	1.9	4005565
Mo 202.032	28.4377	ppb	0.8747	3.1	174.205
Na 330.237	-597.987	ppb	196.651	32.9	-155.860
Ni 231.604	224.740	ppb	2.5175	1.1	520.168
Pb 220.353	4722.51	ppb	83.5196	1.8	6137.73
Sb 206.834	17.0398	ppb	4.8326	28.4	31.2802
Se 196.026	0.3819	ppb	9.7760	2559.6	16.4443
Sn 189.925	211.266	ppb	5.8665	2.8	126.191
Sr 216.596	746.943	ppb	14.2727	1.9	6548.79
Ti 334.941	2083.51	ppb	56.7092	2.7	453722
Tl 190.794	25.7148	ppb	2.8189	11.0	-34.3922
V 292.401	774.770	ppb	16.1332	2.1	17837.9
Zn 206.200	10296.3	ppb	206.114	2.0	9631.69

680-89513-b-23-b ms (Samp) 4/25/2013, 9:16:25 AM Rack 4, Tube 21

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	43.7602	43.7714	44.2786
Al 308.215	161974	161077	160654
As 188.980	409.480	402.811	417.721
B 249.678	172.215	172.739	174.622
Ba 389.178	4124.82	4124.61	4135.95
Be 313.042	75.2934	75.2701	75.5344
Ca 370.602	292437	290528	289986
Cd 226.502	72.7336	73.6609	74.3720
Co 228.615	197.373	200.332	202.232
Cr 267.716	810.625	804.601	803.762
Cu 324.754	928.948	932.226	930.834
Fe 271.441	580024	578050	581461
K 766.491	17677.2	17696.2	17700.7
Mg 279.078	150551	150492	151075
Mn 257.610	20539.3	20562.3	20642.5
Mo 202.032	118.012	116.950	118.971
Na 330.237	5776.71	5737.42	5657.34
Ni 231.604	290.040	290.526	287.340
Pb 220.353	4429.89	4404.46	4431.55
Sb 206.834	44.2693	40.1579	35.1010
Se 196.026	93.8502	119.129	86.8732
Sn 189.925	334.902	330.781	328.452
Sr 216.596	825.504	823.393	824.587
Ti 334.941	2370.84	2365.98	2366.89
Tl 190.794	56.4520u	57.5056u	53.1072u
V 292.401	987.384	988.397	992.416
Zn 206.200	8670.46	8685.53	8807.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	43.9367	ppb	0.2961	0.7	2821.39
Al 308.215	161235	ppb	673.922	0.4	312287
As 188.980	410.004	ppb	7.4686	1.8	163.749
B 249.678	173.192	ppb	1.2658	0.7	1715.69
Ba 389.178	4128.46	ppb	6.4887	0.2	76216.9
Be 313.042	75.3660	ppb	0.1463	0.2	116046
Ca 370.602	290984	ppb	1287	0.4	653905
Cd 226.502	73.5888	ppb	0.8216	1.1	4087.30
Co 228.615	199.979	ppb	2.4486	1.2	1749.85
Cr 267.716	806.329	ppb	3.7435	0.5	22320.9
Cu 324.754	930.669	ppb	1.6450	0.2	43670.6
Fe 271.441	579845	ppb	1712.83	0.3	841583
K 766.491	17691.4	ppb	12.4732	0.1	481292
Mg 279.078	150706	ppb	320.876	0.2	272950
Mn 257.610	20581.3	ppb	54.1678	0.3	4254850
Mo 202.032	117.978	ppb	1.0114	0.9	729.722
Na 330.237	5723.82	ppb	60.8325	1.1	86.1100
Ni 231.604	289.302	ppb	1.7165	0.6	670.041
Pb 220.353	4421.97	ppb	15.1860	0.3	5749.05
Sb 206.834	39.8427	ppb	4.5923	11.5	53.6141
Se 196.026	99.9509	ppb	16.9713	17.0	60.0642
Sn 189.925	331.379	ppb	3.2665	1.0	202.612
Sr 216.596	824.495	ppb	1.0589	0.1	7240.19
Ti 334.941	2367.90	ppb	2.5869	0.1	516113
Tl 190.794	55.6883	ppb	2.2965	4.1	-13.4696
V 292.401	989.399	ppb	2.6614	0.3	22767.2
Zn 206.200	8721.32	ppb	75.4195	0.8	8158.30

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680-89513-b-23-c msd (Samp) 4/25/2013, 9:22:03 AM Rack 4, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	16.0432	16.2716	16.8743
Al 308.215	165341	164224	166053
As 188.980	377.560	382.676	392.282
B 249.678	286.757	288.511	292.019
Ba 389.178	4420.49	4433.87	4458.57
Be 313.042	76.2118	76.2069	76.7346
Ca 370.602	108546	108536	109308
Cd 226.502	74.1962	74.9567	75.6671
Co 228.615	203.246	205.556	208.896
Cr 267.716	747.621	744.377	752.023
Cu 324.754	1007.21	1009.46	1026.82
Fe 271.441	493556	494220	497872
K 766.491	17311.0	17344.6	17431.5
Mg 279.078	30466.5	30514.9	30760.9
Mn 257.610	23874.4	23977.3	24171.8
Mo 202.032	125.210	125.466	126.333
Na 330.237	5276.76	5621.15	4981.86
Ni 231.604	303.130	304.990	304.655
Pb 220.353	5314.11	5306.95	5384.16
Sb 206.834	42.3810	40.4725	46.1275
Se 196.026	96.9417	96.4830	85.7250
Sn 189.925	1272.38	1270.68	1295.82
Sr 216.596	905.219	905.929	916.351
Ti 334.941	2363.65	2361.20	2377.59
Tl 190.794	73.1893	69.9736	66.0197
V 292.401	849.316	851.238	855.953
Zn 206.200	10054.6	10065.4	10193.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.3964	ppb	0.4294	2.6	1042.33
Al 308.215	165206	ppb	921.938	0.6	319980
As 188.980	384.173	ppb	7.4742	1.9	152.452
B 249.678	289.096	ppb	2.6793	0.9	3048.68
Ba 389.178	4437.64	ppb	19.3192	0.4	81511.1
Be 313.042	76.3844	ppb	0.3033	0.4	117574
Ca 370.602	108797	ppb	442.8	0.4	228200
Cd 226.502	74.9400	ppb	0.7356	1.0	3861.90
Co 228.615	205.899	ppb	2.8407	1.4	1802.32
Cr 267.716	748.007	ppb	3.8376	0.5	20711.3
Cu 324.754	1014.50	ppb	10.7314	1.1	47555.3
Fe 271.441	495216	ppb	2323.91	0.5	718762
K 766.491	17362.3	ppb	62.1575	0.4	472344
Mg 279.078	30580.8	ppb	157.865	0.5	55166.1
Mn 257.610	24007.8	ppb	151.036	0.6	4962007
Mo 202.032	125.670	ppb	0.5888	0.5	781.570
Na 330.237	5293.25	ppb	319.966	6.0	80.7512
Ni 231.604	304.258	ppb	0.9915	0.3	702.976
Pb 220.353	5335.07	ppb	42.6573	0.8	6929.79
Sb 206.834	42.9937	ppb	2.8768	6.7	54.2935
Se 196.026	93.0499	ppb	6.3477	6.8	57.3841
Sn 189.925	1279.63	ppb	14.0532	1.1	805.341
Sr 216.596	909.166	ppb	6.2325	0.7	7917.83
Ti 334.941	2367.48	ppb	8.8380	0.4	515589
Tl 190.794	69.7275	ppb	3.5912	5.2	-2.4936
V 292.401	852.169	ppb	3.4149	0.4	19604.8
Zn 206.200	10104.5	ppb	77.1936	0.8	9452.06

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680-89513-a-26-a (Samp) 4/25/2013, 9:27:41 AM Rack 4, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.0990	3.4073	2.2540
Al 308.215	123771	124415	115908
As 188.980	215.797	204.361	184.149
B 249.678	52.6628	53.6663	48.5429
Ba 389.178	3003.10	3027.48	2795.94
Be 313.042	14.9755	15.0819	13.9283
Ca 370.602	278804	282748	264106
Cd 226.502	31.7208	32.7229	26.1085
Co 228.615	114.992	118.823	108.717
Cr 267.716	853.418	858.050	797.744
Cu 324.754	1806.32	1828.33	1679.27
Fe 271.441	478395	481650	445992
K 766.491	11204.4	11267.5	10401.0
Mg 279.078	105429	106551	98514.3
Mn 257.610	21789.0	21935.9	20357.1
Mo 202.032	42.1096	43.0428	40.3644
Na 330.237	-609.082u	-355.639u	-249.506u
Ni 231.604	286.828	291.229	269.574
Pb 220.353	4874.37	4888.05	4534.37
Sb 206.834	14.2066	16.5822	19.1418
Se 196.026	6.1050	-8.0079	5.4072
Sn 189.925	154.194	152.268	145.955
Sr 216.596	548.357	551.859	512.909
Ti 334.941	2423.23	2439.54	2261.14
Tl 190.794	25.6674u	29.4028u	25.0202u
V 292.401	520.161	523.486	484.823
Zn 206.200	10247.8	10385.3	9564.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9201	ppb	0.5971	20.4	164.923
Al 308.215	121364	ppb	4736.75	3.9	235055
As 188.980	201.435	ppb	16.0254	8.0	76.3238
B 249.678	51.6240	ppb	2.7151	5.3	532.128
Ba 389.178	2942.18	ppb	127.227	4.3	54360.1
Be 313.042	14.6619	ppb	0.6376	4.3	22364.6
Ca 370.602	275219	ppb	9824	3.6	623384
Cd 226.502	30.1840	ppb	3.5649	11.8	2417.98
Co 228.615	114.177	ppb	5.1022	4.5	1013.93
Cr 267.716	836.404	ppb	33.5606	4.0	23139.2
Cu 324.754	1771.31	ppb	80.4612	4.5	82818.5
Fe 271.441	468679	ppb	19715.2	4.2	680236
K 766.491	10957.6	ppb	483.067	4.4	298175
Mg 279.078	103498	ppb	4352.35	4.2	187369
Mn 257.610	21360.7	ppb	872.180	4.1	4415359
Mo 202.032	41.8389	ppb	1.3596	3.2	260.558
Na 330.237	-404.743	ppb	184.749	45.6	-136.303
Ni 231.604	282.544	ppb	11.4459	4.1	652.417
Pb 220.353	4765.60	ppb	200.363	4.2	6193.97
Sb 206.834	16.6435	ppb	2.4682	14.8	31.1025
Se 196.026	1.1681	ppb	7.9543	681.0	16.9329
Sn 189.925	150.805	ppb	4.3097	2.9	87.8202
Sr 216.596	537.709	ppb	21.5483	4.0	4765.25
Ti 334.941	2374.64	ppb	98.6279	4.2	517402
Tl 190.794	26.6968	ppb	2.3657	8.9	-33.7888
V 292.401	509.490	ppb	21.4270	4.2	11717.6
Zn 206.200	10065.8	ppb	439.780	4.4	9415.71

680-89513-a-27-a (Samp) 4/25/2013, 9:33:19 AM Rack 4, Tube 24
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3748u	0.9035	1.1246
Al 308.215	142489	136233	136052
As 188.980	294.896	294.064	293.609
B 249.678	-8.5396u	-8.1447u	-8.7804u
Ba 389.178	2388.92	2292.42	2278.61
Be 313.042	17.0477	16.3214	16.2218
Ca 370.602	110929	106804	106464
Cd 226.502	8.5241	6.8224	6.5641
Co 228.615	138.290	133.066	132.565
Cr 267.716	697.789	671.650	669.671
Cu 324.754	534.101	519.579	507.313
Fe 271.441	448378	430426	428895
K 766.491	8711.27	8343.24	8309.29
Mg 279.078	25796.8	24770.8	24653.7
Mn 257.610	13612.0	13077.5	12966.3
Mo 202.032	18.0592	18.3039	18.7018
Na 330.237	646.572u	848.895u	645.537u
Ni 231.604	139.835	133.479	134.571
Pb 220.353	1918.80	1853.52	1841.81
Sb 206.834	10.8648	7.4611	6.4871
Se 196.026	11.8083	-6.5888	-0.1570
Sn 189.925	259.100	248.794	248.741
Sr 216.596	443.091	425.911	425.770
Ti 334.941	1360.97	1305.90	1299.54
Tl 190.794	14.3549u	12.5127u	12.0396u
V 292.401	767.954	734.852	730.120
Zn 206.200	4480.79	4333.19	4310.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5511	ppb	0.8094	146.9	-11.2346
Al 308.215	138258	ppb	3665.34	2.7	267776
As 188.980	294.190	ppb	0.6530	0.2	114.672
B 249.678	-8.4883	ppb	0.3209	3.8	-76.9978
Ba 389.178	2319.98	ppb	60.0998	2.6	42815.1
Be 313.042	16.5303	ppb	0.4508	2.7	25203.3
Ca 370.602	108066	ppb	2486	2.3	229704
Cd 226.502	7.3035	ppb	1.0649	14.6	1618.58
Co 228.615	134.640	ppb	3.1707	2.4	1171.10
Cr 267.716	679.703	ppb	15.6936	2.3	18793.8
Cu 324.754	520.331	ppb	13.4095	2.6	24507.4
Fe 271.441	435900	ppb	10833.7	2.5	632667
K 766.491	8454.60	ppb	222.931	2.6	230107
Mg 279.078	25073.8	ppb	628.877	2.5	45330.8
Mn 257.610	13218.6	ppb	345.179	2.6	2732518
Mo 202.032	18.3550	ppb	0.3243	1.8	115.161
Na 330.237	713.668	ppb	117.111	16.4	-46.1148
Ni 231.604	135.962	ppb	3.3984	2.5	313.909
Pb 220.353	1871.38	ppb	41.4864	2.2	2451.97
Sb 206.834	8.2710	ppb	2.2985	27.8	21.7940
Se 196.026	1.6875	ppb	9.3362	553.3	15.2279
Sn 189.925	252.212	ppb	5.9655	2.4	152.229
Sr 216.596	431.591	ppb	9.9595	2.3	3840.87
Ti 334.941	1322.13	ppb	33.7823	2.6	287966
Tl 190.794	12.9691	ppb	1.2232	9.4	-33.7579
V 292.401	744.309	ppb	20.6138	2.8	17126.6
Zn 206.200	4374.76	ppb	92.5405	2.1	4093.18

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Verif (CCV) 4/25/2013, 9:47:47 AM Rack 4, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	511.805	511.872	507.348
Al 308.215	5214.99	5199.79	5168.57
As 188.980	522.780	520.625	519.235
B 249.678	524.285	523.605	526.861
Ba 389.178	5198.33	5157.47	5147.30
Be 313.042	558.311	554.033	553.845
Ca 370.602	5178	5141	5117
Cd 226.502	544.651	540.243	537.606
Co 228.615	543.712	540.414	537.347
Cr 267.716	5399.20	5384.58	5359.79
Cu 324.754	5375.20	5354.70	5457.05
Fe 271.441	5237.96	5195.29	5158.26
K 766.491	10638.9	10570.2	10549.6
Mg 279.078	5359.87	5317.62	5300.59
Mn 257.610	5427.94	5401.23	5397.47
Mo 202.032	512.478	510.048	510.222
Na 330.237	7785.89	7694.99	7592.45
Ni 231.604	2753.27	2728.82	2714.86
Pb 220.353	519.079	513.231	511.723
Sb 206.834	986.766	980.644	983.992
Se 196.026	5384.84	5366.37	5329.00
Sn 189.925	5227.03	5169.31	5181.95
Sr 216.596	2614.17	2595.88	2586.99
Ti 334.941	516.243	514.618	512.192
Tl 190.794	5181.49	5152.23	5115.57
V 292.401	5177.24	5138.10	5131.15
Zn 206.200	2772.12	2746.02	2730.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.342	ppb	2.5930	0.5	33309.4	102.06837
Al 308.215	5194.45	ppb	23.6675	0.5	10021.1	103.88902
As 188.980	520.880	ppb	1.7861	0.3	205.994	104.17603
B 249.678	524.917	ppb	1.7178	0.3	6100.05	20.99668Q
Ba 389.178	5167.70	ppb	27.0076	0.5	94234.0	103.35400
Be 313.042	555.396	ppb	2.5259	0.5	856771	111.07925Q
Ca 370.602	5145	ppb	31.02	0.6	12069	102.90535
Cd 226.502	540.833	ppb	3.5595	0.7	16500.0	108.16669
Co 228.615	540.491	ppb	3.1834	0.6	4667.27	108.09823
Cr 267.716	5381.19	ppb	19.9225	0.4	148256	107.62388
Cu 324.754	5395.65	ppb	54.1555	1.0	251565	107.91301
Fe 271.441	5197.17	ppb	39.8811	0.8	7683.51	103.94340
K 766.491	10586.2	ppb	46.7624	0.4	288074	105.86220
Mg 279.078	5326.03	ppb	30.5244	0.6	9611.33	106.52052
Mn 257.610	5408.88	ppb	16.6157	0.3	1117692	108.17759
Mo 202.032	510.916	ppb	1.3556	0.3	3197.91	102.18315
Na 330.237	7691.11	ppb	96.7756	1.3	340.047	102.54815
Ni 231.604	2732.32	ppb	19.4404	0.7	6291.31	109.29269
Pb 220.353	514.678	ppb	3.8859	0.8	698.558	102.93556
Sb 206.834	983.801	ppb	3.0656	0.3	934.173	98.38007
Se 196.026	5360.07	ppb	28.4482	0.5	2329.02	107.20144
Sn 189.925	5192.76	ppb	30.3394	0.6	3292.83	103.85529
Sr 216.596	2599.01	ppb	13.8592	0.5	22084.2	103.96053
Ti 334.941	514.351	ppb	2.0389	0.4	111978	102.87019
Tl 190.794	5149.77	ppb	33.0276	0.6	4230.32	102.99533
V 292.401	5148.83	ppb	24.8478	0.5	118305	102.97663
Zn 206.200	2749.54	ppb	21.0393	0.8	2564.56	109.98169

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

Cont Calib Blank (CCB) 4/25/2013, 9:53:25 AM Rack 4, Tube 26

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1714u	0.1934	-0.0077u
Al 308.215	-0.9245u	-6.5055u	3.4112
As 188.980	-1.7239u	6.1863	5.1627
B 249.678	-21.4677u	-22.9721u	-23.9442u
Ba 389.178	0.6229	0.1562	0.1935
Be 313.042	-0.0169u	0.0024	0.0232
Ca 370.602	3.599	8.924	10.91
Cd 226.502	0.0603	-0.3727u	-0.0404u
Co 228.615	-0.6778u	0.2214	-0.2450u
Cr 267.716	0.3318	0.3519	0.8509
Cu 324.754	0.1247	-0.3346u	0.3375
Fe 271.441	3.9938	5.4505	5.2648
K 766.491	-1.3897u	-0.1645u	0.6129
Mg 279.078	2.0422	3.2692	4.4396
Mn 257.610	0.1801	0.2508	0.6596
Mo 202.032	-0.4759u	-1.1239u	-0.4459u
Na 330.237	-97.1886u	-341.280u	-40.2317u
Ni 231.604	-0.6676u	3.4330	0.2263
Pb 220.353	-0.1075u	-0.3189u	0.4597
Sb 206.834	-6.5885u	2.3641	3.1240
Se 196.026	7.2231	1.8010	4.0163
Sn 189.925	-1.8886u	-0.0475u	-0.7360u
Sr 216.596	-0.2980u	-0.0628u	-0.2624u
Ti 334.941	-0.0086u	0.0509	0.0930
Tl 190.794	-4.6537u	1.5700	-1.3192u
V 292.401	0.0702	-0.1747u	0.4771
Zn 206.200	-1.3551u	-1.1189u	-0.4593u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0048	ppb	0.1827	3820.3	-28.6872	0.00478
Al 308.215	-1.3396	ppb	4.9714	371.1	-35.3641	-1.33960
As 188.980	3.2083	ppb	4.3020	134.1	-9.1542	3.20834
B 249.678	-22.7947	ppb	1.2477	5.5	235.525	-22.79466
Ba 389.178	0.3242	ppb	0.2593	80.0	-25.8441	0.32418
Be 313.042	0.0029	ppb	0.0201	694.7	-313.121	0.00289
Ca 370.602	7.811	ppb	3.780	48.4	15.11	7.81079
Cd 226.502	-0.1176	ppb	0.2266	192.7	31.3010	-0.11758
Co 228.615	-0.2338	ppb	0.4497	192.4	-9.3950	-0.23379
Cr 267.716	0.5115	ppb	0.2941	57.5	-13.8976	0.51154
Cu 324.754	0.0425	ppb	0.3435	807.7	146.610	0.04253
Fe 271.441	4.9031	ppb	0.7929	16.2	35.2426	4.90307
K 766.491	-0.3138	ppb	1.0096	321.7	183.834	-0.31380
Mg 279.078	3.2503	ppb	1.1988	36.9	39.0018	3.25033
Mn 257.610	0.3635	ppb	0.2589	71.2	125.154	0.36349
Mo 202.032	-0.6819	ppb	0.3831	56.2	16.4527	-0.68190
Na 330.237	-159.567	ppb	159.924	100.2	52.1713	-159.56665
Ni 231.604	0.9972	ppb	2.1562	216.2	-5.2040	0.99724
Pb 220.353	0.0111	ppb	0.4026	3618.9	33.3849	0.01113
Sb 206.834	-0.3668	ppb	5.4015	1472.6	-0.9504	-0.36681
Se 196.026	4.3468	ppb	2.7261	62.7	11.2847	4.34681
Sn 189.925	-0.8907	ppb	0.9302	104.4	-8.6901	-0.89072
Sr 216.596	-0.2077	ppb	0.1267	61.0	20.0201	-0.20772
Ti 334.941	0.0451	ppb	0.0511	113.3	-17.8815	0.04508
Tl 190.794	-1.4677	ppb	3.1145	212.2	-11.5903	-1.46765
V 292.401	0.1242	ppb	0.3292	265.0	-3.8634	0.12424
Zn 206.200	-0.9778	ppb	0.4643	483.5	515.7859	-0.97778

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89513-a-28-a (Samp) 4/25/2013, 9:59:03 AM Rack 4, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.5608	4.8704	4.6805
Al 308.215	125420	125236	125610
As 188.980	259.059	248.011	255.254
B 249.678	20.0392u	21.1962u	19.7743u
Ba 389.178	3982.17	3932.93	3944.12
Be 313.042	16.7478	16.6862	16.7536
Ca 370.602	77980	77814	78093
Cd 226.502	22.4822	21.8261	22.2772
Co 228.615	128.082	128.431	128.356
Cr 267.716	536.083	535.776	536.954
Cu 324.754	813.242	827.230	820.030
Fe 271.441	390056	386638	387513
K 766.491	9423.38	9397.10	9435.28
Mg 279.078	15514.3	15493.3	15538.7
Mn 257.610	18521.3	18458.7	18487.7
Mo 202.032	23.5238	23.8120	23.7501
Na 330.237	212.307u	147.431u	53.6270u
Ni 231.604	183.971	184.580	183.008
Pb 220.353	4461.01	4463.32	4468.14
Sb 206.834	11.0817	9.3851	11.0322
Se 196.026	-1.6042	-1.3075	5.1145
Sn 189.925	127.865	140.574	133.021
Sr 216.596	668.595	666.443	667.581
Ti 334.941	1975.35	1971.78	1979.14
Tl 190.794	26.8285u	26.4340u	26.0596u
V 292.401	548.747	545.231	548.236
Zn 206.200	8570.79	8606.07	8617.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.7039	ppb	0.1562	3.3	277.658
Al 308.215	125422	ppb	187.037	0.1	242913
As 188.980	254.108	ppb	5.6125	2.2	97.6946
B 249.678	20.3366	ppb	0.7562	3.7	282.944
Ba 389.178	3953.07	ppb	25.8148	0.7	72522.6
Be 313.042	16.7292	ppb	0.0373	0.2	25505.0
Ca 370.602	77963	ppb	140.0	0.2	161588
Cd 226.502	22.1952	ppb	0.3356	1.5	1922.38
Co 228.615	128.289	ppb	0.1835	0.1	1129.78
Cr 267.716	536.271	ppb	0.6113	0.1	14849.2
Cu 324.754	820.167	ppb	6.9947	0.9	38469.5
Fe 271.441	388069	ppb	1775.89	0.5	563249
K 766.491	9418.58	ppb	19.5367	0.2	256322
Mg 279.078	15515.4	ppb	22.7372	0.1	27929.6
Mn 257.610	18489.2	ppb	31.3310	0.2	3821390
Mo 202.032	23.6953	ppb	0.1517	0.6	150.836
Na 330.237	137.788	ppb	79.7784	57.9	-85.7383
Ni 231.604	183.853	ppb	0.7926	0.4	423.441
Pb 220.353	4464.16	ppb	3.6373	0.1	5804.00
Sb 206.834	10.4997	ppb	0.9655	9.2	21.4882
Se 196.026	0.7343	ppb	3.7963	517.0	15.7105
Sn 189.925	133.820	ppb	6.3921	4.8	76.9609
Sr 216.596	667.540	ppb	1.0765	0.2	5829.62
Ti 334.941	1975.43	ppb	3.6793	0.2	430165
Tl 190.794	26.4407	ppb	0.3845	1.5	-27.0866
V 292.401	547.405	ppb	1.9001	0.3	12603.5
Zn 206.200	8598.22	ppb	24.4704	0.3	8043.66

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89516-b-2-a (Samp) 4/25/2013, 10:04:41 AM Rack 4, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1204u	0.5869u	1.6406
Al 308.215	115935	114399	116643
As 188.980	244.679	243.157	239.309
B 249.678	74.9973	76.3563	76.0325
Ba 389.178	4330.34	4334.10	4357.40
Be 313.042	15.2151	15.2613	15.2794
Ca 370.602	599629	600329	603796
Cd 226.502	14.7591	14.7634	15.0050
Co 228.615	133.745	132.882	133.392
Cr 267.716	428.620	428.567	430.032
Cu 324.754	663.055	682.352	681.994
Fe 271.441	325631	326650	327191
K 766.491	14875.1	14924.8	14980.1
Mg 279.078	316878	317392	318033
Mn 257.610	7274.88	7315.30	7299.09
Mo 202.032	27.0176	28.3359	27.8343
Na 330.237	813.152u	1154.41u	1260.62u
Ni 231.604	188.684	186.976	193.766
Pb 220.353	4150.90	4151.73	4170.80
Sb 206.834	4.5692	17.2996	13.3758
Se 196.026	-2.3849	2.0864	1.6303
Sn 189.925	79.2725	88.4981	89.4712
Sr 216.596	1500.03	1502.44	1507.83
Ti 334.941	1887.12	1891.54	1897.31
Tl 190.794	8.3736u	9.4936u	8.3066u
V 292.401	436.784	438.211	439.335
Zn 206.200	7020.55	7011.26	6990.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1159	ppb	0.5268	47.2	-32.7936
Al 308.215	115659	ppb	1147.27	1.0	224004
As 188.980	242.382	ppb	2.7675	1.1	92.4171
B 249.678	75.7954	ppb	0.7099	0.9	942.762
Ba 389.178	4340.62	ppb	14.6609	0.3	80146.7
Be 313.042	15.2519	ppb	0.0331	0.2	23371.7
Ca 370.602	601251	ppb	2231	0.4	1402736
Cd 226.502	14.8425	ppb	0.1408	0.9	1510.68
Co 228.615	133.340	ppb	0.4342	0.3	1173.17
Cr 267.716	429.073	ppb	0.8307	0.2	11859.4
Cu 324.754	675.800	ppb	11.0396	1.6	31725.8
Fe 271.441	326491	ppb	791.850	0.2	473881
K 766.491	14926.7	ppb	52.4970	0.4	406108
Mg 279.078	317434	ppb	578.603	0.2	575294
Mn 257.610	7296.43	ppb	20.3394	0.3	1510132
Mo 202.032	27.7293	ppb	0.6654	2.4	178.805
Na 330.237	1076.06	ppb	233.795	21.7	-25.4041
Ni 231.604	189.808	ppb	3.5318	1.9	436.051
Pb 220.353	4157.81	ppb	11.2559	0.3	5406.29
Sb 206.834	11.7482	ppb	6.5194	55.5	20.3572
Se 196.026	0.4439	ppb	2.4604	554.3	12.8520
Sn 189.925	85.7473	ppb	5.6284	6.6	46.5742
Sr 216.596	1503.44	ppb	3.9949	0.3	12964.0
Ti 334.941	1891.99	ppb	5.1066	0.3	413060
Tl 190.794	8.7246	ppb	0.6668	7.6	-25.6266
V 292.401	438.110	ppb	1.2786	0.3	10091.5
Zn 206.200	7007.53	ppb	15.2386	0.2	6556.07

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89516-b-2-b ms (Samp) 4/25/2013, 10:10:20 AM Rack 4, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.2521	35.2380	35.7770
Al 308.215	83796.6	84035.4	84191.9
As 188.980	679.342	665.523	673.328
B 249.678	259.547	258.990	262.053
Ba 389.178	4134.13	4117.58	4143.58
Be 313.042	63.7599	63.9683	64.0175
Ca 370.602	908092x	915405x	912742x
Cd 226.502	61.5264	62.2049	62.0305
Co 228.615	156.847	158.310	157.545
Cr 267.716	402.434	403.647	403.532
Cu 324.754	793.296	808.183	798.694
Fe 271.441	487777	489481	489438
K 766.491	20734.6	20627.9	20634.5
Mg 279.078	552968	552348	552097
Mn 257.610	7116.58	7127.56	7112.71
Mo 202.032	127.992	128.548	128.932
Na 330.237	7486.00	7332.91	7247.92
Ni 231.604	267.963	267.067	266.921
Pb 220.353	3033.12	3031.26	3038.29
Sb 206.834	32.1929	39.3154	42.4502
Se 196.026	91.7901	88.0864	102.608
Sn 189.925	292.251	288.010	294.130
Sr 216.596	1304.04	1306.85	1305.09
Ti 334.941	1646.42	1653.41	1655.96
Tl 190.794	24.3686u	36.8173	38.3898
V 292.401	370.647	372.559	372.756
Zn 206.200	5511.04	5524.05	5520.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.4224b	ppb	0.3072	0.9	2193.21
Al 308.215	84008.0b	ppb	199.116	0.2	162698
As 188.980	672.731b	ppb	6.9290	1.0	272.372
B 249.678	260.197b	ppb	1.6318	0.6	2745.10
Ba 389.178	4131.76b	ppb	13.1636	0.3	77006.6
Be 313.042	63.9153b	ppb	0.1367	0.2	98553.2
Ca 370.602	912080xb	ppb	3701	0.4	2128033
Cd 226.502	61.9206b	ppb	0.3523	0.6	3453.32
Co 228.615	157.567b	ppb	0.7321	0.5	1370.83
Cr 267.716	403.205b	ppb	0.6697	0.2	11167.9
Cu 324.754	800.057b	ppb	7.5366	0.9	37564.7
Fe 271.441	488899b	ppb	971.648	0.2	709584
K 766.491	20665.7b	ppb	59.7704	0.3	562175
Mg 279.078	552471b	ppb	448.493	0.1	1001326
Mn 257.610	7118.95b	ppb	7.7044	0.1	1475094
Mo 202.032	128.491b	ppb	0.4725	0.4	800.187
Na 330.237	7355.61b	ppb	120.650	1.6	193.406
Ni 231.604	267.317b	ppb	0.5642	0.2	617.683
Pb 220.353	3034.22b	ppb	3.6419	0.1	3954.41
Sb 206.834	37.9862b	ppb	5.2563	13.8	46.3137
Se 196.026	94.1615b	ppb	7.5456	8.0	54.1859
Sn 189.925	291.464b	ppb	3.1351	1.1	177.443
Sr 216.596	1305.33b	ppb	1.4205	0.1	11352.4
Ti 334.941	1651.93b	ppb	4.9351	0.3	361636
Tl 190.794	33.1919b	ppb	7.6815	23.1	-12.1962
V 292.401	371.987b	ppb	1.1650	0.3	8551.62
Zn 206.200	5518.58b	ppb	6.7494	0.1	5163.50

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89516-b-2-c msd (Samp) 4/25/2013, 10:15:58 AM Rack 4, Tube 30**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.9907	19.3670	19.6569
Al 308.215	117553	117692	117591
As 188.980	381.800	384.100	398.520
B 249.678	334.463	337.516	339.087
Ba 389.178	5638.01	5641.79	5650.32
Be 313.042	71.8706	71.9143	72.0497
Ca 370.602	398901	394943	398451
Cd 226.502	71.0200	70.7584	71.0837
Co 228.615	175.998	175.497	177.449
Cr 267.716	443.677	443.001	442.924
Cu 324.754	977.695	974.829	999.407
Fe 271.441	310413	310774	311423
K 766.491	23025.6	23148.1	23185.0
Mg 279.078	203767	203892	204159
Mn 257.610	6979.79	6973.50	6985.79
Mo 202.032	132.548	131.525	132.069
Na 330.237	7331.51	6822.52	7078.35
Ni 231.604	322.514	329.534	323.376
Pb 220.353	4993.88	4989.77	4978.84
Sb 206.834	37.3034	42.3659	30.4847
Se 196.026	104.914	107.656	102.527
Sn 189.925	327.587	333.071	320.381
Sr 216.596	1819.47	1816.85	1818.44
Ti 334.941	2272.09	2277.56	2223.68
Tl 190.794	44.6410	36.6847	42.1362
V 292.401	420.692	420.568	422.628
Zn 206.200	8183.95	8161.48	8204.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.6715	ppb	0.3121	1.6	1171.62
Al 308.215	117612	ppb	72.1422	0.1	227790
As 188.980	388.140	ppb	9.0628	2.3	152.889
B 249.678	337.022	ppb	2.3513	0.7	3759.38
Ba 389.178	5643.37	ppb	6.3089	0.1	103651
Be 313.042	71.9449	ppb	0.0934	0.1	110814
Ca 370.602	397432	ppb	2167	0.5	921657
Cd 226.502	70.9540	ppb	0.1724	0.2	3166.70
Co 228.615	176.315	ppb	1.0139	0.6	1548.94
Cr 267.716	443.200	ppb	0.4144	0.1	12246.0
Cu 324.754	983.977	ppb	13.4395	1.4	46086.3
Fe 271.441	310870	ppb	511.934	0.2	451216
K 766.491	23119.6	ppb	83.4148	0.4	628906
Mg 279.078	203940	ppb	200.355	0.1	369590
Mn 257.610	6979.69	ppb	6.1502	0.1	1444052
Mo 202.032	132.047	ppb	0.5117	0.4	829.982
Na 330.237	7077.46	ppb	254.497	3.6	204.532
Ni 231.604	325.141	ppb	3.8284	1.2	747.742
Pb 220.353	4987.50	ppb	7.7728	0.2	6478.35
Sb 206.834	36.7180	ppb	5.9622	16.2	41.8406
Se 196.026	105.032	ppb	2.5668	2.4	57.9400
Sn 189.925	327.013	ppb	6.3646	1.9	199.878
Sr 216.596	1818.25	ppb	1.3186	0.1	15615.8
Ti 334.941	2257.78	ppb	29.6546	1.3	492298
Tl 190.794	41.1540	ppb	4.0681	9.9	2.1365
V 292.401	421.296	ppb	1.1553	0.3	9689.59
Zn 206.200	8183.17	ppb	21.3950	0.3	7655.63

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680-89516-b-19-a (Samp) 4/25/2013, 10:22:04 AM Rack 4, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6329u	-1.0849u	-1.7381u
Al 308.215	140419	139976	139228
As 188.980	197.111	198.756	200.260
B 249.678	102.310	101.069	102.654
Ba 389.178	2082.12	2079.61	2081.49
Be 313.042	18.6681	18.6138	18.6643
Ca 370.602	364943	364823	363458
Cd 226.502	20.3948	20.1899	19.9611
Co 228.615	80.0858	80.4053	80.7535
Cr 267.716	438.155	437.907	435.024
Cu 324.754	641.942	642.015	652.654
Fe 271.441	276662	276749	277118
K 766.491	18883.7	18883.5	18911.7
Mg 279.078	61335.5	61255.5	61290.2
Mn 257.610	12433.2	12401.4	12447.0
Mo 202.032	15.3095	15.2036	15.1967
Na 330.237	290.705u	509.277u	1170.83u
Ni 231.604	125.492	126.085	126.863
Pb 220.353	2633.45	2611.31	2587.04
Sb 206.834	4.9820	-1.9764	0.8465
Se 196.026	9.2015	-1.0526	-8.6136
Sn 189.925	91.8659	98.4360	97.3909
Sr 216.596	821.754	823.051	816.664
Ti 334.941	1387.35	1386.86	1385.74
Tl 190.794	14.7175u	14.8150u	15.4651u
V 292.401	480.050	481.444	482.307
Zn 206.200	4772.87	4716.00	4700.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4853	ppb	0.3507	23.6	-143.953
Al 308.215	139874	ppb	602.106	0.4	270909
As 188.980	198.709	ppb	1.5752	0.8	73.9333
B 249.678	102.011	ppb	0.8332	0.8	1277.51
Ba 389.178	2081.07	ppb	1.3078	0.1	38355.1
Be 313.042	18.6487	ppb	0.0303	0.2	28557.1
Ca 370.602	364408	ppb	824.8	0.2	845629
Cd 226.502	20.1819	ppb	0.2170	1.1	1513.29
Co 228.615	80.4149	ppb	0.3340	0.4	707.638
Cr 267.716	437.029	ppb	1.7402	0.4	12083.8
Cu 324.754	645.537	ppb	6.1634	1.0	30300.8
Fe 271.441	276843	ppb	242.441	0.1	401821
K 766.491	18893.0	ppb	16.2585	0.1	513968
Mg 279.078	61293.7	ppb	40.1190	0.1	110964
Mn 257.610	12427.2	ppb	23.3963	0.2	2568804
Mo 202.032	15.2366	ppb	0.0632	0.4	103.007
Na 330.237	656.937	ppb	458.265	69.8	-14.3750
Ni 231.604	126.147	ppb	0.6877	0.5	288.383
Pb 220.353	2610.60	ppb	23.2109	0.9	3407.28
Sb 206.834	1.2840	ppb	3.4998	272.6	10.0491
Se 196.026	-0.1549	ppb	8.9414	5772.8	13.4435
Sn 189.925	95.8976	ppb	3.5304	3.7	52.9502
Sr 216.596	820.490	ppb	3.3761	0.4	7119.31
Ti 334.941	1386.65	ppb	0.8269	0.1	302127
Tl 190.794	14.9992	ppb	0.4064	2.7	-24.5181
V 292.401	481.267	ppb	1.1389	0.2	11078.5
Zn 206.200	4729.89	ppb	37.9910	0.8	4425.78

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

680-89516-b-28-a (Samp) 4/25/2013, 10:27:42 AM Rack 4, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.5312	2.2942	2.1088
Al 308.215	125397	125229	124625
As 188.980	287.056	288.658	290.627
B 249.678	25.5667u	26.8399u	29.0166u
Ba 389.178	2412.14	2417.16	2417.11
Be 313.042	18.6230	18.4867	18.6218
Ca 370.602	265092	266501	265093
Cd 226.502	10.6569	10.7210	11.0096
Co 228.615	140.507	139.489	140.131
Cr 267.716	462.882	462.220	460.614
Cu 324.754	768.956	766.120	759.290
Fe 271.441	471189	468537	470571
K 766.491	13805.5	13815.8	13830.0
Mg 279.078	39016.2	38965.7	38985.0
Mn 257.610	21819.9	21739.6	21804.6
Mo 202.032	21.8394	19.9480	20.7543
Na 330.237	219.716u	494.784u	192.850u
Ni 231.604	164.818	167.846	169.940
Pb 220.353	2896.83	2885.00	2892.78
Sb 206.834	9.3043	6.4765	7.7564
Se 196.026	8.1642	-0.2858	-2.3058
Sn 189.925	84.7470	83.8994	78.3611
Sr 216.596	715.623	715.909	717.402
Ti 334.941	2043.43	2044.93	2040.02
Tl 190.794	29.8657u	28.6546u	41.3555u
V 292.401	477.584	476.702	476.963
Zn 206.200	5565.84	5561.35	5580.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9780	ppb	0.3980	20.1	98.3391
Al 308.215	125084	ppb	406.268	0.3	242258
As 188.980	288.780	ppb	1.7886	0.6	112.651
B 249.678	27.1410	ppb	1.7445	6.4	267.748
Ba 389.178	2415.47	ppb	2.8845	0.1	44623.4
Be 313.042	18.5772	ppb	0.0784	0.4	28411.9
Ca 370.602	265562	ppb	813.1	0.3	600394
Cd 226.502	10.7958	ppb	0.1879	1.7	1833.43
Co 228.615	140.042	ppb	0.5147	0.4	1230.58
Cr 267.716	461.905	ppb	1.1659	0.3	12819.6
Cu 324.754	764.789	ppb	4.9685	0.6	35912.0
Fe 271.441	470099	ppb	1387.46	0.3	682298
K 766.491	13817.1	ppb	12.2766	0.1	375935
Mg 279.078	38989.0	ppb	25.4903	0.1	70441.9
Mn 257.610	21788.0	ppb	42.6614	0.2	4503326
Mo 202.032	20.8472	ppb	0.9491	4.6	129.637
Na 330.237	302.450	ppb	167.107	55.3	-81.2198
Ni 231.604	167.534	ppb	2.5752	1.5	387.321
Pb 220.353	2891.54	ppb	6.0117	0.2	3771.84
Sb 206.834	7.8457	ppb	1.4160	18.0	20.1618
Se 196.026	1.8575	ppb	5.5543	299.0	17.3328
Sn 189.925	82.3358	ppb	3.4682	4.2	44.2930
Sr 216.596	716.311	ppb	0.9555	0.1	6286.85
Ti 334.941	2042.79	ppb	2.5149	0.1	444923
Tl 190.794	33.2919	ppb	7.0095	21.1	-28.9405
V 292.401	477.083	ppb	0.4534	0.1	10988.4
Zn 206.200	5569.39	ppb	10.2778	0.2	5210.91

680-89516-a-30-a (Samp) **4/25/2013, 10:33:21 AM** **Rack 4, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.4510	2.2733	1.9465
Al 308.215	107742	107475	106943
As 188.980	253.718	256.118	245.462
B 249.678	139.274	141.062	142.303
Ba 389.178	6133.02	6140.70	6122.16
Be 313.042	15.5691	15.5627	15.4985
Ca 370.602	286694	285817	285263
Cd 226.502	15.0115	15.4890	14.8211
Co 228.615	117.074	119.054	116.809
Cr 267.716	368.601	367.243	366.800
Cu 324.754	1031.67	1033.89	1030.94
Fe 271.441	319130	319744	318584
K 766.491	14442.5	14509.4	14439.8
Mg 279.078	132571	132669	132128
Mn 257.610	6346.69	6342.13	6324.86
Mo 202.032	32.5730	31.3582	31.5488
Na 330.237	1957.18u	1742.58u	1715.14u
Ni 231.604	217.182	219.567	216.770
Pb 220.353	5203.32	5190.03	5158.30
Sb 206.834	14.1865	11.8552	12.1526
Se 196.026	-8.5480u	4.2876	-4.5847
Sn 189.925	181.225	183.923	185.425
Sr 216.596	1601.06	1600.99	1594.60
Ti 334.941	2162.58	2162.14	2154.14
Tl 190.794	-0.5489u	16.2203u	5.1279u
V 292.401	343.560	344.667	344.852
Zn 206.200	8435.15	8461.48	8406.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.2236	ppb	0.2559	11.5	35.4595
Al 308.215	107387	ppb	406.618	0.4	207980
As 188.980	251.766	ppb	5.5895	2.2	96.2699
B 249.678	140.880	ppb	1.5229	1.1	1648.05
Ba 389.178	6131.96	ppb	9.3154	0.2	112423
Be 313.042	15.5434	ppb	0.0391	0.3	23738.0
Ca 370.602	285924	ppb	721.5	0.3	657375
Cd 226.502	15.1072	ppb	0.3441	2.3	1494.19
Co 228.615	117.646	ppb	1.2267	1.0	1042.83
Cr 267.716	367.548	ppb	0.9387	0.3	10161.2
Cu 324.754	1032.17	ppb	1.5356	0.1	48332.6
Fe 271.441	319153	ppb	579.991	0.2	463228
K 766.491	14463.9	ppb	39.4118	0.3	393523
Mg 279.078	132456	ppb	288.347	0.2	240041
Mn 257.610	6337.89	ppb	11.5172	0.2	1311088
Mo 202.032	31.8267	ppb	0.6533	2.1	204.819
Na 330.237	1804.96	ppb	132.536	7.3	-4.8517
Ni 231.604	217.840	ppb	1.5102	0.7	500.537
Pb 220.353	5183.88	ppb	23.1282	0.4	6732.35
Sb 206.834	12.7314	ppb	1.2689	10.0	20.5110
Se 196.026	-2.9484	ppb	6.5724	222.9	11.1391
Sn 189.925	183.524	ppb	2.1280	1.2	108.628
Sr 216.596	1598.88	ppb	3.7111	0.2	13747.5
Ti 334.941	2159.62	ppb	4.7484	0.2	470676
Tl 190.794	6.9331	ppb	8.5291	123.0	-25.6795
V 292.401	344.360	ppb	0.6987	0.2	7935.04
Zn 206.200	8434.52	ppb	27.2893	0.3	7890.86

680-89516-a-31-a (Samp) 4/25/2013, 10:38:59 AM Rack 4, Tube 34
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3332u	0.9414	-0.4616u
Al 308.215	122892	121780	121855
As 188.980	301.993	300.484	294.285
B 249.678	16.6154u	16.3875u	17.4564u
Ba 389.178	2204.54	2202.72	2201.69
Be 313.042	13.8081	13.7394	13.7696
Ca 370.602	229144	227843	228767
Cd 226.502	30.0869	30.7071	30.3723
Co 228.615	101.604	100.067	101.394
Cr 267.716	449.666	447.230	447.877
Cu 324.754	799.778	806.197	809.046
Fe 271.441	339934	339121	339352
K 766.491	12624.3	12626.3	12595.6
Mg 279.078	31922.5	31855.1	31917.6
Mn 257.610	13031.3	12965.4	12989.0
Mo 202.032	18.3842	17.9341	18.6613
Na 330.237	79.8879u	-115.862u	-247.571u
Ni 231.604	148.112	147.589	148.528
Pb 220.353	3410.42	3398.35	3402.02
Sb 206.834	7.6637	9.4805	8.1531
Se 196.026	19.0775	-10.5519u	3.0296
Sn 189.925	112.713	111.680	108.403
Sr 216.596	690.348	684.323	685.480
Ti 334.941	1023.87	1019.37	1018.90
Tl 190.794	13.8959u	8.8099u	20.2168u
V 292.401	486.200	486.629	486.519
Zn 206.200	6421.74	6399.03	6465.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0489	ppb	0.7756	1586.8	-44.2710
Al 308.215	122176	ppb	621.823	0.5	236625
As 188.980	298.921	ppb	4.0846	1.4	116.008
B 249.678	16.8198	ppb	0.5630	3.3	296.788
Ba 389.178	2202.98	ppb	1.4442	0.1	40588.1
Be 313.042	13.7724	ppb	0.0344	0.3	20989.1
Ca 370.602	228585	ppb	669.4	0.3	520511
Cd 226.502	30.3887	ppb	0.3104	1.0	2021.15
Co 228.615	101.021	ppb	0.8332	0.8	876.898
Cr 267.716	448.258	ppb	1.2615	0.3	12402.7
Cu 324.754	805.007	ppb	4.7470	0.6	37750.1
Fe 271.441	339469	ppb	419.077	0.1	492712
K 766.491	12615.4	ppb	17.2001	0.1	343255
Mg 279.078	31898.4	ppb	37.6124	0.1	57692.0
Mn 257.610	12995.2	ppb	33.4187	0.3	2686173
Mo 202.032	18.3265	ppb	0.3670	2.0	119.537
Na 330.237	-94.5147	ppb	164.770	174.3	-65.7293
Ni 231.604	148.076	ppb	0.4704	0.3	340.086
Pb 220.353	3403.60	ppb	6.1902	0.2	4432.71
Sb 206.834	8.4324	ppb	0.9400	11.1	17.8855
Se 196.026	3.8517	ppb	14.8318	385.1	15.6238
Sn 189.925	110.932	ppb	2.2504	2.0	62.4619
Sr 216.596	686.717	ppb	3.1971	0.5	5990.25
Ti 334.941	1020.71	ppb	2.7449	0.3	222354
Tl 190.794	14.3075	ppb	5.7146	39.9	-28.4444
V 292.401	486.450	ppb	0.2226	0.0	11191.6
Zn 206.200	6428.84	ppb	33.9295	0.5	6014.79

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680-89516-a-32-a (Samp) 4/25/2013, 10:44:37 AM Rack 4, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	5.0754	3.7022	3.9067
Al 308.215	157038	156271	156085
As 188.980	344.743	363.018	347.039
B 249.678	41.6576u	45.9225u	46.3819u
Ba 389.178	2798.21	2801.54	2796.95
Be 313.042	22.5837	22.6247	22.5012
Ca 370.602	289603	290727	290553
Cd 226.502	14.1826	14.6537	14.0942
Co 228.615	161.363	160.909	165.432
Cr 267.716	601.442	602.074	597.415
Cu 324.754	1026.55	1039.54	1025.16
Fe 271.441	550642	551825	549157
K 766.491	18921.0	18428.2	18996.9
Mg 279.078	44879.9	44962.4	44907.5
Mn 257.610	24801.7	25474.8	25345.8
Mo 202.032	22.9421	24.8258	22.9334
Na 330.237	348.203u	491.325u	408.324u
Ni 231.604	213.696	213.907	212.571
Pb 220.353	4173.55	4161.48	4169.14
Sb 206.834	5.0794	12.4330	-4.1055
Se 196.026	12.2014	13.0086	6.6940
Sn 189.925	119.790	118.801	131.426
Sr 216.596	888.830	891.497	892.107
Ti 334.941	2161.80	2156.31	2149.31
Tl 190.794	31.9478u	30.6220u	34.2657u
V 292.401	544.547	544.044	544.459
Zn 206.200	7376.54	7439.05	7481.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.2281	ppb	0.7409	17.5	242.108
Al 308.215	156464	ppb	505.224	0.3	303044
As 188.980	351.600	ppb	9.9545	2.8	139.291
B 249.678	44.6540	ppb	2.6051	5.8	369.894
Ba 389.178	2798.90	ppb	2.3695	0.1	51717.4
Be 313.042	22.5699	ppb	0.0629	0.3	34579.0
Ca 370.602	290294	ppb	605.1	0.2	654138
Cd 226.502	14.3102	ppb	0.3008	2.1	2190.40
Co 228.615	162.568	ppb	2.4912	1.5	1425.44
Cr 267.716	600.310	ppb	2.5272	0.4	16653.2
Cu 324.754	1030.41	ppb	7.9310	0.8	48312.5
Fe 271.441	550542	ppb	1336.82	0.2	799047
K 766.491	18782.0	ppb	308.825	1.6	510952
Mg 279.078	44916.6	ppb	42.0313	0.1	81143.6
Mn 257.610	25207.4	ppb	357.224	1.4	5210085
Mo 202.032	23.5671	ppb	1.0901	4.6	143.037
Na 330.237	415.950	ppb	71.8652	17.3	-106.507
Ni 231.604	213.392	ppb	0.7181	0.3	494.503
Pb 220.353	4168.05	ppb	6.1091	0.1	5421.91
Sb 206.834	4.4690	ppb	8.2861	185.4	19.9565
Se 196.026	10.6347	ppb	3.4365	32.3	22.2792
Sn 189.925	123.339	ppb	7.0213	5.7	70.3641
Sr 216.596	890.811	ppb	1.7432	0.2	7798.54
Ti 334.941	2155.80	ppb	6.2607	0.3	469557
Tl 190.794	32.2785	ppb	1.8442	5.7	-37.2613
V 292.401	544.350	ppb	0.2685	0.0	12532.8
Zn 206.200	7432.27	ppb	52.6685	0.7	6953.03

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2346u	0.1413	0.0048
Al 308.215	3.9551	4.4390	-0.1043u
As 188.980	-4.5367u	1.9841	5.7324
B 249.678	-31.1825u	-30.5050u	-31.2645u
Ba 389.178	1.1905	-0.0152u	0.3156
Be 313.042	-0.0222u	-0.0249u	-0.0162u
Ca 370.602	5.008	6.482	12.51
Cd 226.502	-0.1353u	0.2227	-0.1221u
Co 228.615	-0.4660u	0.4017	0.1026
Cr 267.716	0.1912	0.1116	-0.2310u
Cu 324.754	-0.3170u	-0.5311u	-0.5029u
Fe 271.441	15.8415	16.1028	18.4642
K 766.491	0.3455	2.4522	1.1063
Mg 279.078	4.6173	0.8434	5.6738
Mn 257.610	0.1568	0.4280	0.7028
Mo 202.032	-0.9431u	-0.7380u	-1.6828u
Na 330.237	-92.0350u	-86.3048u	-11.4489u
Ni 231.604	1.3413	1.2977	3.1056
Pb 220.353	-0.1893u	-3.1526u	-3.6886u
Sb 206.834	-1.1888u	-6.5769u	-2.5865u
Se 196.026	-4.1218u	-2.9427u	1.2852
Sn 189.925	-2.4699u	4.0575	-1.9681u
Sr 216.596	-0.4407u	0.8300	-0.7181u
Ti 334.941	0.2869	0.2234	0.1770
Tl 190.794	-7.1546u	-2.7481u	-0.1022u
V 292.401	0.0501	0.0336	0.1232
Zn 206.200	-2.3650u	0.3709	0.1777

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0295	ppb	0.1903	645.1	-30.9514
Al 308.215	2.7633	ppb	2.4952	90.3	-27.4372
As 188.980	1.0599	ppb	5.1965	490.3	-10.0472
B 249.678	-30.9840	ppb	0.4169	1.3	147.746
Ba 389.178	0.4970	ppb	0.6229	125.4	-22.6857
Be 313.042	-0.0211	ppb	0.0045	21.2	-350.067
Ca 370.602	8.000	ppb	3.975	49.7	15.07
Cd 226.502	-0.0116	ppb	0.2030	1753.7	34.5514
Co 228.615	0.0127	ppb	0.4407	3460.1	-7.2502
Cr 267.716	0.0239	ppb	0.2243	936.9	-27.3335
Cu 324.754	-0.4503	ppb	0.1163	25.8	123.632
Fe 271.441	16.8028	ppb	1.4447	8.6	52.4552
K 766.491	1.3014	ppb	1.0668	82.0	227.757
Mg 279.078	3.7115	ppb	2.5394	68.4	39.8377
Mn 257.610	0.4292	ppb	0.2730	63.6	138.748
Mo 202.032	-1.1213	ppb	0.4970	44.3	13.7126
Na 330.237	-63.2630	ppb	44.9636	71.1	55.9472
Ni 231.604	1.9148	ppb	1.0314	53.9	-3.0886
Pb 220.353	-2.3435	ppb	1.8847	80.4	30.3420
Sb 206.834	-3.4507	ppb	2.7961	81.0	-3.7334
Se 196.026	-1.9264	ppb	2.8431	147.6	8.5713
Sn 189.925	-0.1269	ppb	3.6324	2863.3	-8.2045
Sr 216.596	-0.1096	ppb	0.8254	753.0	20.8631
Ti 334.941	0.2291	ppb	0.0552	24.1	22.1823
Tl 190.794	-3.3350	ppb	3.5627	106.8	-13.1301
V 292.401	0.0690	ppb	0.0477	69.1	-5.0470
Zn 206.200	-0.6054	ppb	1.5268	252.2	2.1345

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Cont Calib Verif (CCV) 4/25/2013, 10:55:53 AM Rack 4, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	512.004	511.082	510.219
Al 308.215	5156.70	5070.84	5149.77
As 188.980	518.880	514.733	517.122
B 249.678	525.430	524.134	533.333
Ba 389.178	5143.03	5099.52	5138.73
Be 313.042	562.440	555.148	560.730
Ca 370.602	5153	5100	5131
Cd 226.502	543.385	539.318	543.317
Co 228.615	545.211	540.374	545.431
Cr 267.716	5348.87	5278.79	5349.00
Cu 324.754	5398.49	5413.03	5265.48
Fe 271.441	5234.45	5174.49	5225.37
K 766.491	10716.3	10581.3	10660.5
Mg 279.078	5383.74	5344.53	5389.89
Mn 257.610	5435.55	5386.27	5452.92
Mo 202.032	507.960	507.553	510.187
Na 330.237	7644.65	8020.61	7970.68
Ni 231.604	2746.27	2722.33	2750.81
Pb 220.353	511.439	511.419	514.543
Sb 206.834	977.834	977.932	987.265
Se 196.026	5446.07	5400.73	5418.77
Sn 189.925	5216.02	5129.29	5235.36
Sr 216.596	2587.68	2568.55	2593.53
Ti 334.941	514.862	508.441	513.719
Tl 190.794	5150.28	5132.72	5170.17
V 292.401	5183.23	5127.67	5167.73
Zn 206.200	2792.91	2774.94	2811.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	511.102	ppb	0.8923	0.2	33358.6	102.22032
Al 308.215	5125.77	ppb	47.7006	0.9	9888.01	102.51540
As 188.980	516.912	ppb	2.0812	0.4	204.345	103.38231
B 249.678	527.632	ppb	4.9792	0.9	6129.13	21.10529Q
Ba 389.178	5127.10	ppb	23.9780	0.5	93493.7	102.54190
Be 313.042	559.439	ppb	3.8132	0.7	863011	111.88780Q
Ca 370.602	5128	ppb	26.77	0.5	12027	102.56006
Cd 226.502	542.007	ppb	2.3287	0.4	16535.8	108.40134
Co 228.615	543.672	ppb	2.8581	0.5	4694.81	108.73445
Cr 267.716	5325.56	ppb	40.4966	0.8	146723	106.51112
Cu 324.754	5359.00	ppb	81.3123	1.5	249857	107.17999
Fe 271.441	5211.44	ppb	32.3174	0.6	7704.58	104.22870
K 766.491	10652.7	ppb	67.8764	0.6	289882	106.52706
Mg 279.078	5372.72	ppb	24.6069	0.5	9695.73	107.45439
Mn 257.610	5424.92	ppb	34.5766	0.6	1121006	108.49832
Mo 202.032	508.567	ppb	1.4182	0.3	3183.24	101.71331
Na 330.237	7878.65	ppb	204.181	2.6	347.218	105.04861
Ni 231.604	2739.80	ppb	15.2980	0.6	6308.57	109.59210
Pb 220.353	512.467	ppb	1.7977	0.4	695.701	102.49341
Sb 206.834	981.010	ppb	5.4170	0.6	931.819	98.10104
Se 196.026	5421.86	ppb	22.8289	0.4	2355.75	108.43716
Sn 189.925	5193.55	ppb	56.4856	1.1	3293.34	103.87109
Sr 216.596	2583.25	ppb	13.0649	0.5	21950.0	103.33005
Ti 334.941	512.341	ppb	3.4254	0.7	111541	102.46812
Tl 190.794	5151.06	ppb	18.7335	0.4	4231.37	103.02113
V 292.401	5159.55	ppb	28.6701	0.6	118551	103.19094
Zn 206.200	2793.25	ppb	18.4747	0.7	2695.41	111.72987Q

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Cont Calib Blank (CCB) 4/25/2013, 11:01:32 AM Rack 4, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4735	-0.2965u	0.1116
Al 308.215	-3.9260u	1.3929	5.7355
As 188.980	5.7446	-0.6180u	-7.6771u
B 249.678	-24.6449u	-25.0747u	-26.2617u
Ba 389.178	-0.8086u	0.0328	1.2552
Be 313.042	-0.0152u	-0.0163u	-0.0196u
Ca 370.602	5.841	3.342	3.399
Cd 226.502	-0.1393u	0.0027	0.0268
Co 228.615	-0.8082u	-0.6875u	0.2076
Cr 267.716	0.1569	-0.0679u	0.2320
Cu 324.754	0.1630	0.0291	-0.4096u
Fe 271.441	13.3215	10.9767	17.7011
K 766.491	0.7495	-0.5178u	0.7409
Mg 279.078	4.6390	2.2800	-0.5445u
Mn 257.610	0.0042	0.0430	0.0612
Mo 202.032	0.0155	-1.0152u	-0.4488u
Na 330.237	-133.575u	-110.156u	-166.814u
Ni 231.604	0.3313	1.8994	1.2483
Pb 220.353	-1.3845u	0.4967	-1.5198u
Sb 206.834	0.6228	-2.0399u	0.6996
Se 196.026	5.5803	6.5683	3.6360
Sn 189.925	-1.7448u	1.5301	-0.6385u
Sr 216.596	0.7564	-0.1853u	0.3944
Ti 334.941	0.0288	0.0040	0.0136
Tl 190.794	-3.5379u	-1.9634u	-0.5842u
V 292.401	0.0355	-0.3123u	-0.1200u
Zn 206.200	7.2899	6.1852	6.7704

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0962	ppb	0.3853	400.5	-22.7213	0.09620
Al 308.215	1.0675	ppb	4.8390	453.3	-30.6863	1.06746
As 188.980	-0.8502	ppb	6.7139	789.7	-10.8415	-0.85016
B 249.678	-25.3271	ppb	0.8374	3.3	208.386	-25.32712
Ba 389.178	0.1598	ppb	1.0378	649.5	-28.8464	0.15978
Be 313.042	-0.0170	ppb	0.0023	13.4	-343.896	-0.01703
Ca 370.602	4.194	ppb	1.427	34.0	6.706	4.19384
Cd 226.502	-0.0366	ppb	0.0897	245.1	33.7549	-0.03661
Co 228.615	-0.4294	ppb	0.5549	129.2	-11.0913	-0.42937
Cr 267.716	0.1070	ppb	0.1560	145.8	-25.0451	0.10703
Cu 324.754	-0.0725	ppb	0.2995	413.0	141.258	-0.07252
Fe 271.441	13.9998	ppb	3.4131	24.4	48.4184	13.99978
K 766.491	0.3242	ppb	0.7293	224.9	201.184	0.32420
Mg 279.078	2.1248	ppb	2.5952	122.1	36.9659	2.12484
Mn 257.610	0.0362	ppb	0.0291	80.6	57.5067	0.03616
Mo 202.032	-0.4828	ppb	0.5162	106.9	17.6945	-0.48283
Na 330.237	-136.848	ppb	28.4701	20.8	53.0252	-136.84824
Ni 231.604	1.1597	ppb	0.7878	67.9	-4.8296	1.15969
Pb 220.353	-0.8025	ppb	1.1272	140.5	32.3329	-0.80254
Sb 206.834	-0.2392	ppb	1.5600	652.3	-0.8427	-0.23916
Se 196.026	5.2616	ppb	1.4919	28.4	11.6802	5.26156
Sn 189.925	-0.2844	ppb	1.6659	585.8	-8.3046	-0.28440
Sr 216.596	0.3218	ppb	0.4750	147.6	24.5079	0.32183
Ti 334.941	0.0155	ppb	0.0125	80.8	-24.3381	0.01546
Tl 190.794	-2.0285	ppb	1.4779	72.9	-12.0524	-2.02850
V 292.401	-0.1322	ppb	0.1742	131.7	-9.8097	-0.13225
Zn 206.200	6.7485	ppb	0.5527	8.2	0.0129	6.74850

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	44.3277	43.8010	43.7989
Al 308.215	5465.18	5541.76	5536.74
As 188.980	107.035	122.591	114.460
B 249.678	187.420	189.697	188.472
Ba 389.178	105.239	104.574	106.071
Be 313.042	57.7915	57.8798	57.8402
Ca 370.602	5098	5133	5122
Cd 226.502	56.7740	56.4895	56.4103
Co 228.615	57.2080	55.4573	56.2768
Cr 267.716	109.782	111.215	111.093
Cu 324.754	110.092	110.592	111.169
Fe 271.441	5287.50	5280.98	5280.60
K 766.491	5446.26	5431.52	5418.74
Mg 279.078	5458.95	5463.11	5458.27
Mn 257.610	567.077	566.348	565.208
Mo 202.032	102.939	104.308	104.118
Na 330.237	5771.36	5401.11	5703.11
Ni 231.604	112.159	111.770	110.519
Pb 220.353	54.1296	52.7821	53.0353
Sb 206.834	50.0314	52.0898	44.7704
Se 196.026	107.054	121.026	98.1031
Sn 189.925	205.216	206.391	215.441
Sr 216.596	106.613	107.192	106.439
Ti 334.941	103.648	104.239	103.921
Tl 190.794	34.7843	40.2739	40.2178
V 292.401	106.421	106.043	106.068
Zn 206.200	110.543	110.888	111.409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	43.9759	ppb	0.3047	0.7	2846.22
Al 308.215	5514.56	ppb	42.8394	0.8	10653.2
As 188.980	114.695	ppb	7.7809	6.8	37.2089
B 249.678	188.530	ppb	1.1393	0.6	2494.78
Ba 389.178	105.294	ppb	0.7499	0.7	1906.18
Be 313.042	57.8372	ppb	0.0442	0.1	88944.0
Ca 370.602	5118	ppb	17.91	0.4	11809
Cd 226.502	56.5580	ppb	0.1913	0.3	1771.51
Co 228.615	56.3140	ppb	0.8760	1.6	478.354
Cr 267.716	110.696	ppb	0.7943	0.7	3024.11
Cu 324.754	110.617	ppb	0.5390	0.5	5302.89
Fe 271.441	5283.03	ppb	3.8775	0.1	7703.62
K 766.491	5432.17	ppb	13.7708	0.3	147915
Mg 279.078	5460.11	ppb	2.6195	0.0	9921.06
Mn 257.610	566.211	ppb	0.9419	0.2	117084
Mo 202.032	103.788	ppb	0.7417	0.7	667.471
Na 330.237	5625.20	ppb	197.040	3.5	276.452
Ni 231.604	111.483	ppb	0.8569	0.8	249.592
Pb 220.353	53.3157	ppb	0.7162	1.3	102.137
Sb 206.834	48.9639	ppb	3.7747	7.7	43.8640
Se 196.026	108.728	ppb	11.5528	10.6	56.5826
Sn 189.925	209.016	ppb	5.5952	2.7	124.747
Sr 216.596	106.748	ppb	0.3939	0.4	927.599
Ti 334.941	103.936	ppb	0.2958	0.3	22621.4
Tl 190.794	38.4253	ppb	3.1534	8.2	20.4194
V 292.401	106.177	ppb	0.2115	0.2	2418.79
Zn 206.200	110.947	ppb	0.4361	0.4	106.267

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

ics 680-274276/3-a (Samp) 4/25/2013, 11:12:49 AM Rack 4, Tube 40
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	116.846	117.184	115.680
Al 308.215	2204.90	2234.02	2219.90
As 188.980	244.307	235.723	232.102
B 249.678	406.015	411.184	407.429
Ba 389.178	202.048	203.786	202.471
Be 313.042	228.833	230.329	228.554
Ca 370.602	20399	20614	20408
Cd 226.502	221.560	223.683	221.228
Co 228.615	218.847	219.624	216.391
Cr 267.716	215.160	218.039	217.167
Cu 324.754	221.384	222.677	219.962
Fe 271.441	20986.4	21122.1	20955.8
K 766.491	21666.7	21751.3	21635.1
Mg 279.078	21646.4	21795.3	21617.8
Mn 257.610	2256.91	2269.63	2249.85
Mo 202.032	204.817	206.322	205.807
Na 330.237	20186.0	20016.0	19609.8
Ni 231.604	220.539	221.150	217.576
Pb 220.353	205.246	205.512	210.743
Sb 206.834	192.672	201.914	197.781
Se 196.026	226.795	223.394	224.108
Sn 189.925	201.956	206.530	203.755
Sr 216.596	209.665	213.397	210.387
Ti 334.941	204.981	206.582	205.397
Tl 190.794	40.3209	43.4638	38.7294
V 292.401	210.894	211.543	210.154
Zn 206.200	226.083	225.452	223.671

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	116.570	ppb	0.7888	0.7	7596.95
Al 308.215	2219.61	ppb	14.5633	0.7	4274.70
As 188.980	237.377	ppb	6.2684	2.6	88.2952
B 249.678	408.209	ppb	2.6712	0.7	4832.40
Ba 389.178	202.768	ppb	0.9063	0.4	3735.49
Be 313.042	229.239	ppb	0.9547	0.4	353504
Ca 370.602	20473	ppb	121.5	0.6	47226
Cd 226.502	222.157	ppb	1.3319	0.6	6857.28
Co 228.615	218.287	ppb	1.6877	0.8	1876.36
Cr 267.716	216.789	ppb	1.4761	0.7	5953.00
Cu 324.754	221.341	ppb	1.3581	0.6	10468.9
Fe 271.441	21021.4	ppb	88.4995	0.4	30567.0
K 766.491	21684.4	ppb	60.1226	0.3	589878
Mg 279.078	21686.5	ppb	95.2898	0.4	39310.7
Mn 257.610	2258.79	ppb	10.0246	0.4	466935
Mo 202.032	205.649	ppb	0.7649	0.4	1301.77
Na 330.237	19937.3	ppb	296.084	1.5	832.577
Ni 231.604	219.755	ppb	1.9119	0.9	499.474
Pb 220.353	207.167	ppb	3.0997	1.5	301.134
Sb 206.834	197.456	ppb	4.6298	2.3	179.240
Se 196.026	224.766	ppb	1.7934	0.8	107.220
Sn 189.925	204.080	ppb	2.3040	1.1	121.618
Sr 216.596	211.150	ppb	1.9797	0.9	1817.80
Ti 334.941	205.653	ppb	0.8305	0.4	44825.5
Tl 190.794	40.8380	ppb	2.4092	5.9	19.7731
V 292.401	210.864	ppb	0.6946	0.3	4810.69
Zn 206.200	225.069	ppb	1.2597	0.6	512.812

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680-89514-a-1-a (Samp) 4/25/2013, 11:18:39 AM Rack 4, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.7606	4.4485	4.7495
Al 308.215	4579.12	4150.67	4280.15
As 188.980	78.7854	73.5548	70.3575
B 249.678	58720.5x	56024.9x	56483.3x
Ba 389.178	16.8501	15.7506	16.2527
Be 313.042	2.2200u	2.6326u	2.5143u
Ca 370.602	325.6	304.5	299.2
Cd 226.502	0.1176u	-0.0757u	-0.3937u
Co 228.615	85.9282u	94.9620u	92.5348u
Cr 267.716	64.9516	61.3458	61.6224
Cu 324.754	194.567	177.590	182.641
Fe 271.441	811.308	754.661	769.809
K 766.491	1209.46	1137.50	1158.65
Mg 279.078	52.3812	41.7388	50.4277
Mn 257.610	15.4018	14.4062	14.6622
Mo 202.032	113264x	106234x	108237x
Na 330.237	2521998x	2366611x	2406130x
Ni 231.604	40.9668	40.3007	40.9611
Pb 220.353	-21.1618u	-17.2135u	-22.8424u
Sb 206.834	-808.814u	-663.066u	-717.222u
Se 196.026	32.1649	30.4068	30.1550
Sn 189.925	0.5021	4.5732	3.1806
Sr 216.596	-15.3012u	9.2175u	0.4159u
Ti 334.941	145.369	136.436	139.198
Tl 190.794	-44.3918u	-42.3882u	-38.5870u
V 292.401	18.7245u	68.3411u	52.0701u
Zn 206.200	462.234	439.096	442.812

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.6528b	ppb	0.1771	3.8	272.838
Al 308.215	4336.65b	ppb	219.744	5.1	13292.2
As 188.980	74.2326b	ppb	4.2547	5.7	0.6614
B 249.678	57076.2xb	ppb	1442.30	2.5	612196
Ba 389.178	16.2845b	ppb	0.5504	3.4	703.484
Be 313.042	2.4557b	ppb	0.2125	8.7	-10680.3
Ca 370.602	309.8b	ppb	13.96	4.5	691.1
Cd 226.502	-0.1173b	ppb	0.2582	220.2	24.1005
Co 228.615	91.1417b	ppb	4.6753	5.1	-1979.57
Cr 267.716	62.6400b	ppb	2.0068	3.2	1725.76
Cu 324.754	184.933b	ppb	8.7174	4.7	11597.1
Fe 271.441	778.593b	ppb	29.3274	3.8	1238.01
K 766.491	1168.54b	ppb	36.9848	3.2	31969.6
Mg 279.078	48.1826b	ppb	5.6653	11.8	119.936
Mn 257.610	14.8234b	ppb	0.5170	3.5	3104.26
Mo 202.032	109245xb	ppb	3622.09	3.3	681210
Na 330.237	2431580xb	ppb	80759.1	3.3	95361.5
Ni 231.604	40.7429b	ppb	0.3829	0.9	86.4370
Pb 220.353	-20.4059b	ppb	2.8896	14.2	-107.060
Sb 206.834	-729.701b	ppb	73.6712	10.1	-2014.37
Se 196.026	30.9089b	ppb	1.0950	3.5	22.7813
Sn 189.925	2.7520b	ppb	2.0692	75.2	-5.7597
Sr 216.596	-1.8892b	ppb	12.4208	657.5	-3147.19
Ti 334.941	140.334b	ppb	4.5739	3.3	30389.8
Tl 190.794	-41.7890b	ppb	2.9484	7.1	-84.6779
V 292.401	46.3787b	ppb	25.2932	54.5	-17078.4
Zn 206.200	448.047b	ppb	12.4259	2.8	421.646

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CCV (Samp) 4/25/2013, 11:24:18 AM Rack 4, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	514.993	514.681	523.970
Al 308.215	5226.53	5247.46	5242.79
As 188.980	536.635	525.849	529.755
B 249.678	1370.97	1314.33	1271.88
Ba 389.178	5132.63	5147.23	5157.92
Be 313.042	564.203	564.164	567.017
Ca 370.602	5164	5163	5189
Cd 226.502	545.056	546.354	547.947
Co 228.615	544.940	543.945	547.460
Cr 267.716	5389.38	5416.19	5423.97
Cu 324.754	5425.18	5412.94	5465.76
Fe 271.441	5245.75	5258.44	5279.51
K 766.491	10736.5	10765.9	10798.1
Mg 279.078	5410.32	5423.04	5426.93
Mn 257.610	5433.08	5455.12	5473.75
Mo 202.032	599.962	589.144	584.058
Na 330.237	7815.05	7635.06	7935.95
Ni 231.604	2758.80	2758.11	2770.41
Pb 220.353	514.177	515.122	522.212
Sb 206.834	988.276	997.144	1006.20
Se 196.026	5479.98	5486.73	5482.72
Sn 189.925	5270.91	5254.18	5292.09
Sr 216.596	2602.22	2605.96	2615.39
Ti 334.941	514.821	515.755	517.650
Tl 190.794	5168.68	5166.37	5186.41
V 292.401	5180.49	5180.05	5204.15
Zn 206.200	2798.69	2814.99	2798.88

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	517.881	ppb	5.2752	1.0	33802.8
Al 308.215	5238.93	ppb	10.9859	0.2	10110.6
As 188.980	530.746	ppb	5.4610	1.0	210.082
B 249.678	1319.06	ppb	49.7135	3.8	14611.2
Ba 389.178	5145.93	ppb	12.6917	0.2	93837.6
Be 313.042	565.128	ppb	1.6359	0.3	871782
Ca 370.602	5172	ppb	14.72	0.3	12129
Cd 226.502	546.453	ppb	1.4482	0.3	16671.1
Co 228.615	545.449	ppb	1.8121	0.3	4708.19
Cr 267.716	5409.85	ppb	18.1463	0.3	149045
Cu 324.754	5434.63	ppb	27.6472	0.5	253383
Fe 271.441	5261.23	ppb	17.0513	0.3	7777.58
K 766.491	10766.9	ppb	30.8279	0.3	292986
Mg 279.078	5420.10	ppb	8.6892	0.2	9781.20
Mn 257.610	5453.98	ppb	20.3602	0.4	1127012
Mo 202.032	591.055	ppb	8.1221	1.4	3697.55
Na 330.237	7795.35	ppb	151.410	1.9	343.835
Ni 231.604	2762.44	ppb	6.9123	0.3	6360.76
Pb 220.353	517.170	ppb	4.3920	0.8	701.700
Sb 206.834	997.208	ppb	8.9647	0.9	945.752
Se 196.026	5483.14	ppb	3.3905	0.1	2382.27
Sn 189.925	5272.39	ppb	19.0004	0.4	3343.45
Sr 216.596	2607.85	ppb	6.7865	0.3	22156.7
Ti 334.941	516.075	ppb	1.4414	0.3	112354
Tl 190.794	5173.82	ppb	10.9637	0.2	4250.08
V 292.401	5188.23	ppb	13.7907	0.3	119197
Zn 206.200	2804.18	ppb	9.3585	0.3	2615.59

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CCB (Samp) 4/25/2013, 11:29:57 AM Rack 4, Tube 43

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4861u	0.1654	-0.0285u
Al 308.215	-2.8078u	-7.5583u	-0.1027
As 188.980	2.2748	-2.0626u	10.1638
B 249.678	284.205	265.762	254.619
Ba 389.178	0.6409	1.4991	0.1479
Be 313.042	-0.0134u	-0.0172u	-0.0215u
Ca 370.602	3.988	2.016	-0.4742u
Cd 226.502	0.1080	-0.2393u	-0.2685u
Co 228.615	0.1564	-0.3314u	-0.4706u
Cr 267.716	0.6037	0.3929	0.2539
Cu 324.754	0.4612	-0.4433u	-0.0330u
Fe 271.441	1.4592	-2.7873u	-8.0723u
K 766.491	-0.7655u	0.7414	0.5643
Mg 279.078	1.3748	4.3147	3.1586
Mn 257.610	-0.0480u	-0.0562u	-0.0011u
Mo 202.032	16.2224	15.0163	14.3676
Na 330.237	-129.730u	190.215	-85.3279u
Ni 231.604	-0.2387u	0.2835	0.7950
Pb 220.353	1.4800	-1.4034u	0.2065
Sb 206.834	2.8969	4.8916	-2.7645u
Se 196.026	2.4791	6.3366	11.6410
Sn 189.925	-2.0339u	2.1502	0.3006
Sr 216.596	-0.0524u	0.2386	0.0287u
Ti 334.941	0.0237	-0.1317u	-0.0957u
Tl 190.794	0.4798	1.3655	-4.2724u
V 292.401	0.0895u	-0.0195u	0.1895
Zn 206.200	-0.6568u	2.9758	-0.7476u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1164	ppb	0.3346	287.5	-36.6186
Al 308.215	-3.4896	ppb	3.7743	108.2	-38.8297
As 188.980	3.4587	ppb	6.1986	179.2	-9.0530
B 249.678	268.195	ppb	14.9420	5.6	3354.23
Ba 389.178	0.7626	ppb	0.6838	89.7	-17.7968
Be 313.042	-0.0173	ppb	0.0040	23.3	-346.317
Ca 370.602	1.843	ppb	2.236	121.3	1.460
Cd 226.502	-0.1333	ppb	0.2094	157.2	30.7990
Co 228.615	-0.2152	ppb	0.3293	153.0	-9.6294
Cr 267.716	0.4169	ppb	0.1761	42.3	-16.5082
Cu 324.754	-0.0051	ppb	0.4529	8956.4	144.793
Fe 271.441	-3.1335	ppb	4.7752	152.4	23.5246
K 766.491	0.1801	ppb	0.8236	457.4	197.264
Mg 279.078	2.9494	ppb	1.4811	50.2	38.4605
Mn 257.610	-0.0351	ppb	0.0297	84.6	42.7695
Mo 202.032	15.2021	ppb	0.9412	6.2	115.497
Na 330.237	-8.2810	ppb	173.330	2093.1	58.1039
Ni 231.604	0.2799	ppb	0.5169	184.6	-6.8577
Pb 220.353	0.0944	ppb	1.4450	1531.0	33.4764
Sb 206.834	1.6746	ppb	3.9717	237.2	0.6988
Se 196.026	6.8189	ppb	4.5999	67.5	12.3538
Sn 189.925	0.1390	ppb	2.0967	1508.5	-8.0355
Sr 216.596	0.0716	ppb	0.1502	209.7	21.9503
Ti 334.941	-0.0679	ppb	0.0813	119.8	-42.4844
Tl 190.794	-0.8090	ppb	3.0319	374.8	-11.0524
V 292.401	0.0865	ppb	0.1045	120.8	-7.2934
Zn 206.200	0.5238	ppb	2.1240	405.5	3.1908

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CA (Samp) 4/25/2013, 11:35:46 AM Rack 4, Tube 44

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8173u	-0.3113u	-0.0233u
Al 308.215	16.6057	12.3716	8.5975
As 188.980	-3.8841u	2.8290	-8.7093u
B 249.678	130.607	124.913	119.124
Ba 389.178	0.0931	1.4392	0.4792
Be 313.042	-0.2407u	-0.2549u	-0.2320u
Ca 370.602	1086928x	1081437x	1076054x
Cd 226.502	0.8213	1.0166	0.6989
Co 228.615	-2.1458u	-0.7407u	-1.0892u
Cr 267.716	0.7758	0.3346	1.0272
Cu 324.754	-0.8966u	-1.6250u	-2.1318u
Fe 271.441	25.9733	19.6605	31.5981
K 766.491	0.3234	0.5930	1.4804
Mg 279.078	5.1493	11.2761	14.2172
Mn 257.610	0.1455	0.1893	0.1313
Mo 202.032	5.8344	6.4312	4.6970
Na 330.237	-114.331u	161.524	-48.0597u
Ni 231.604	1.7229	0.6945	1.2624
Pb 220.353	3.4962	-1.0783u	4.9942
Sb 206.834	-3.6535u	-0.5499u	-5.7222u
Se 196.026	7.9397	-1.4814u	-8.4595u
Sn 189.925	0.3180	3.0599	-1.6327u
Sr 216.596	-1.3859	-1.8775	-1.4626
Ti 334.941	3.5425	3.4832	3.5630
Tl 190.794	-7.8876u	-13.0248u	-5.2571u
V 292.401	-0.9275u	-0.7265u	-1.1805u
Zn 206.200	6.0537	5.9801	6.5903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3840b	ppb	0.4020	104.7	-56.1054
Al 308.215	12.5249b	ppb	4.0063	32.0	-8.2219
As 188.980	-3.2548b	ppb	5.7948	178.0	-11.8421
B 249.678	124.881b	ppb	5.7418	4.6	1818.23
Ba 389.178	0.6705b	ppb	0.6932	103.4	-19.4714
Be 313.042	-0.2425b	ppb	0.0116	4.8	-381.460
Ca 370.602	1081473xb	ppb	5437	0.5	2557915
Cd 226.502	0.8456b	ppb	0.1603	19.0	60.6489
Co 228.615	-1.3252b	ppb	0.7317	55.2	-18.9166
Cr 267.716	0.7125b	ppb	0.3506	49.2	-8.3528
Cu 324.754	-1.5511b	ppb	0.6209	40.0	72.5156
Fe 271.441	25.7440b	ppb	5.9721	23.2	65.3963
K 766.491	0.7989b	ppb	0.6054	75.8	214.094
Mg 279.078	10.2142b	ppb	4.6263	45.3	51.6241
Mn 257.610	0.1554b	ppb	0.0302	19.5	95.1145
Mo 202.032	5.6542b	ppb	0.8810	15.6	55.9619
Na 330.237	-0.2888b	ppb	143.999	49854.3	58.3627
Ni 231.604	1.2266b	ppb	0.5152	42.0	-4.6749
Pb 220.353	2.4707b	ppb	3.1635	128.0	36.5562
Sb 206.834	-3.3085b	ppb	2.6034	78.7	-3.6808
Se 196.026	-0.6671b	ppb	8.2299	1233.8	9.1160
Sn 189.925	0.5817b	ppb	2.3573	405.2	-7.4026
Sr 216.596	-1.5753b	ppb	0.2645	16.8	96.3605
Ti 334.941	3.5296b	ppb	0.0414	1.2	740.800
Tl 190.794	-8.7232b	ppb	3.9507	45.3	-17.5750
V 292.401	-0.9449b	ppb	0.2275	24.1	-29.5286
Zn 206.200	6.2080b	ppb	0.3331	5.4	8.5056

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680-89514-a-1-a^10 (Samp) **4/25/2013, 11:46:01 AM** **Rack 4, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4074	0.4035	0.7965
Al 308.215	439.665	427.934	411.052
As 188.980	1.8945u	3.2949u	17.5548
B 249.678	6195.11x	6082.96x	5879.89x
Ba 389.178	1.8909	2.1596	1.0602
Be 313.042	0.3194u	0.3301u	0.3562u
Ca 370.602	37.99	41.89	43.38
Cd 226.502	-0.0784u	-0.0072u	-0.0763u
Co 228.615	12.0086u	13.2600u	12.8752u
Cr 267.716	6.8038	6.9098	6.3960
Cu 324.754	19.8612	19.3209	18.1181
Fe 271.441	87.1422	77.5124	84.4289
K 766.491	79.0618	75.7126	72.8084
Mg 279.078	7.0875	11.1704	4.4024
Mn 257.610	1.6518	1.6194	1.6081
Mo 202.032	12790.7x	12553.8x	12264.0x
Na 330.237	223275x	215745x	209231x
Ni 231.604	5.2675	6.5731	4.6061
Pb 220.353	-0.2763u	-3.5510u	-1.7654u
Sb 206.834	-61.3616u	-60.6052u	-54.0650u
Se 196.026	-1.2643u	3.4217	-8.4127u
Sn 189.925	-0.2361u	1.2337	4.0908
Sr 216.596	1.8191u	3.0894u	4.0664u
Ti 334.941	15.0846	14.8342	14.3307
Tl 190.794	-13.4112u	-9.0805u	-8.3106u
V 292.401	9.8076u	11.5000u	13.8262u
Zn 206.200	45.7886	45.9603	45.6055

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5358b	ppb	0.2258	42.1	5.7900
Al 308.215	426.217b	ppb	14.3837	3.4	1360.00
As 188.980	7.5814b	ppb	8.6655	114.3	-9.6066
B 249.678	6052.65xb	ppb	159.785	2.6	65349.3
Ba 389.178	1.7036b	ppb	0.5731	33.6	49.7826
Be 313.042	0.3353b	ppb	0.0189	5.6	-1424.62
Ca 370.602	41.09b	ppb	2.784	6.8	90.21
Cd 226.502	-0.0540b	ppb	0.0405	75.1	32.6349
Co 228.615	12.7146b	ppb	0.6410	5.0	-215.409
Cr 267.716	6.7032b	ppb	0.2713	4.0	159.240
Cu 324.754	19.1000b	ppb	0.8923	4.7	1361.10
Fe 271.441	83.0278b	ppb	4.9654	6.0	158.184
K 766.491	75.8609b	ppb	3.1294	4.1	2255.33
Mg 279.078	7.5534b	ppb	3.4079	45.1	46.7496
Mn 257.610	1.6264b	ppb	0.0227	1.4	385.367
Mo 202.032	12536.2xb	ppb	263.815	2.1	78189.1
Na 330.237	216084xb	ppb	7027.96	3.3	8527.55
Ni 231.604	5.4822b	ppb	1.0009	18.3	5.1367
Pb 220.353	-1.8642b	ppb	1.6396	88.0	17.8245
Sb 206.834	-58.6773b	ppb	4.0122	6.8	-209.646
Se 196.026	-2.0851b	ppb	5.9598	285.8	8.5033
Sn 189.925	1.6961b	ppb	2.2002	129.7	-6.9914
Sr 216.596	2.9916b	ppb	1.1268	37.7	-315.924
Ti 334.941	14.7498b	ppb	0.3840	2.6	3171.64
Tl 190.794	-10.2674b	ppb	2.7497	26.8	-23.4294
V 292.401	11.7113b	ppb	2.0176	17.2	-1825.78
Zn 206.200	45.7848b	ppb	0.1774	0.4	45.5109

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

CCV (Samp) 4/25/2013, 11:51:40 AM Rack 4, Tube 47
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	515.463	512.605	507.787
Al 308.215	5063.41	5137.81	5107.55
As 188.980	537.442	513.605	521.343
B 249.678	668.701	669.012	653.461
Ba 389.178	5080.92	5107.34	5052.36
Be 313.042	559.942	560.122	557.352
Ca 370.602	5080	5121	5076
Cd 226.502	542.252	545.726	540.050
Co 228.615	542.873	546.400	539.088
Cr 267.716	5268.33	5322.73	5286.27
Cu 324.754	5399.83	5499.55	5360.57
Fe 271.441	5186.67	5228.07	5171.81
K 766.491	10672.9	10753.7	10639.3
Mg 279.078	5394.67	5422.04	5357.64
Mn 257.610	5426.20	5443.67	5386.58
Mo 202.032	521.550	523.248	517.950
Na 330.237	8158.01	7943.53	8003.68
Ni 231.604	2737.81	2760.01	2730.00
Pb 220.353	511.757	515.694	512.384
Sb 206.834	983.766	995.253	991.704
Se 196.026	5477.02	5503.80	5454.01
Sn 189.925	5157.17	5215.64	5133.18
Sr 216.596	2562.76	2582.28	2560.47
Ti 334.941	506.965	511.206	506.680
Tl 190.794	5155.86	5168.31	5109.88
V 292.401	5148.50	5179.77	5116.70
Zn 206.200	2823.48	2812.74	2771.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	511.952	ppb	3.8792	0.8	33414.6
Al 308.215	5102.92	ppb	37.4151	0.7	9844.39
As 188.980	524.130	ppb	12.1608	2.3	207.343
B 249.678	663.724	ppb	8.8899	1.3	7587.71
Ba 389.178	5080.21	ppb	27.4964	0.5	92638.7
Be 313.042	559.138	ppb	1.5502	0.3	862546
Ca 370.602	5092	ppb	25.21	0.5	11942
Cd 226.502	542.676	ppb	2.8612	0.5	16556.1
Co 228.615	542.787	ppb	3.6570	0.7	4686.76
Cr 267.716	5292.45	ppb	27.7188	0.5	145810
Cu 324.754	5419.98	ppb	71.6463	1.3	252699
Fe 271.441	5195.52	ppb	29.1526	0.6	7681.27
K 766.491	10688.6	ppb	58.8367	0.6	290859
Mg 279.078	5391.45	ppb	32.3210	0.6	9729.76
Mn 257.610	5418.82	ppb	29.2524	0.5	1119746
Mo 202.032	520.916	ppb	2.7055	0.5	3260.27
Na 330.237	8035.08	ppb	110.632	1.4	353.342
Ni 231.604	2742.61	ppb	15.5708	0.6	6315.03
Pb 220.353	513.278	ppb	2.1154	0.4	696.737
Sb 206.834	990.241	ppb	5.8819	0.6	940.029
Se 196.026	5478.28	ppb	24.9201	0.5	2380.15
Sn 189.925	5168.66	ppb	42.4114	0.8	3277.51
Sr 216.596	2568.50	ppb	11.9856	0.5	21824.1
Ti 334.941	508.284	ppb	2.5350	0.5	110657
Tl 190.794	5144.69	ppb	30.7768	0.6	4226.12
V 292.401	5148.32	ppb	31.5382	0.6	118290
Zn 206.200	2802.69	ppb	27.2493	1.0	2614.24

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

CCB (Samp) 4/25/2013, 11:57:18 AM Rack 4, Tube 48
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1051u	-0.0624u	-0.4841u
Al 308.215	-0.7168u	0.0493	2.2674
As 188.980	-3.5257u	-5.1064u	3.0834
B 249.678	41.4769	38.2257	34.4052
Ba 389.178	0.0635	0.4101	0.7786
Be 313.042	-0.0158u	-0.0240u	-0.0037u
Ca 370.602	0.3222	2.563	3.178
Cd 226.502	0.1717	0.0041	-0.1233u
Co 228.615	-0.8016u	-0.4128u	-0.9923u
Cr 267.716	-0.1723u	0.0612	0.2926
Cu 324.754	-0.1098u	0.4621	0.4175
Fe 271.441	6.1483	0.7065	8.5305
K 766.491	-0.4956u	0.1234	-0.5103u
Mg 279.078	2.4494	3.7057	4.7784
Mn 257.610	-0.0747u	0.0284	0.0510
Mo 202.032	3.2581	2.7036	4.0162
Na 330.237	25.5749	32.8119	-28.9375u
Ni 231.604	1.7752	1.1413	1.0024
Pb 220.353	-0.0773u	-2.3627u	-6.2873u
Sb 206.834	0.9481	2.9300	1.3293
Se 196.026	4.0787	-4.3633u	5.6251
Sn 189.925	-1.5961u	0.7103	1.8906
Sr 216.596	-0.3731u	0.8387	-0.4440u
Ti 334.941	-0.0873u	-0.1183u	-0.0917u
Tl 190.794	-0.9668u	-2.4560u	-2.1393u
V 292.401	-0.2499u	-0.0624u	0.0207u
Zn 206.200	-1.0833u	-1.3015u	-0.8826u

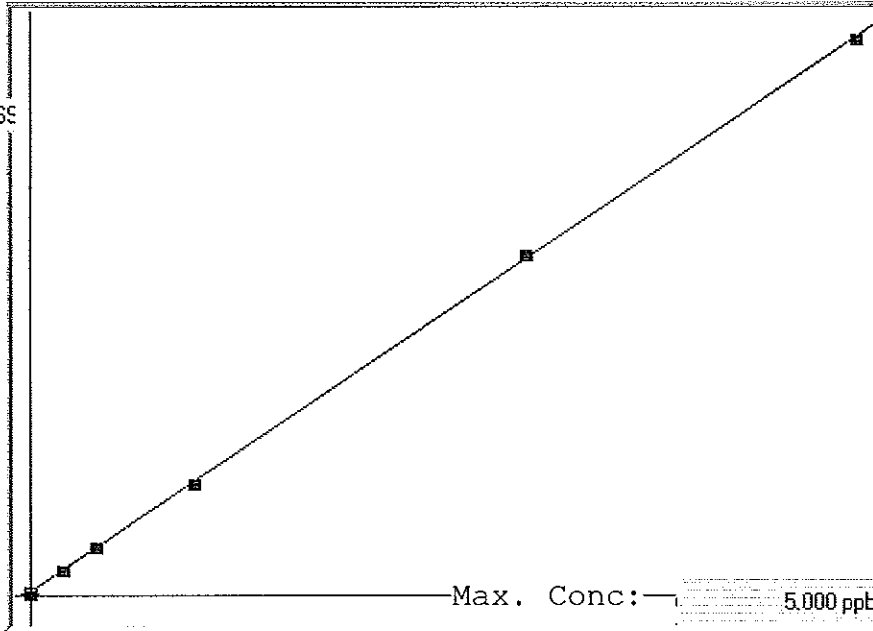
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2172	ppb	0.2321	106.9	-43.2325
Al 308.215	0.5333	ppb	1.5498	290.6	-31.5516
As 188.980	-1.8496	ppb	4.3445	234.9	-11.2577
B 249.678	38.0359	ppb	3.5397	9.3	887.487
Ba 389.178	0.4174	ppb	0.3576	85.7	-24.1336
Be 313.042	-0.0145	ppb	0.0102	70.6	-340.502
Ca 370.602	2.021	ppb	1.503	74.4	1.774
Cd 226.502	0.0175	ppb	0.1480	846.7	35.3883
Co 228.615	-0.7355	ppb	0.2953	40.2	-13.8337
Cr 267.716	0.0605	ppb	0.2324	384.4	-26.3293
Cu 324.754	0.2566	ppb	0.3181	124.0	156.691
Fe 271.441	5.1284	ppb	4.0105	78.2	35.4479
K 766.491	-0.2942	ppb	0.3617	123.0	184.368
Mg 279.078	3.6445	ppb	1.1657	32.0	39.7200
Mn 257.610	0.0016	ppb	0.0670	4321.7	50.3576
Mo 202.032	3.3260	ppb	0.6589	19.8	41.4443
Na 330.237	9.8163	ppb	33.7564	343.9	58.8192
Ni 231.604	1.3063	ppb	0.4120	31.5	-4.4916
Pb 220.353	-2.9091	ppb	3.1409	108.0	29.6064
Sb 206.834	1.7358	ppb	1.0516	60.6	0.8970
Se 196.026	1.7802	ppb	5.3763	302.0	10.1744
Sn 189.925	0.3349	ppb	1.7734	529.5	-7.9110
Sr 216.596	0.0072	ppb	0.7210	9991.5	21.7267
Ti 334.941	-0.0991	ppb	0.0168	16.9	-49.2732
Tl 190.794	-1.8540	ppb	0.7845	42.3	-11.9101
V 292.401	-0.0972	ppb	0.1386	142.6	-9.6375
Zn 206.200	-1.0891	ppb	0.2995	504.3	515.6820

Hg Norm2

Linear

μ Abs.:

21369



A= 0.0000e+000

B= 2.3443e-004

C= -3.0978e-002

Rho= 0.9999250

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	88	2.494	85	89	91		
0.2	0.200	0.208	0.008	1020	0.5 %	1013	1021	1026		
0.4	0.400	0.407	0.007	1866	0.4 %	1857	1876	1866		
1.0	1.000	0.976	-0.024	4293	0.1 %	4290	4297	4294		
3.0	3.000	3.041	0.041	13105	0.4 %	13056	13092	13168		
5.0	5.000	4.979	-0.021	21369	0.8 %	21165	21370	21572		

C04172013A

Method: Hg Norm2

Operator: Admin

Date of Analysis: 17 Apr 2013 13:46:47

Sample ID	Extended ID	Mean	RSD	Date
blank		88	2.8239	17 Apr 2013 13:48:55
0.2		1020	0.5249	17 Apr 2013 13:51:21
0.4		1866	0.4158	17 Apr 2013 13:53:49
1.0		4294	0.0668	17 Apr 2013 13:56:16
3.0		13105	0.3562	17 Apr 2013 13:58:42
5.0		21369	0.7776	17 Apr 2013 14:01:09
ICV		2.9933	0.7186	17 Apr 2013 14:03:35
ICB		-0.0114	-6.3335	17 Apr 2013 14:06:00
CRA		0.2054	0.2847	17 Apr 2013 14:08:26
CCV		2.4469	0.6874	17 Apr 2013 14:10:54
CCB		-0.0087	-4.3967	17 Apr 2013 14:13:21
mb 680-273176/1-a	(BCB)	0.0121	1.8298	17 Apr 2013 14:15:46
lcs 680-273176/2-a	(BCB)	2.4674	0.3853	17 Apr 2013 14:18:13
680-89300-a-1-b	(BCB)	0.7436	0.2011	17 Apr 2013 14:20:41
680-89300-a-2-b	(BCB)	HIGH	0.0000	17 Apr 2013 14:23:07
680-89300-a-3-b	(BCB)	1.9401	0.2079	17 Apr 2013 14:25:26
680-89300-a-5-a	(BCB)	0.3848	0.1747	17 Apr 2013 14:27:52
680-89300-a-6-a	(BCB)	2.0434	0.3890	17 Apr 2013 14:30:20
680-89300-a-10-c	(BCB)	1.4361	0.1793	17 Apr 2013 14:32:47
680-89300-a-11-a	(BCB)	1.5743	0.4728	17 Apr 2013 14:35:16
680-89275-a-26-b	(BCB)	4.9961	0.5364	17 Apr 2013 14:37:44
CCV		2.5936	0.6689	17 Apr 2013 14:40:12
CCB		-0.0085	-4.5184	17 Apr 2013 14:42:38
680-89275-a-26-c ms	(BCB)	5.0743	0.3733	17 Apr 2013 14:45:05
680-89275-a-26-d msd	(BCB)	5.3996	0.1917	17 Apr 2013 14:47:32
680-89275-a-27-b	(BCB)	3.9773	0.0784	17 Apr 2013 14:50:00
680-89275-a-28-b	(BCB)	5.5274	0.6229	17 Apr 2013 14:52:27
680-89267-a-1-a	(BCB)	0.3286	0.1009	17 Apr 2013 14:54:53
680-89267-a-2-a	(BCB)	0.1552	0.7225	17 Apr 2013 14:57:19
680-89328-b-8-d	(BCB)	2.8334	0.4831	17 Apr 2013 14:59:47
680-89328-b-8-e ms	(BCB)	3.5250	0.6034	17 Apr 2013 15:02:15
680-89328-b-8-f msd	(BCB)	3.6187	0.1925	17 Apr 2013 15:04:41
680-89328-b-10-b	(BCB)	1.6546	1.1977	17 Apr 2013 15:07:07
CCV		2.4792	0.7273	17 Apr 2013 15:09:34
CCB		-0.0068	-11.8002	17 Apr 2013 15:12:01
680-89328-b-15-b	(BCB)	1.7002	0.8119	17 Apr 2013 15:14:27
680-89328-a-33-b	(BCB)	1.7057	0.4506	17 Apr 2013 15:16:55
680-89328-a-34-b	(BCB)	2.5623	0.6575	17 Apr 2013 15:19:24
680-89328-a-35-b	(BCB)	2.2372	0.6168	17 Apr 2013 15:21:51
lb 680-272918/6-e	(BCB)	-0.0288	-2.7680	17 Apr 2013 15:24:19
680-89224-a-1-d	(BCB)	0.0273	11.9188	17 Apr 2013 15:26:46
680-89224-a-1-e ms	(BCB)	0.9343	1.1269	17 Apr 2013 15:29:13
680-89224-a-1-f msd	(BCB)	0.9275	0.8053	17 Apr 2013 15:31:40
mb 680-273194/1-a	(BCB)	-0.0356	-1.6432	17 Apr 2013 15:34:07
lcs 680-273194/2-a	(BCB)	2.5760	0.1412	17 Apr 2013 15:36:33
CCV		2.4590	0.8478	17 Apr 2013 15:39:01
CCB		-0.0087	-5.8164	17 Apr 2013 15:41:27
640-43136-b-1-c	(BCB)	0.2427	0.1642	17 Apr 2013 15:43:53
640-43136-b-1-d ms	(BCB)	1.2802	0.1426	17 Apr 2013 15:46:20
640-43136-b-1-e msd	(BCB)	1.2207	0.8708	17 Apr 2013 15:48:47
640-43136-b-3-c	(BCB)	0.3927	0.1227	17 Apr 2013 15:51:14
640-43136-b-2-c	(BCB)	0.1262	0.3156	17 Apr 2013 15:53:42
640-43136-b-4-c	(BCB)	0.1095	0.7063	17 Apr 2013 15:56:10
640-43136-b-5-c	(BCB)	0.4161	0.6189	17 Apr 2013 15:58:38
640-43136-b-6-c	(BCB)	0.1143	1.5197	17 Apr 2013 16:01:05
680-89344-a-1-a	(BCB)	0.2347	1.1456	17 Apr 2013 16:03:32

C04172013A

Method: Hg Norm2

Operator: Admin

Date of Analysis: 17 Apr 2013 13:46:47

Sample ID	Extended ID	Mean	RSD	Date
680-89368-c-1-a	(BCB)	0.0148	2.6897	17 Apr 2013 16:05:58
CCV		2.5425	0.3387	17 Apr 2013 16:08:25
CCB		-0.0106	-4.7856	17 Apr 2013 16:10:53
680-89368-c-2-a	(BCB)	0.0394	2.9588	17 Apr 2013 16:13:19
680-89364-a-1-a	(BCB)	0.1698	1.1516	17 Apr 2013 16:15:47
CCV		2.5913	0.2696	17 Apr 2013 16:18:14
CCB		-0.0082	-6.7716	17 Apr 2013 16:20:41
CCV		2.5492	0.3763	17 Apr 2013 17:17:22
CCB		-0.0088	-3.3282	17 Apr 2013 17:19:49
680-89300-a-2-b	^50(BCB)	1.8601	0.7408	17 Apr 2013 17:22:14
680-89300-a-3-b	(BCB)	1.9382	0.4835	17 Apr 2013 17:24:41
680-89300-a-5-a	(BCB)	0.3949	0.2487	17 Apr 2013 17:27:07
680-89275-a-26-b	^2(BCB)	2.5722	0.4393	17 Apr 2013 17:29:33
680-89275-a-26-c ms	^2(BCB)	2.5707	0.5650	17 Apr 2013 17:32:00
680-89275-a-26-d msd	^2(BCB)	2.7206	0.1062	17 Apr 2013 17:34:26
680-89275-a-28-b	^2(BCB)	2.7848	0.0344	17 Apr 2013 17:36:53
CCV		2.5977	0.7935	17 Apr 2013 17:39:21
CCB		-0.0060	-4.8960	17 Apr 2013 17:41:48

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Batch Number: 273045 Batch Start Date: 04/15/13 10:41 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/15/13 16:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS LCS1 WK 00001	MS LCS2 wk 00143
MB 680-273045/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-273045/3		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL	2 mL		
680-89328-B-8	HP0202C-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-89328-B-8 MS	HP0202C-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL		1 mL	1 mL
680-89328-B-8 MSD	HP0202C-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL		1 mL	1 mL
680-89328-B-10	CV0224B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-89328-B-15	CV0993A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-89328-A-33	CV0993A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-89328-A-34	HP0202C-CS-SP (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL			
680-89328-A-35	CV0224B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 680-273045/1		3050B, 6010C							
LCS 680-273045/3		3050B, 6010C		SN LCS					
680-89328-B-8	HP0202C-CS-SP	3050B, 6010C	T						
680-89328-B-8 MS	HP0202C-CS-SP	3050B, 6010C	T						
680-89328-B-8 MSD	HP0202C-CS-SP	3050B, 6010C	T						
680-89328-B-10	CV0224B-CS	3050B, 6010C	T						
680-89328-B-15	CV0993A-CS	3050B, 6010C	T						
680-89328-A-33	CV0993A-CS (sieve)	3050B, 6010C	T						
680-89328-A-34	HP0202C-CS-SP (sieve)	3050B, 6010C	T						
680-89328-A-35	CV0224B-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.: 680-89328-3

SDG No.: 68089328-3

Batch Number: 273045 Batch Start Date: 04/15/13 10:41 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/15/13 16:41

Batch Notes	
Analyst	JL
Balance ID	25
Blank Soil Lot Number	2958846
Hydrogen peroxide lot number	52223236
Lot # of hydrochloric acid	3053716
Lot # of Nitric Acid	3053710
Hood ID or number	FH-8
Hot Block ID number	10
Nominal Amount Used	1.0 g
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
Temperature	96 Degrees C
ID number of the thermometer	MEPREP15
Digestion Tube/Cup Lot #	J157274-263-100

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89328-3

SDG No.: 68089328-3

Batch Number: 273176 Batch Start Date: 04/16/13 09:45 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/16/13 15:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment	
MB 680-273176/1		7471B, 7471B		0.52 g	50 mL				
LCS 680-273176/2		7471B, 7471B		0.54 g	50 mL		0.25 mL		
680-89328-B-8	HP0202C-CS-SP	7471B, 7471B	T	0.58 g	50 mL				
680-89328-B-8 MS	HP0202C-CS-SP	7471B, 7471B	T	0.54 g	50 mL		0.1 mL		
680-89328-B-8 MSD	HP0202C-CS-SP	7471B, 7471B	T	0.55 g	50 mL		0.1 mL		
680-89328-B-10	CV0224B-CS	7471B, 7471B	T	0.54 g	50 mL				
680-89328-B-15	CV0993A-CS	7471B, 7471B	T	0.56 g	50 mL				
680-89328-A-33	CV0993A-CS (sieve)	7471B, 7471B	T	0.53 g	50 mL				
680-89328-A-34	HP0202C-CS-SP (sieve)	7471B, 7471B	T	0.53 g	50 mL				
680-89328-A-35	CV0224B-CS (sieve)	7471B, 7471B	T	0.53 g	50 mL				
CCV 680-273176/36		7471B, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-273176/37		7471B, 7471B		50 mL	50 mL				
ICV 680-273176/39		7471B, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-273176/40		7471B, 7471B		50 mL	50 mL				
CRA 680-273176/41		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.: 680-89328-3

SDG No.: 68089328-3

Batch Number: 273176 Batch Start Date: 04/16/13 09:45 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/16/13 15:50

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046698
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	3038841
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	04/05/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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>200548-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>1</i> OF <i>2</i>
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(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	<i>2L PAH</i>	<i>200548-1356</i>												

STANDARD REPORT DELIVERY

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: _____

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

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>4-11-13</i>	<i>0850</i>	<i>HP0040A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0850</i>	<i>HP0040A-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0900</i>	<i>HP0040B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0953</i>	<i>HP0083A-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0959</i>	<i>HP0083B-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1052</i>	<i>HP0202A-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1107</i>	<i>HP0202B-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1116</i>	<i>HP0202C-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>											
	<i>1325</i>	<i>CV0224A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1333</i>	<i>CV0224B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>											
	<i>0840</i>	<i>CV0401A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0851</i>	<i>CV0401B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-12-13</i>	TIME <i>1300</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>4/13/13</i>	TIME <i>0927</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-89328</i>	LABORATORY REMARKS <i>2.4°C</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: 35th Ave Removal PROJECT NO.: 2005148-1356 PROJECT LOCATION (STATE): AL MATRIX TYPE: REQUIRED ANALYSIS: PAGE 2 OF 3

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable):

STANDARD REPORT DELIVERY DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: _____

PRESERVATIVE

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	INDICATE AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS										REMARKS		
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12
4-11-B	0916	CV0405A-CS	C	X			X													
	0924	CV0405B-CS	C	X			X													
	0930	CV0993A-CS	C	X			X	X												
	0940	CV0993B-CS	C	X			X													
	1030	CV1290A-CS	C	X			X													
	1450	CV1117A-CS	C	X			X													
	1500	CV1117B-CS	C	X			X													
	1510	CV1117C-GS	G	X			X													
	1310	CV1216A-CS		X			X													
	1320	CV1216B-CS		X			X													
	1340	CV1335A-CS		X			X													
	1350	CV1335B-CS		X			X													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 4-12-B	TIME 1300	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 4/11/13	TIME 0927	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-89328	LABORATORY REMARKS 2.4°C
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Savannah, GA 31404

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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>3</i>
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(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE

AQUEOUS (WATER)

SOLID OR SEMISOLID

AIR

NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

2 LL PAH
ROOAS METALS

STANDARD REPORT DELIVERY

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

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>4-11-13</i>	<i>1410</i>	<i>CV1350A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
<i>4-11-13</i>	<i>1420</i>	<i>CV1350B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
<i>4-12-13</i>	<i>0840</i>	<i>CV0695A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0840</i>	<i>CV0695A-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0850</i>	<i>CV0695B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0905</i>	<i>CV0676A-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0848</i>	<i>CV0676B-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>0918</i>	<i>CV0676C-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>												
<i>4-11-13</i>	<i>0930</i>	<i>CV0993A-CS (sieve)</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1116</i>	<i>HP0202C-CS-SP (sieve)</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1333</i>	<i>CV0224B-CS (sieve)</i>	<i>C</i>	<i>X</i>			<i>X</i>												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-12-13</i>	TIME <i>1300</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>4/13/13</i>	TIME <i>0927</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-89328</i>	LABORATORY REMARKS <i>2.4°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: 680-89328-3

TestAmerica Sample Delivery Group: 68089328-3

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/25/2013 5:48:54 PM

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: 680-89328-3
SDG: 68089328-3

Job ID: 680-89328-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89328-3

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

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

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

RECEIPT

The samples were received on 04/13/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 C.

METALS (ICP)

Samples HP0202C-CS-SP (680-89328-8), CV0224B-CS (680-89328-10), CV0993A-CS (680-89328-15), CV0993A-CS (sieve) (680-89328-33), HP0202C-CS-SP (sieve) (680-89328-34) and CV0224B-CS (sieve) (680-89328-35) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/15/2013 and analyzed on 04/18/2013 and 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample HP0202C-CS-SP (680-89328-8) in batch 680-274404. Also, Arsenic, Chromium, Lead and Silver exceeded the rpd limit.

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 analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples HP0202C-CS-SP (680-89328-8), CV0224B-CS (680-89328-10), CV0993A-CS (680-89328-15), CV0993A-CS (sieve) (680-89328-33), HP0202C-CS-SP (sieve) (680-89328-34) and CV0224B-CS (sieve) (680-89328-35) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/16/2013 and analyzed on 04/17/2013.

No difficulties were encountered during the mercury analyses.

All 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: 680-89328-3
SDG: 68089328-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89328-8	HP0202C-CS-SP	Solid	04/11/13 11:16	04/13/13 09:27
680-89328-10	CV0224B-CS	Solid	04/11/13 13:33	04/13/13 09:27
680-89328-15	CV0993A-CS	Solid	04/11/13 09:30	04/13/13 09:27
680-89328-33	CV0993A-CS (sieve)	Solid	04/11/13 09:30	04/13/13 09:27
680-89328-34	HP0202C-CS-SP (sieve)	Solid	04/11/13 11:16	04/13/13 09:27
680-89328-35	CV0224B-CS (sieve)	Solid	04/11/13 13:33	04/13/13 09:27

Method Summary

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

TestAmerica Job ID: 680-89328-3
SDG: 68089328-3

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL TAM
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

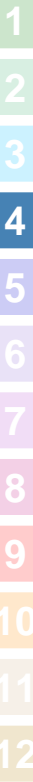
EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427



Definitions/Glossary

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

TestAmerica Job ID: 680-89328-3
SDG: 68089328-3

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
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: 680-89328-3
 SDG: 68089328-3

Client Sample ID: HP0202C-CS-SP

Lab Sample ID: 680-89328-8

Date Collected: 04/11/13 11:16

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 80.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	45		2.4	0.72	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Barium	730		1.2	0.37	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Cadmium	4.9		0.61	0.12	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Chromium	99		1.2	0.61	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Lead	420		1.2	0.65	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Selenium	3.1	U	3.1	1.2	mg/Kg	☼	04/15/13 10:41	04/18/13 05:53	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	04/15/13 10:41	04/25/13 06:55	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	0.30		0.021	0.0087	mg/Kg	☼	04/16/13 09:45	04/17/13 14:59	1

Client Sample ID: CV0224B-CS

Lab Sample ID: 680-89328-10

Date Collected: 04/11/13 13:33

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	52		2.3	0.67	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Barium	330		1.1	0.34	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Cadmium	2.9		0.57	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Chromium	32		1.1	0.57	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Lead	340		1.1	0.60	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Selenium	1.5	J	2.8	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1
Silver	0.24	J	1.1	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.022	0.0089	mg/Kg	☼	04/16/13 09:45	04/17/13 15:07	1

Client Sample ID: CV0993A-CS

Lab Sample ID: 680-89328-15

Date Collected: 04/11/13 09:30

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	38		2.2	0.66	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Barium	300		1.1	0.34	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Cadmium	3.5		0.56	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Chromium	89		1.1	0.56	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Lead	270		1.1	0.59	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.021	0.0086	mg/Kg	☼	04/16/13 09:45	04/17/13 15:14	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Client Sample ID: CV0993A-CS (sieve)

Lab Sample ID: 680-89328-33

Date Collected: 04/11/13 09:30

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		2.2	0.66	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Barium	330		1.1	0.34	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Cadmium	2.7		0.56	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Chromium	67		1.1	0.56	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Lead	320		1.1	0.59	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	1
Silver	0.54	J	1.1	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:44	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		0.022	0.0090	mg/Kg	☼	04/16/13 09:45	04/17/13 15:16	1

Client Sample ID: HP0202C-CS-SP (sieve)

Lab Sample ID: 680-89328-34

Date Collected: 04/11/13 11:16

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 81.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.2	0.64	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Barium	540		1.1	0.32	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Cadmium	5.0		0.54	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Chromium	94		1.1	0.54	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Lead	450		1.1	0.57	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	04/15/13 10:41	04/18/13 06:49	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	0.30		0.023	0.0095	mg/Kg	☼	04/16/13 09:45	04/17/13 15:19	1

Client Sample ID: CV0224B-CS (sieve)

Lab Sample ID: 680-89328-35

Date Collected: 04/11/13 13:33

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 84.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	51		2.4	0.69	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Barium	290		1.2	0.35	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Cadmium	2.9		0.59	0.12	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Chromium	31		1.2	0.59	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Lead	390		1.2	0.62	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1
Silver	0.37	J	1.2	0.11	mg/Kg	☼	04/15/13 10:41	04/18/13 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.022	0.0092	mg/Kg	☼	04/16/13 09:45	04/17/13 15:21	1

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-273045/1-A
Matrix: Solid
Analysis Batch: 273539

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 273045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.58	mg/Kg		04/15/13 10:41	04/18/13 04:29	1
Barium	0.98	U	0.98	0.29	mg/Kg		04/15/13 10:41	04/18/13 04:29	1
Cadmium	0.49	U	0.49	0.098	mg/Kg		04/15/13 10:41	04/18/13 04:29	1
Chromium	0.98	U	0.98	0.49	mg/Kg		04/15/13 10:41	04/18/13 04:29	1
Lead	0.98	U	0.98	0.52	mg/Kg		04/15/13 10:41	04/18/13 04:29	1
Selenium	2.5	U	2.5	0.98	mg/Kg		04/15/13 10:41	04/18/13 04:29	1
Silver	0.98	U	0.98	0.094	mg/Kg		04/15/13 10:41	04/18/13 04:29	1

Lab Sample ID: LCS 680-273045/3-A
Matrix: Solid
Analysis Batch: 273539

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 273045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.6	21.6		mg/Kg		110	75 - 125
Barium	19.6	19.6		mg/Kg		100	75 - 125
Cadmium	19.6	20.6		mg/Kg		105	75 - 125
Chromium	19.6	20.9		mg/Kg		106	75 - 125
Lead	19.6	19.9		mg/Kg		101	75 - 125
Selenium	19.6	19.3		mg/Kg		98	75 - 125
Silver	19.6	20.0		mg/Kg		102	75 - 125

Lab Sample ID: 680-89328-8 MS
Matrix: Solid
Analysis Batch: 273539

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	45		12.2	48.8	F	mg/Kg	☼	35	75 - 125
Barium	730		12.2	665	4	mg/Kg	☼	-536	75 - 125
Cadmium	4.9		6.12	11.2		mg/Kg	☼	102	75 - 125
Chromium	99		12.2	126	4	mg/Kg	☼	224	75 - 125
Lead	420		6.12	401	4	mg/Kg	☼	-315	75 - 125
Selenium	3.1	U	12.2	11.4		mg/Kg	☼	93	75 - 125

Lab Sample ID: 680-89328-8 MS
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	1.2	U	6.12	1.18	J F	mg/Kg	☼	19	75 - 125

Lab Sample ID: 680-89328-8 MSD
Matrix: Solid
Analysis Batch: 273539

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273045

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	45		12.0	61.9	F	mg/Kg	☼	144	75 - 125	24	20
Barium	730		12.0	642	4	mg/Kg	☼	-740	75 - 125	4	20
Cadmium	4.9		6.00	11.5		mg/Kg	☼	109	75 - 125	3	20
Chromium	99		12.0	162	4 F	mg/Kg	☼	529	75 - 125	25	20

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-89328-8 MSD
Matrix: Solid
Analysis Batch: 273539

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273045

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Lead	420		6.00	536	4 F	mg/Kg	☼	1932	75 - 125	29	20	
Selenium	3.1	U	12.0	11.7		mg/Kg	☼	98	75 - 125	3	20	

Lab Sample ID: 680-89328-8 MSD
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273045

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Silver	1.2	U	6.00	1.47	F	mg/Kg	☼	24	75 - 125	21	20	

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

Lab Sample ID: MB 680-273176/1-A
Matrix: Solid
Analysis Batch: 273523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 273176

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.019	U	0.019	0.0079	mg/Kg		04/16/13 09:45	04/17/13 14:15	1

Lab Sample ID: LCS 680-273176/2-A
Matrix: Solid
Analysis Batch: 273523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 273176

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Mercury	0.231	0.228		mg/Kg		99	80 - 120	

Lab Sample ID: 680-89328-8 MS
Matrix: Solid
Analysis Batch: 273523

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273176

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Mercury	0.30		0.114	0.403		mg/Kg	☼	89	80 - 120	

Lab Sample ID: 680-89328-8 MSD
Matrix: Solid
Analysis Batch: 273523

Client Sample ID: HP0202C-CS-SP
Prep Type: Total/NA
Prep Batch: 273176

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Mercury	0.30		0.112	0.407		mg/Kg	☼	93	80 - 120	1	20	

QC Association Summary

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Metals

Prep Batch: 273045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-8	HP0202C-CS-SP	Total/NA	Solid	3050B	
680-89328-8 MS	HP0202C-CS-SP	Total/NA	Solid	3050B	
680-89328-8 MSD	HP0202C-CS-SP	Total/NA	Solid	3050B	
680-89328-10	CV0224B-CS	Total/NA	Solid	3050B	
680-89328-15	CV0993A-CS	Total/NA	Solid	3050B	
680-89328-33	CV0993A-CS (sieve)	Total/NA	Solid	3050B	
680-89328-34	HP0202C-CS-SP (sieve)	Total/NA	Solid	3050B	
680-89328-35	CV0224B-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-273045/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-273045/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 273176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-8	HP0202C-CS-SP	Total/NA	Solid	7471B	
680-89328-8 MS	HP0202C-CS-SP	Total/NA	Solid	7471B	
680-89328-8 MSD	HP0202C-CS-SP	Total/NA	Solid	7471B	
680-89328-10	CV0224B-CS	Total/NA	Solid	7471B	
680-89328-15	CV0993A-CS	Total/NA	Solid	7471B	
680-89328-33	CV0993A-CS (sieve)	Total/NA	Solid	7471B	
680-89328-34	HP0202C-CS-SP (sieve)	Total/NA	Solid	7471B	
680-89328-35	CV0224B-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-273176/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-273176/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 273523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-8	HP0202C-CS-SP	Total/NA	Solid	7471B	273176
680-89328-8 MS	HP0202C-CS-SP	Total/NA	Solid	7471B	273176
680-89328-8 MSD	HP0202C-CS-SP	Total/NA	Solid	7471B	273176
680-89328-10	CV0224B-CS	Total/NA	Solid	7471B	273176
680-89328-15	CV0993A-CS	Total/NA	Solid	7471B	273176
680-89328-33	CV0993A-CS (sieve)	Total/NA	Solid	7471B	273176
680-89328-34	HP0202C-CS-SP (sieve)	Total/NA	Solid	7471B	273176
680-89328-35	CV0224B-CS (sieve)	Total/NA	Solid	7471B	273176
LCS 680-273176/2-A	Lab Control Sample	Total/NA	Solid	7471B	273176
MB 680-273176/1-A	Method Blank	Total/NA	Solid	7471B	273176

Analysis Batch: 273539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-8	HP0202C-CS-SP	Total/NA	Solid	6010C	273045
680-89328-8 MS	HP0202C-CS-SP	Total/NA	Solid	6010C	273045
680-89328-8 MSD	HP0202C-CS-SP	Total/NA	Solid	6010C	273045
680-89328-10	CV0224B-CS	Total/NA	Solid	6010C	273045
680-89328-15	CV0993A-CS	Total/NA	Solid	6010C	273045
680-89328-33	CV0993A-CS (sieve)	Total/NA	Solid	6010C	273045
680-89328-34	HP0202C-CS-SP (sieve)	Total/NA	Solid	6010C	273045
680-89328-35	CV0224B-CS (sieve)	Total/NA	Solid	6010C	273045
LCS 680-273045/3-A	Lab Control Sample	Total/NA	Solid	6010C	273045
MB 680-273045/1-A	Method Blank	Total/NA	Solid	6010C	273045

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-89328-3
SDG: 68089328-3

Metals (Continued)

Analysis Batch: 274404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-8	HP0202C-CS-SP	Total/NA	Solid	6010C	273045
680-89328-8 MS	HP0202C-CS-SP	Total/NA	Solid	6010C	273045
680-89328-8 MSD	HP0202C-CS-SP	Total/NA	Solid	6010C	273045

General Chemistry

Analysis Batch: 136561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-8	HP0202C-CS-SP	Total/NA	Solid	Moisture	
680-89328-8 MS	HP0202C-CS-SP	Total/NA	Solid	Moisture	
680-89328-8 MSD	HP0202C-CS-SP	Total/NA	Solid	Moisture	
680-89328-10	CV0224B-CS	Total/NA	Solid	Moisture	
680-89328-15	CV0993A-CS	Total/NA	Solid	Moisture	

Analysis Batch: 273198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89328-33	CV0993A-CS (sieve)	Total/NA	Solid	Moisture	
680-89328-34	HP0202C-CS-SP (sieve)	Total/NA	Solid	Moisture	
680-89328-35	CV0224B-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Client Sample ID: HP0202C-CS-SP

Lab Sample ID: 680-89328-8

Date Collected: 04/11/13 11:16

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273176	04/16/13 09:45	UU	TAL SAV
Total/NA	Analysis	7471B		1	273523	04/17/13 14:59	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273539	04/18/13 05:53	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 06:55	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136561	04/18/13 09:02	AG	TAL TAM

Client Sample ID: CV0224B-CS

Lab Sample ID: 680-89328-10

Date Collected: 04/11/13 13:33

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273176	04/16/13 09:45	UU	TAL SAV
Total/NA	Analysis	7471B		1	273523	04/17/13 15:07	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273539	04/18/13 06:21	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136561	04/18/13 09:02	AG	TAL TAM

Client Sample ID: CV0993A-CS

Lab Sample ID: 680-89328-15

Date Collected: 04/11/13 09:30

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273176	04/16/13 09:45	UU	TAL SAV
Total/NA	Analysis	7471B		1	273523	04/17/13 15:14	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273539	04/18/13 06:27	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136561	04/18/13 09:02	AG	TAL TAM

Client Sample ID: CV0993A-CS (sieve)

Lab Sample ID: 680-89328-33

Date Collected: 04/11/13 09:30

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273176	04/16/13 09:45	UU	TAL SAV
Total/NA	Analysis	7471B		1	273523	04/17/13 15:16	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273539	04/18/13 06:44	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273198	04/16/13 11:52	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Client Sample ID: HP0202C-CS-SP (sieve)

Lab Sample ID: 680-89328-34

Date Collected: 04/11/13 11:16

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273176	04/16/13 09:45	UU	TAL SAV
Total/NA	Analysis	7471B		1	273523	04/17/13 15:19	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273539	04/18/13 06:49	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273198	04/16/13 11:52	FS	TAL SAV

Client Sample ID: CV0224B-CS (sieve)

Lab Sample ID: 680-89328-35

Date Collected: 04/11/13 13:33

Matrix: Solid

Date Received: 04/13/13 09:27

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273176	04/16/13 09:45	UU	TAL SAV
Total/NA	Analysis	7471B		1	273523	04/17/13 15:21	BCB	TAL SAV
Total/NA	Prep	3050B			273045	04/15/13 10:41	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273539	04/18/13 06:55	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273198	04/16/13 11:52	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
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Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>200548-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>1</i> OF <i>2</i>
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(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

LLPAH
RECH 8 Minerals

PRESERVATIVE

STANDARD REPORT DELIVERY

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

COMPANY CONTRACTING THIS WORK (if applicable)

Page 14 of 20

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>4-11-13</i>	<i>0850</i>	<i>HP0040A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>0850</i>	<i>HP0040A-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>0900</i>	<i>HP0040B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>0953</i>	<i>HP0083A-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>0959</i>	<i>HP0083B-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1052</i>	<i>HP0202A-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1107</i>	<i>HP0202B-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1116</i>	<i>HP0202C-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>														
	<i>1325</i>	<i>CV0224A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1333</i>	<i>CV0224B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>														
	<i>0840</i>	<i>CV0401A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>0851</i>	<i>CV0401B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-12-13</i>	TIME <i>1300</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>4/13/13</i>	TIME <i>0927</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-89328</i>	LABORATORY REMARKS <i>2.4°C</i>	

4/25/2013



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 2	3 OF
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(b) (6)

STANDARD REPORT DELIVERY

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE		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	
4-11-B	0916	CV0405A-CS	C	X			X											
	0924	CV0405B-CS	C	X			X											
	0930	CV0993A-CS	C	X			X	X										
	0940	CV0993B-CS	C	X			X											
	1030	CV1290A-CS	C	X			X											
	1450	CV1117A-CS	C	X			X											
	1500	CV1117B-CS	C	X			X											
	1510	CV1117C-GS	G	X			X											
	1310	CV1216A-CS			X		X											
	1320	CV1216B-CS			X		X											
	1340	CV1335A-CS			X		X											
	1350	CV1335B-CS			X		X											

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 4-12-08	TIME 1300	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 4/13/08	TIME 0927	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-89328	LABORATORY REMARKS 2.4°C
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4/23/2013



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>3</i>
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(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

*2 LL PAH
RCCAS METALS*

PRESERVATIVE

STANDARD REPORT DELIVERY
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE)
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS										REMARKS						
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12				
<i>4-11-13</i>	<i>1410</i>	<i>CV1350A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
<i>4-11-13</i>	<i>1420</i>	<i>CV1350B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
<i>4-12-13</i>	<i>0840</i>	<i>CV0695A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>0840</i>	<i>CV0695A-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>0850</i>	<i>CV0695B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>0905</i>	<i>CV0676A-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>0848</i>	<i>CV0676B-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>0918</i>	<i>CV0676C-CS-SP</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
<i>4-11-13</i>	<i>0930</i>	<i>CV0993A-CS (sieve)</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1116</i>	<i>HP0202C-CS-SP (sieve)</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1333</i>	<i>CV0224B-CS (sieve)</i>	<i>C</i>	<i>X</i>			<i>X</i>																	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-12-13</i>	TIME <i>1300</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

LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/13/13</i>	TIME <i>0927</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-89328</i>	LABORATORY REMARKS <i>2.4°C</i>	

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4/23/2013

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89328-3

SDG Number: 68089328-3

Login Number: 89328

List Number: 1

Creator: Conner, Keaton

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 680-89328-3

SDG Number: 68089328-3

Login Number: 89328

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

List Creation: 04/16/13 11:53 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 legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

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

TestAmerica Job ID: 680-89328-3
 SDG: 68089328-3

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13
Georgia	State Program	4	905	06-30-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

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

TestAmerica Job ID: 680-89328-3
SDG: 68089328-3

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00177	04-20-14

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