

**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: Sarah Choyke / Martha Meyers-Lee, URS Group

Project No: 15268508.20000
 Job ID.: 680-89513-3
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date Collected: 04/18/13
 Date: 05/13/13
 Date: 05/16/13

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.			✓		
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.59 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.5 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 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 041513-RB-Shovel (680-89421-10) was collected during the week of 4/15/13. 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 680-89421-2.	
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: 04/24/2013-04/25/2013, instrument ICPF. One blank and one standard initially per analytical batch. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 7471B: 04/23/2013-04/24/2013, 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 	✓			Mercury correlation coefficient: <ul style="list-style-type: none"> • 7471B: ICAL of 04/23/2013 is 0.9995476 (page 252) 	

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 					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: <ul style="list-style-type: none"> ○ If >120%R (or >>true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ If <50%R, J- flag positive results and R-flag non-detects 	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? <ul style="list-style-type: none"> ○ Soil: <ul style="list-style-type: none"> • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects ○ Aqueous: <ul style="list-style-type: none"> • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results 	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits ($\leq 20\%$ RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	

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 273873: 680-89513-23 (CV1321B-CS), MS/MSD 7471B: Prep Batch 274148: 680-89513-23 (CV1321B-CS), MS/MSD 	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?		✓		<ul style="list-style-type: none"> 6010C: <ul style="list-style-type: none"> 680-89459-12 (CV1066B-CS-SP), which was reported under Job ID 680-89459-3. Although MS/MSD results did not meet control limits during the analysis of sample for 680-89513-23 (CV1321B-CS), a PDS analysis was not conducted. 	
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> If not, <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 		✓		CV1321B-CS (680-89513-23) [Note: PDS analysis not conducted]: <ul style="list-style-type: none"> 6010C: <ul style="list-style-type: none"> Arsenic @ 135 and 107 %R (75-125). Qualification of the data is not necessary². Barium @ -221 and 50 %R (75-125). An evaluation of interference is not possible based on MS and MSD results³. Chromium @ 145 and 81 %R (75-125). An evaluation of interference is not possible based on MS and MSD results³. Lead @ -601 and 1141 %R (75-125). An evaluation of interference is not possible based on MS and MSD results³. Silver @ 76 and 21 %R (75-125). Qualification of the data is not necessary². 7471B: Mercury @ 182 and 127 %R (80-120), J+ flag sample result. 	J+

² The recovery of either the MS or MSD fell within control limits.
³ The native sample concentration is greater than 4x the MS/MSD 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 >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 • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results 					
27. Were laboratory/project ($\leq 20\%$ 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> <ul style="list-style-type: none"> ○ If RPD >20%, J and UJ flag positive and non-detect results. 		✓		CV1321B-CS (680-89513-23), 6010C: Silver @ 92%RPD (≤ 20). J Flag	J
28. Was a serial dilution conducted for 6010C?	✓			6010C: 680-89459-12 (CV1066B-CS-SP), which was reported under Job ID 680-89459-3.	
29. Is the serial dilution parent sample a project-specific sample?		✓		See Above	
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ○ If %D >10, J and UJ flag positive and non-detect results, respectively. 			✓		
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ○ If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively. 			✓		
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Attachment B (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<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: 680-89513-3
SDG: 68089513-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89513-18	CV0998A-CS	Solid	04/18/13 13:50	04/19/13 08:50
680-89513-19	CV1087A-CS	Solid	04/18/13 13:10	04/19/13 08:50
680-89513-23	CV1321A-CS	Solid	04/18/13 12:20	04/19/13 08:50
680-89513-26	CV0998A-CS (sieve)	Solid	04/18/13 13:50	04/19/13 08:50
680-89513-27	CV1087A-CS (sieve)	Solid	04/18/13 13:10	04/19/13 08:50
680-89513-28	CV1321A-CS (sieve)	Solid	04/18/13 12:20	04/19/13 08:50

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ATTACHMENT B

CASE NARRATIVE

Case Narrative

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

TestAmerica Job ID: 680-89513-3
SDG: 68089513-3

Job ID: 680-89513-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89513-3

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 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7 C.

METALS (ICP)

Samples CV0998A-CS (680-89513-18), CV1087A-CS (680-89513-19), CV1321A-CS (680-89513-23), CV0998A-CS (sieve) (680-89513-26), CV1087A-CS (sieve) (680-89513-27) and CV1321A-CS (sieve) (680-89513-28) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/22/2013 and analyzed on 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1321A-CS (680-89513-23) in batch 680-274404. Also, Silver exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0998A-CS (680-89513-18), CV1087A-CS (680-89513-19), CV1321A-CS (680-89513-23), CV0998A-CS (sieve) (680-89513-26), CV1087A-CS (sieve) (680-89513-27) and CV1321A-CS (sieve) (680-89513-28) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/23/2013 and analyzed on 04/24/2013.

Sample CV1087A-CS (sieve) (680-89513-27)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1321A-CS (680-89513-23) in batch 680-274238.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT C
QUALIFIED SAMPLE RESULTS

Client Sample Results

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

Client Sample ID: CV0998A-CS

Lab Sample ID: 680-89513-18

Date Collected: 04/18/13 13:50
 Date Received: 04/19/13 08:50

Matrix: Solid
 Percent Solids: 82.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.4	0.70	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Barium	270		1.2	0.35	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Cadmium	3.3		0.59	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Chromium	91		1.2	0.59	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Lead	460		1.2	0.63	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Silver	0.33	J	1.2	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	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	0.38		0.022	0.0091	mg/Kg	☼	04/23/13 17:13	04/24/13 10:00	1

Client Sample ID: CV1087A-CS

Lab Sample ID: 680-89513-19

Date Collected: 04/18/13 13:10
 Date Received: 04/19/13 08:50

Matrix: Solid
 Percent Solids: 85.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	43		2.2	0.64	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Barium	170		1.1	0.33	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Cadmium	0.13	J	0.54	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Chromium	110		1.1	0.54	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Lead	150		1.1	0.57	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	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	0.34		0.021	0.0086	mg/Kg	☼	04/23/13 17:13	04/24/13 10:02	1

Client Sample ID: CV1321A-CS

Lab Sample ID: 680-89513-23

Date Collected: 04/18/13 12:20
 Date Received: 04/19/13 08:50

Matrix: Solid
 Percent Solids: 76.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	32		2.3	0.69	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Barium	510		1.2	0.35	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Cadmium	2.6		0.58	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Chromium	77		1.2	0.58	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Lead	550		1.2	0.62	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Silver	0.67	J J	1.2	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32	J+	0.025	0.010	mg/Kg	☼	04/23/13 17:13	04/24/13 10:05	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: 680-89513-3
 SDG: 68089513-3

Client Sample ID: CV0998A-CS (sieve)

Lab Sample ID: 680-89513-26

Date Collected: 04/18/13 13:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 80.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.3	0.67	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Barium	340		1.1	0.34	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Cadmium	3.4		0.57	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Chromium	95		1.1	0.57	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Lead	540		1.1	0.60	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Silver	0.33	J	1.1	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	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	0.39		0.023	0.0093	mg/Kg	☼	04/23/13 17:13	04/24/13 10:17	1

Client Sample ID: CV1087A-CS (sieve)

Lab Sample ID: 680-89513-27

Date Collected: 04/18/13 13:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 83.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.3	0.69	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Barium	270		1.2	0.35	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Cadmium	0.85		0.58	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Chromium	79		1.2	0.58	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Lead	220		1.2	0.62	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	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	0.54		0.041	0.017	mg/Kg	☼	04/23/13 17:13	04/24/13 11:33	2

Client Sample ID: CV1321A-CS (sieve)

Lab Sample ID: 680-89513-28

Date Collected: 04/18/13 12:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 75.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		2.6	0.76	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Barium	510		1.3	0.39	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Cadmium	2.9		0.65	0.13	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Chromium	69		1.3	0.65	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Lead	580		1.3	0.69	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Selenium	3.2	U	3.2	1.3	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Silver	0.61	J	1.3	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	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	0.38		0.025	0.010	mg/Kg	☼	04/23/13 17:13	04/24/13 10:22	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: 680-89513-3

SDG Number: 68089513-3

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
4/29/2013 12:42 PM

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

04/29/2013

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

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

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89513-3

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 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7 C.

METALS (ICP)

Samples CV0998A-CS (680-89513-18), CV1087A-CS (680-89513-19), CV1321A-CS (680-89513-23), CV0998A-CS (sieve) (680-89513-26), CV1087A-CS (sieve) (680-89513-27) and CV1321A-CS (sieve) (680-89513-28) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/22/2013 and analyzed on 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1321A-CS (680-89513-23) in batch 680-274404. Also, Silver exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0998A-CS (680-89513-18), CV1087A-CS (680-89513-19), CV1321A-CS (680-89513-23), CV0998A-CS (sieve) (680-89513-26), CV1087A-CS (sieve) (680-89513-27) and CV1321A-CS (sieve) (680-89513-28) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/23/2013 and analyzed on 04/24/2013.

Sample CV1087A-CS (sieve) (680-89513-27)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1321A-CS (680-89513-23) in batch 680-274238.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89513-3
Sdg Number: 68089513-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89513-18	CV0998A-CS	Solid	04/18/2013 1350	04/19/2013 0850
680-89513-19	CV1087A-CS	Solid	04/18/2013 1310	04/19/2013 0850
680-89513-23	CV1321A-CS	Solid	04/18/2013 1220	04/19/2013 0850
680-89513-23MS	CV1321A-CS	Solid	04/18/2013 1220	04/19/2013 0850
680-89513-23MSD	CV1321A-CS	Solid	04/18/2013 1220	04/19/2013 0850
680-89513-26	CV0998A-CS (sieve)	Solid	04/18/2013 1350	04/19/2013 0850
680-89513-27	CV1087A-CS (sieve)	Solid	04/18/2013 1310	04/19/2013 0850
680-89513-28	CV1321A-CS (sieve)	Solid	04/18/2013 1220	04/19/2013 0850

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89513-3

Sdg Number: 68089513-3

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: 680-89513-3

Sdg Number: 68089513-3

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: 680-89513-3

Sdg Number: 68089513-3

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.
	W	PS: Post-digestion spike was outside control limits
	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: 680-89513-3

Sdg Number: 68089513-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 680-273873					
LCS 680-273873/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-273873/1-A	Method Blank	T	Solid	3050B	
680-89513-18	CV0998A-CS	T	Solid	3050B	
680-89513-19	CV1087A-CS	T	Solid	3050B	
680-89513-23	CV1321A-CS	T	Solid	3050B	
680-89513-23MS	Matrix Spike	T	Solid	3050B	
680-89513-23MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-89513-26	CV0998A-CS (sieve)	T	Solid	3050B	
680-89513-27	CV1087A-CS (sieve)	T	Solid	3050B	
680-89513-28	CV1321A-CS (sieve)	T	Solid	3050B	
Prep Batch: 680-274148					
LCS 680-274148/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-274148/1-A	Method Blank	T	Solid	7471B	
680-89513-18	CV0998A-CS	T	Solid	7471B	
680-89513-19	CV1087A-CS	T	Solid	7471B	
680-89513-23	CV1321A-CS	T	Solid	7471B	
680-89513-23MS	Matrix Spike	T	Solid	7471B	
680-89513-23MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-89513-26	CV0998A-CS (sieve)	T	Solid	7471B	
680-89513-27	CV1087A-CS (sieve)	T	Solid	7471B	
680-89513-28	CV1321A-CS (sieve)	T	Solid	7471B	
Analysis Batch:680-274238					
LCS 680-274148/2-A	Lab Control Sample	T	Solid	7471B	680-274148
MB 680-274148/1-A	Method Blank	T	Solid	7471B	680-274148
680-89513-18	CV0998A-CS	T	Solid	7471B	680-274148
680-89513-19	CV1087A-CS	T	Solid	7471B	680-274148
680-89513-23	CV1321A-CS	T	Solid	7471B	680-274148
680-89513-23MS	Matrix Spike	T	Solid	7471B	680-274148
680-89513-23MSD	Matrix Spike Duplicate	T	Solid	7471B	680-274148
680-89513-26	CV0998A-CS (sieve)	T	Solid	7471B	680-274148
680-89513-27	CV1087A-CS (sieve)	T	Solid	7471B	680-274148
680-89513-28	CV1321A-CS (sieve)	T	Solid	7471B	680-274148

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89513-3

Sdg Number: 68089513-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-274404					
LCS 680-273873/3-A	Lab Control Sample	T	Solid	6010C	680-273873
MB 680-273873/1-A	Method Blank	T	Solid	6010C	680-273873
680-89513-18	CV0998A-CS	T	Solid	6010C	680-273873
680-89513-19	CV1087A-CS	T	Solid	6010C	680-273873
680-89513-23	CV1321A-CS	T	Solid	6010C	680-273873
680-89513-23MS	Matrix Spike	T	Solid	6010C	680-273873
680-89513-23MSD	Matrix Spike Duplicate	T	Solid	6010C	680-273873
680-89513-26	CV0998A-CS (sieve)	T	Solid	6010C	680-273873
680-89513-27	CV1087A-CS (sieve)	T	Solid	6010C	680-273873
680-89513-28	CV1321A-CS (sieve)	T	Solid	6010C	680-273873

Report Basis

T = Total

General Chemistry

Analysis Batch:660-136656					
680-89513-18	CV0998A-CS	T	Solid	Moisture	
680-89513-19	CV1087A-CS	T	Solid	Moisture	
680-89513-23	CV1321A-CS	T	Solid	Moisture	
680-89513-23MS	Matrix Spike	T	Solid	Moisture	
680-89513-23MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:680-273917					
680-89513-26	CV0998A-CS (sieve)	T	Solid	Moisture	
680-89513-27	CV1087A-CS (sieve)	T	Solid	Moisture	
680-89513-28	CV1321A-CS (sieve)	T	Solid	Moisture	

Report Basis

T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89513-3

SDG No.: 68089513-3

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV0998A-CS</u>	<u>680-89513-18</u>
<u>CV1087A-CS</u>	<u>680-89513-19</u>
<u>CV1321A-CS</u>	<u>680-89513-23</u>
<u>CV0998A-CS (sieve)</u>	<u>680-89513-26</u>
<u>CV1087A-CS (sieve)</u>	<u>680-89513-27</u>
<u>CV1321A-CS (sieve)</u>	<u>680-89513-28</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0998A-CS Lab Sample ID: 680-89513-18
 Lab Name: TestAmerica Savannah Job No.: 680-89513-3
 SDG ID.: 68089513-3
 Matrix: Solid Date Sampled: 04/18/2013 13:50
 Reporting Basis: DRY Date Received: 04/19/2013 08:50
 % Solids: 82.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.4	0.70	mg/Kg			1	6010C
7440-39-3	Barium	270	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	3.3	0.59	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	91	1.2	0.59	mg/Kg			1	6010C
7439-92-1	Lead	460	1.2	0.63	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.33	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.38	0.022	0.0091	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1087A-CS Lab Sample ID: 680-89513-19
 Lab Name: TestAmerica Savannah Job No.: 680-89513-3
 SDG ID.: 68089513-3
 Matrix: Solid Date Sampled: 04/18/2013 13:10
 Reporting Basis: DRY Date Received: 04/19/2013 08:50
 % Solids: 85.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	43	2.2	0.64	mg/Kg			1	6010C
7440-39-3	Barium	170	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	0.13	0.54	0.11	mg/Kg	J		1	6010C
7440-47-3	Chromium	110	1.1	0.54	mg/Kg			1	6010C
7439-92-1	Lead	150	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	0.34	0.021	0.0086	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1321A-CS

Lab Sample ID: 680-89513-23

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

SDG ID.: 68089513-3

Matrix: Solid

Date Sampled: 04/18/2013 12:20

Reporting Basis: DRY

Date Received: 04/19/2013 08:50

% Solids: 76.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	2.3	0.69	mg/Kg			1	6010C
7440-39-3	Barium	510	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	2.6	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	77	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	550	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	0.67	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.32	0.025	0.010	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0998A-CS (sieve) Lab Sample ID: 680-89513-26
 Lab Name: TestAmerica Savannah Job No.: 680-89513-3
 SDG ID.: 68089513-3
 Matrix: Solid Date Sampled: 04/18/2013 13:50
 Reporting Basis: DRY Date Received: 04/19/2013 08:50
 % Solids: 80.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	2.3	0.67	mg/Kg			1	6010C
7440-39-3	Barium	340	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	3.4	0.57	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	95	1.1	0.57	mg/Kg			1	6010C
7439-92-1	Lead	540	1.1	0.60	mg/Kg			1	6010C
7782-49-2	Selenium	2.8	2.8	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	0.33	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.39	0.023	0.0093	mg/Kg			1	7471B

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: CV1087A-CS (sieve)

Lab Sample ID: 680-89513-27

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

SDG ID.: 68089513-3

Matrix: Solid

Date Sampled: 04/18/2013 13:10

Reporting Basis: DRY

Date Received: 04/19/2013 08:50

% Solids: 83.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	2.3	0.69	mg/Kg			1	6010C
7440-39-3	Barium	270	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	0.85	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	79	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	220	1.2	0.62	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.54	0.041	0.017	mg/Kg			2	7471B

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS

Client Sample ID: CV1321A-CS (sieve)

Lab Sample ID: 680-89513-28

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

SDG ID.: 68089513-3

Matrix: Solid

Date Sampled: 04/18/2013 12:20

Reporting Basis: DRY

Date Received: 04/19/2013 08:50

% Solids: 75.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	2.6	0.76	mg/Kg			1	6010C
7440-39-3	Barium	510	1.3	0.39	mg/Kg			1	6010C
7440-43-9	Cadmium	2.9	0.65	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	69	1.3	0.65	mg/Kg			1	6010C
7439-92-1	Lead	580	1.3	0.69	mg/Kg			1	6010C
7782-49-2	Selenium	3.2	3.2	1.3	mg/Kg	U		1	6010C
7440-22-4	Silver	0.61	1.3	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.38	0.025	0.010	mg/Kg			1	7471B

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

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 680-274404/145 04/25/2013 07:23				CCV 680-274404/157 04/25/2013 08:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	973		1000	97	514		500	103	499		500	100
Barium	1030		1000	103	5280		5000	106	5120		5000	102
Cadmium	1040		1000	104	548		500	110	532		500	106
Chromium	1020		1000	102	5410		5000	108	5240		5000	105
Lead	1000		1000	100	520		500	104	502		500	100
Selenium	969		1000	97	5350		5000	107	5230		5000	105
Silver	978		1000	98	514		500	103	500		500	100

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	CCV 680-274404/169 04/25/2013 09:47				CCV 680-274404/181 04/25/2013 10:55							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	521		500	104	517		500	103				
Barium	5170		5000	103	5130		5000	103				
Cadmium	541		500	108	542		500	108				
Chromium	5380		5000	108	5330		5000	107				
Lead	515		500	103	512		500	102				
Selenium	5360		5000	107	5420		5000	108				
Silver	510		500	102	511		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.: 680-89513-3

SDG No.: 68089513-3

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-274048/29-A 04/23/2013 15:03				CCV 680-274048/26-A 04/24/2013 09:13				CCV 680-274048/26-A 04/24/2013 09:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.12		3.00	104	2.90		2.50	116	2.83		2.50	113

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.: 680-89513-3

SDG No.: 68089513-3

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-274048/26-A 04/24/2013 10:12				CCV 680-274048/26-A 04/24/2013 10:34				CCV 680-274048/26-A 04/24/2013 11:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.91		2.50	116	2.97		2.50	119	2.96		2.50	118

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.: 680-89513-3

SDG No.: 68089513-3

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-274048/26-A 04/24/2013 11:36											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.90		2.50	116								

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.: 680-89513-3
 SDG No.: 68089513-3
 Method: 6010C Instrument ID: ICPE
 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.: 680-89513-3
 SDG No.: 68089513-3
 Method: 7471B Instrument ID: LEEMAN2
 Lab Sample ID: CRA 680-274048/31-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	0.181	J	91	50-150

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-274404/6 04/24/2013 18:25		CCB 680-274404/146 04/25/2013 07:29		CCB 680-274404/158 04/25/2013 08:37		CCB 680-274404/170 04/25/2013 09:53	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	8.99	J	20	U	20	U	20	U
Barium	10	10	U	10	U	10	U	10	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Chromium	10	10	U	10	U	10	U	10	U
Lead	10	10	U	10	U	10	U	10	U
Selenium	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.: 680-89513-3

SDG No.: 68089513-3

Concentration Units: ug/L

Analyte	RL	CCB 680-274404/182 04/25/2013 11:01							
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U						
Barium	10	10	U						
Cadmium	5.0	5.0	U						
Chromium	10	10	U						
Lead	10	10	U						
Selenium	25	25	U						
Silver	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Concentration Units: ug/L

Analyte	RL	ICB 680-274048/30-A 04/23/2013 15:05		CCB 680-274048/27-A 04/24/2013 09:16		CCB 680-274048/27-A 04/24/2013 09:45		CCB 680-274048/27-A 04/24/2013 10:14	
		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.: 680-89513-3

SDG No.: 68089513-3

Concentration Units: ug/L

Analyte	RL	CCB 680-274048/27-A 04/24/2013 10:36		CCB 680-274048/27-A 04/24/2013 11:23		CCB 680-274048/27-A 04/24/2013 11:38		Found	C
		Found	C	Found	C	Found	C		
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3
SDG No.: 68089513-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-273873/1-A
Instrument Code: ICPE Batch No.: 274404

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6010C
7440-39-3	Barium	1.0	U		6010C
7440-43-9	Cadmium	0.50	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7782-49-2	Selenium	2.5	U		6010C
7440-22-4	Silver	1.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3
SDG No.: 68089513-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-274148/1-A
Instrument Code: LEEMAN2 Batch No.: 274238

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

SDG No.: 68089513-3

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 Solution A	Found Solution A	Percent Recovery
Arsenic		6.55	
Barium		-3.16	
Cadmium		0.917	
Chromium		0.739	
Lead		-3.09	
Selenium		0.0880	
Silver		0.215	
<i>Aluminum</i>	<i>500000</i>	<i>585798</i>	<i>117</i>
<i>Antimony</i>		<i>6.54</i>	
<i>Beryllium</i>		<i>-0.162</i>	
<i>Boron</i>		<i>-37.4</i>	
<i>Calcium</i>	<i>500000</i>	<i>503109</i>	<i>101</i>
<i>Cobalt</i>		<i>0.675</i>	
<i>Copper</i>		<i>-0.637</i>	
<i>Iron</i>	<i>200000</i>	<i>194000</i>	<i>97</i>
<i>Magnesium</i>	<i>500000</i>	<i>545017</i>	<i>109</i>
<i>Manganese</i>		<i>0.293</i>	
<i>Molybdenum</i>		<i>0.843</i>	
<i>Nickel</i>		<i>4.45</i>	
<i>Potassium</i>		<i>0.657</i>	
<i>Sodium</i>		<i>-238</i>	
<i>Strontium</i>		<i>7.85</i>	
<i>Thallium</i>		<i>-7.98</i>	
<i>Tin</i>		<i>-5.73</i>	
<i>Titanium</i>		<i>-0.394</i>	
<i>Vanadium</i>		<i>0.941</i>	
<i>Zinc</i>		<i>7.25</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.: 680-89513-3
 SDG No.: 68089513-3
 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	
Arsenic	100	114	114
Barium	500	539	108
Cadmium	1000	1047	105
Chromium	500	538	108
Lead	50.0	50.3	101
Selenium	50.0	43.6	87
Silver	200	227	114
<i>Aluminum</i>	<i>500000</i>	<i>603856</i>	<i>121</i>
<i>Antimony</i>	<i>600</i>	<i>633</i>	<i>105</i>
<i>Beryllium</i>	<i>500</i>	<i>528</i>	<i>106</i>
<i>Boron</i>		<i>-43.6</i>	
<i>Calcium</i>	<i>500000</i>	<i>519293</i>	<i>104</i>
<i>Cobalt</i>	<i>500</i>	<i>523</i>	<i>105</i>
<i>Copper</i>	<i>500</i>	<i>589</i>	<i>118</i>
<i>Iron</i>	<i>200000</i>	<i>199644</i>	<i>100</i>
<i>Magnesium</i>	<i>500000</i>	<i>561941</i>	<i>112</i>
<i>Manganese</i>	<i>500</i>	<i>533</i>	<i>107</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1120</i>	<i>112</i>
<i>Nickel</i>	<i>1000</i>	<i>1022</i>	<i>102</i>
<i>Potassium</i>		<i>-0.614</i>	
<i>Sodium</i>		<i>-494</i>	
<i>Strontium</i>		<i>9.46</i>	
<i>Thallium</i>	<i>100</i>	<i>91.3</i>	<i>91</i>
<i>Tin</i>	<i>1000</i>	<i>1080</i>	<i>108</i>
<i>Titanium</i>		<i>-6.80</i>	
<i>Vanadium</i>	<i>500</i>	<i>516</i>	<i>103</i>
<i>Zinc</i>	<i>1000</i>	<i>1001</i>	<i>100</i>

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

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: CV1321A-CS MS

Lab ID: 680-89513-23 MS

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

SDG No.: 68089513-3

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 76.6

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	47.8	32	11.7	135	75-125	F	6010C
Barium	481	510	11.7	-221	75-125	4	6010C
Cadmium	8.58	2.6	5.83	102	75-125		6010C
Chromium	94.0	77	11.7	145	75-125	4	6010C
Lead	516	550	5.83	-601	75-125	4	6010C
Selenium	11.7	2.9 U	11.7	100	75-125		6010C
Silver	5.12	0.67 J	5.83	76	75-125		6010C
Mercury	0.537	0.32	0.119	182	80-120	F	7471B

SSR = Spiked Sample Result

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

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: CV1321A-CS MSD Lab ID: 680-89513-23 MSD
 Lab Name: TestAmerica Savannah Job No.: 680-89513-3
 SDG No.: 68089513-3
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 76.6

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	44.4	11.6	107	75-125	7	20		6010C
Barium	513	11.6	50	75-125	6	20	4	6010C
Cadmium	8.66	5.78	105	75-125	1	20		6010C
Chromium	86.4	11.6	81	75-125	8	20	4	6010C
Lead	617	5.78	1141	75-125	18	20	4	6010C
Selenium	10.8	11.6	93	75-125	8	20		6010C
Silver	1.89	5.78	21	75-125	92	20	F	6010C
Mercury	0.469	0.117	127	80-120	13	20	F	7471B

SDR = Sample Duplicate Result

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

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: _____ Lab ID: 680-89459-B-12-A PDS
 Lab Name: TestAmerica Savannah Job No.: 680-89513-3
 SDG No.: 68089513-3
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	309	38	249	109	75-125		6010C
Barium	835	590	249	97	75-125		6010C
Cadmium	8.77	2.4	6.21	102	75-125		6010C
Chromium	81.7	57	24.9	100	75-125		6010C
Lead	577	530	62.1	71	75-125	W	6010C
Selenium	264	3.1	249	106	75-125		6010C
Silver	6.94	0.42	6.21	105	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 680-273873/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.2	21.9		114	75	125		6010C
Barium	19.2	20.4		106	75	125		6010C
Cadmium	19.2	21.4		111	75	125		6010C
Chromium	19.2	21.3		111	75	125		6010C
Lead	19.2	20.1		104	75	125		6010C
Selenium	19.2	20.9		109	75	125		6010C
Silver	19.2	20.7		108	75	125		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-274148/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00091

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.250	0.300		120	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: 680-89459-B-12-A SD ^5

SDG No: 68089513-3

Lab Name: TestAmerica Savannah

Job No: 680-89513-3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	38	42.7	13	V	6010C
Barium	590	621	4.6		6010C
Cadmium	2.4	2.22 J	NC		6010C
Chromium	57	59.9	5.2		6010C
Lead	530	563	5.8		6010C
Selenium	3.1 U	16 U	NC		6010C
Silver	0.42 J	6.2 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: 680-89513-3

SDG Number: 68089513-3

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: 680-89513-3

SDG Number: 68089513-3

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: 680-89513-3

SDG Number: 68089513-3

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: 680-89513-3
SDG Number: 68089513-3
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: 680-89513-3

SDG No.: 68089513-3

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: 680-89513-3

SDG No.: 68089513-3

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.: 680-89513-3

SDG No.: 68089513-3

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-273873/1-A	04/22/2013 09:31	273873	1.00		100
LCS 680-273873/3-A	04/22/2013 09:31	273873	1.04		100
680-89513-18	04/22/2013 09:31	273873	1.03		100
680-89513-19	04/22/2013 09:31	273873	1.08		100
680-89513-23	04/22/2013 09:31	273873	1.12		100
680-89513-23 MS	04/22/2013 09:31	273873	1.12		100
680-89513-23 MSD	04/22/2013 09:31	273873	1.13		100
680-89513-26	04/22/2013 09:31	273873	1.09		100
680-89513-27	04/22/2013 09:31	273873	1.03		100
680-89513-28	04/22/2013 09:31	273873	1.03		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89513-3

SDG No.: 68089513-3

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-274148/1-A	04/23/2013 17:13	274148	0.51		50
LCS 680-274148/2-A	04/23/2013 17:13	274148	0.50		50
680-89513-18	04/23/2013 17:13	274148	0.55		50
680-89513-19	04/23/2013 17:13	274148	0.56		50
680-89513-23	04/23/2013 17:13	274148	0.53		50
680-89513-23 MS	04/23/2013 17:13	274148	0.55		50
680-89513-23 MSD	04/23/2013 17:13	274148	0.56		50
680-89513-26	04/23/2013 17:13	274148	0.55		50
680-89513-27	04/23/2013 17:13	274148	0.58		50
680-89513-28	04/23/2013 17:13	274148	0.54		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

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	A s	B a	C d	C r	P b	S e									
ZZZZZZ			17:56																
ZZZZZZ			18:00																
ZZZZZZ			18:04																
ZZZZZZ			18:11																
ICV 680-274404/5	1		18:19	X	X	X	X	X	X	X									
ICBIS 680-274404/6	1		18:25	X	X	X	X	X	X	X									
CRI 680-274404/7	1		18:30	X	X	X	X	X	X	X									
ICSA 680-274404/8	1		18:36	X	X	X	X	X	X	X									
ICSAB 680-274404/9	1		18:42	X	X	X	X	X	X	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.: 680-89513-3
 SDG No.: 68089513-3
 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	A s	B a	C d	C r	P b	S e									
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.: 680-89513-3

SDG No.: 68089513-3

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	A s	B a	C d	C r	P b	S e										
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.: 680-89513-3

SDG No.: 68089513-3

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	A s	B a	C d	C r	P b	S e									
ZZZZZZ			05:42																
ZZZZZZ			05:48																
ZZZZZZ			05:53																
ZZZZZZ			05:59																
ZZZZZZ			06:05																
ZZZZZZ			06:10																
CCV 680-274404/133			06:16																
CCB 680-274404/134			06:22																
ZZZZZZ			06:27																
ZZZZZZ			06:33																
ZZZZZZ			06:38																
ZZZZZZ			06:44																
ZZZZZZ			06:50																
ZZZZZZ			06:55																
ZZZZZZ			07:01																
ZZZZZZ			07:06																
ZZZZZZ			07:12																
ZZZZZZ			07:18																
CCV 680-274404/145	1		07:23	X	X	X	X	X	X	X									
CCB 680-274404/146	1		07:29	X	X	X	X	X	X	X									
MB 680-273873/1-A	1	T	07:35	X	X	X	X	X	X	X									
ZZZZZZ			07:40																
LCS 680-273873/3-A	1	T	07:46	X	X	X	X	X	X	X									
ZZZZZZ			07:51																
680-89459-B-12-A SD ^5	5	T	07:57	X	X	X	X	X	X	X									
680-89459-B-12-A PDS	1	T	08:03	X	X	X	X	X	X	X									
ZZZZZZ			08:08																
ZZZZZZ			08:14																
ZZZZZZ			08:20																
ZZZZZZ			08:25																
CCV 680-274404/157	1		08:31	X	X	X	X	X	X	X									
CCB 680-274404/158	1		08:37	X	X	X	X	X	X	X									
ZZZZZZ			08:42																
ZZZZZZ			08:48																
ZZZZZZ			08:53																
680-89513-18	1	T	08:59	X	X	X	X	X	X	X									
680-89513-19	1	T	09:05	X	X	X	X	X	X	X									
680-89513-23	1	T	09:10	X	X	X	X	X	X	X									
680-89513-23 MS	1	T	09:16	X	X	X	X	X	X	X									
680-89513-23 MSD	1	T	09:22	X	X	X	X	X	X	X									
680-89513-26	1	T	09:27	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

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	A s	B a	C d	C r	P b	S e																		
680-89513-27	1	T	09:33	X	X	X	X	X	X	X																		
CCV 680-274404/169	1		09:47	X	X	X	X	X	X	X																		
CCB 680-274404/170	1		09:53	X	X	X	X	X	X	X																		
680-89513-28	1	T	09:59	X	X	X	X	X	X	X																		
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	1		10:55	X	X	X	X	X	X	X																		
CCB 680-274404/182	1		11:01	X	X	X	X	X	X	X																		
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.: 680-89513-3

SDG No.: 68089513-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/23/2013 14:48 End Date: 04/24/2013 11:38

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				H g																			
IC 680-274048/19-A			14:48	X																			
IC 680-274048/20-A			14:50	X																			
IC 680-274048/21-A			14:53	X																			
IC 680-274048/22-A			14:55	X																			
IC 680-274048/23-A			14:58	X																			
IC 680-274048/24-A			15:00	X																			
ICV 680-274048/29-A	1		15:03	X																			
ICB 680-274048/30-A	1		15:05	X																			
CRA 680-274048/31-A	1		15:07	X																			
CCV 680-274048/26-A			15:10																				
CCB 680-274048/27-A			15:12																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				
ZZZZZZ			15:25																				
ZZZZZZ			15:27																				
ZZZZZZ			15:29																				
ZZZZZZ			15:32																				
ZZZZZZ			15:34																				
ZZZZZZ			15:37																				
CCV 680-274048/26-A			15:39																				
CCB 680-274048/27-A			15:42																				
ZZZZZZ			15:44																				
ZZZZZZ			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:51																				
ZZZZZZ			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
CCV 680-274048/26-A			16:04																				
CCB 680-274048/27-A			16:06																				
CCV 680-274048/26-A			17:41																				
CCB 680-274048/27-A			17:43																				
ZZZZZZ			17:46																				
ZZZZZZ			17:48																				
ZZZZZZ			17:51																				
ZZZZZZ			17:53																				
ZZZZZZ			17:56																				
ZZZZZZ			17:58																				
ZZZZZZ			18:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/23/2013 14:48 End Date: 04/24/2013 11:38

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
CCV 680-274048/26-A			18:03																
CCB 680-274048/27-A			18:05																
CCV 680-274048/26-A	1		09:13	X															
CCB 680-274048/27-A	1		09:16	X															
MB 680-274148/1-A	1	T	09:18	X															
LCS 680-274148/2-A	1	T	09:21	X															
ZZZZZZ			09:23																
ZZZZZZ			09:25																
ZZZZZZ			09:28																
ZZZZZZ			09:30																
ZZZZZZ			09:33																
ZZZZZZ			09:35																
ZZZZZZ			09:38																
ZZZZZZ			09:40																
CCV 680-274048/26-A	1		09:43	X															
CCB 680-274048/27-A	1		09:45	X															
ZZZZZZ			09:47																
ZZZZZZ			09:50																
ZZZZZZ			09:52																
ZZZZZZ			09:55																
ZZZZZZ			09:57																
680-89513-18	1	T	10:00	X															
680-89513-19	1	T	10:02	X															
680-89513-23	1	T	10:05	X															
680-89513-23 MS	1	T	10:07	X															
680-89513-23 MSD	1	T	10:10	X															
CCV 680-274048/26-A	1		10:12	X															
CCB 680-274048/27-A	1		10:14	X															
680-89513-26	1	T	10:17	X															
ZZZZZZ			10:19																
680-89513-28	1	T	10:22	X															
ZZZZZZ			10:24																
ZZZZZZ			10:27																
ZZZZZZ			10:29																
ZZZZZZ			10:32																
CCV 680-274048/26-A	1		10:34	X															
CCB 680-274048/27-A	1		10:36	X															
CCV 680-274048/26-A	1		11:21	X															
CCB 680-274048/27-A	1		11:23	X															
ZZZZZZ			11:26																
ZZZZZZ			11:28																
ZZZZZZ			11:31																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/23/2013 14:48 End Date: 04/24/2013 11:38

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
680-89513-27	2	T	11:33	X															
CCV 680-274048/26-A	1		11:36	X															
CCB 680-274048/27-A	1		11:38	X															

Prep Types
T = Total/NA

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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)

4/24/2013, 6:11:07 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	112.9	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	2.1405	29.5	9.4759	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	928.412	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	1.9	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

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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	120.9	-1.2547

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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	3.9	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	101.7	262.8159	-0.94591

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	-1.2651

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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	229.3	2.1423

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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	0.8087	109.6	2.0107

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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	209.7	2.3748

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	332.3	2.3428

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	98.7530

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

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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	190.547

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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	0.9	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	1.2026	155.1	262.4260

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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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680-89361-e-1-a (Samp) 4/24/2013, 9:07:28 PM Rack 1, Tube 59

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	2298.25	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	114.0	1.3348	-1.46043

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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	30.2	4.7967

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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	7.4254

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 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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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)

4/24/2013, 9:52:19 PM

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	2.3643

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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

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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	1.2232	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	109.464

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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	-1.5466

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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

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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	199.8	2.2644	-0.46608

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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	262.6441

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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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640-43172-c-3-a (Samp) 4/24/2013, 10:48:13 PM Rack 2, Tube 17

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	173.3	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	262.7197

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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

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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	26.2	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	121.8	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	2.0164

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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	121.6	-1.9883

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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	124.8	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	205.463

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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	1299030

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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	0.6393	40.5	4.1555

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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	131.1	-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

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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	0.4993	288.3	1.0914	-1.72083

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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	134.8	2.1218

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	681.6	-2.3858

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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	94.3	-1.8317

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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	2.1306

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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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	146.3	22.2102

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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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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	21.6755

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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	26.7103	-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	28.8	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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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	9.8222

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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	2.9507

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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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	200.462

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640-43209-a-13-a (Samp) **4/25/2013, 2:31:55 AM** **Rack 2, Tube 57**
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	2621800

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640-43209-a-13-aSD^5 (Samp) 4/25/2013, 2:37:31 AM Rack 2, Tube 58

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	23.3033

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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

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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	113.719

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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

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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	1.9015	-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	213.271

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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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	49.633

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

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

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	206.8	2.8565

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	165.5	-262.9785

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

680-89402-g-2-a (Samp) 4/25/2013, 4:13:00 AM Rack 3, Tube 15
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	0.3938	171.4	-1.9784

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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	201.868

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	22.1096

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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	26.1731

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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

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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	23.5009

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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	17.8	4.6709

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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	-262.7666

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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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 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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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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	9.8833

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

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	29.2831

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	11.5	17.1978

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

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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	2.5508

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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	42139

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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	222.5	262.5949	-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	108.483

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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

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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

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	283242

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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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	46.6	0.4599	-2.39549

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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	266.8	262.9919

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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

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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

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	1.0	1798.29

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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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	2710.87

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	4320.07

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

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

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	26.1044	-1.70687

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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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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

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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	26270.37

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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	2220.79

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

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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

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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	207.5	262.7859	-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

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

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

E04242013A.wvq. All Data Report 4/25/2013, 12:14:35 PM

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

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

mb 680-274276/1-a (Samp) 4/25/2013, 10:50:15 AM Rack 4, Tube 36

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	252.3	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

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	9.0129	6.74850

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ics 680-274276/2-a (Samp) 4/25/2013, 11:07:11 AM Rack 4, Tube 39

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

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	212.812

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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	21.908

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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

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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

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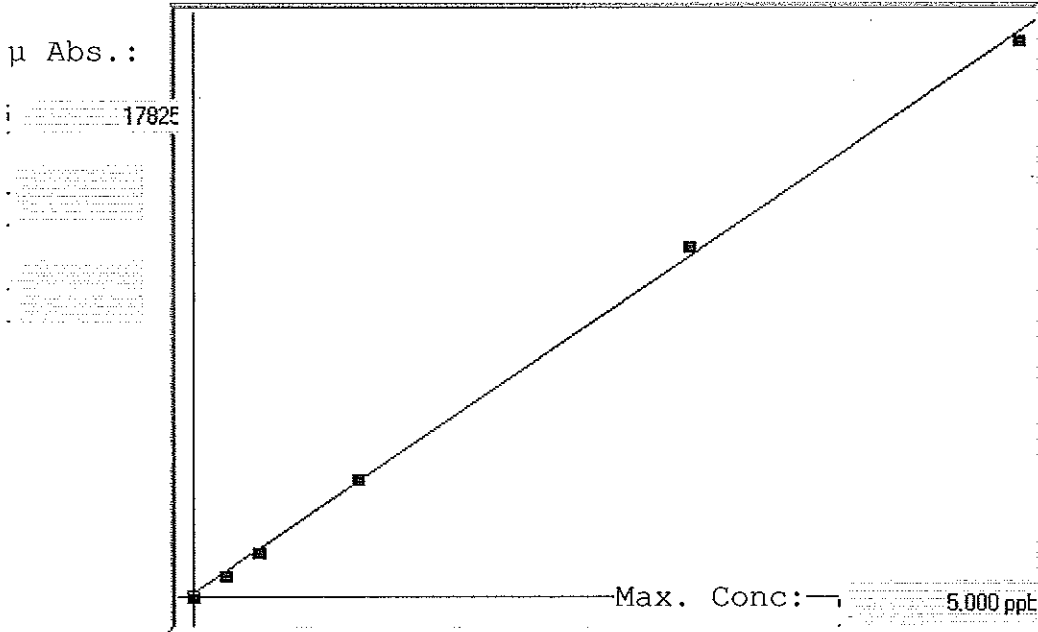
CCB (Samp) 4/25/2013, 11:57:18 AM Rack 4, Tube 48
 Weight: 1 Volume: 1 Dilution: 1

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	256.3	-262.6820

Hg Norm2

Linear



A= 0.0000e+000
 B= 2.7802e-004
 C= -2.5458e-002
 Rho= 0.9995476
 Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.020	-0.020	20	0.943	21	21	19		
0.2	0.200	0.175	-0.025	721	1.3 %	712	718	734		
0.4	0.400	0.383	-0.017	1468	0.1 %	1467	1469	1468		
1.0	1.000	1.026	0.026	3783	0.4 %	3798	3789	3763		
3.0	3.000	3.105	0.105	11260	0.3 %	11218	11256	11308		
5.0	5.000	4.930	-0.070	17825	0.3 %	17755	17831	17889		

C04232013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 23 Apr 2013 14:46:05

Sample ID	Extended ID	Mean	RSD	Date
blank		20	4.6368	23 Apr 2013 14:48:22
0.2		721	1.2873	23 Apr 2013 14:50:47
0.4		1468	0.0556	23 Apr 2013 14:53:14
1.0		3783	0.3922	23 Apr 2013 14:55:41
3.0		11261	0.3276	23 Apr 2013 14:58:09
5.0		17825	0.3078	23 Apr 2013 15:00:36
ICV		3.1221	0.6165	23 Apr 2013 15:03:02
ICB		-0.0208	-1.2588	23 Apr 2013 15:05:28
CRA		0.1813	0.3151	23 Apr 2013 15:07:54
CCV		2.7687	0.4578	23 Apr 2013 15:10:22
CCB		-0.0241	-5.2515	23 Apr 2013 15:12:48
mb 680-274048/1-a	(BCB)	-0.0177	-3.3984	23 Apr 2013 15:15:14
lcs 680-274048/2-a	(BCB)	2.6365	0.2961	23 Apr 2013 15:17:41
640-43102-b-1-b	(BCB)	0.1958	1.0522	23 Apr 2013 15:20:07
680-89517-b-2-a	(BCB)	0.2811	0.7675	23 Apr 2013 15:22:33
680-89517-b-3-a	(BCB)	0.0656	0.7199	23 Apr 2013 15:25:00
680-89517-b-4-a	(BCB)	0.0021	47.8765	23 Apr 2013 15:27:26
680-89517-b-5-a	(BCB)	0.0746	1.3939	23 Apr 2013 15:29:52
680-89517-b-6-a	(BCB)	0.3891	0.8713	23 Apr 2013 15:32:18
680-89517-b-7-a	(BCB)	0.0264	2.1607	23 Apr 2013 15:34:45
680-89517-b-8-a	(BCB)	0.0315	1.9044	23 Apr 2013 15:37:12
CCV		2.9185	0.3058	23 Apr 2013 15:39:39
CCB		-0.0209	-3.8114	23 Apr 2013 15:42:06
680-89459-b-12-d	(BCB)	20.5593	0.2297	23 Apr 2013 15:44:32
680-89459-b-12-e ms	(BCB)	24.6890	0.6613	23 Apr 2013 15:47:00
680-89459-b-12-f msd	(BCB)	26.8917	0.4598	23 Apr 2013 15:49:29
680-89459-b-16-b	(BCB)	2.5418	0.2837	23 Apr 2013 15:51:55
680-89459-b-30-b	(BCB)	1.8977	0.0967	23 Apr 2013 15:54:22
680-89459-a-33-b	(BCB)	2.7186	0.1970	23 Apr 2013 15:56:48
680-89459-a-34-b	(BCB)	27.8212	0.8620	23 Apr 2013 15:59:16
680-89459-a-35-b	(BCB)	2.6471	0.2652	23 Apr 2013 16:01:43
CCV		2.9475	0.6722	23 Apr 2013 16:04:10
CCB		-0.0268	-4.2705	23 Apr 2013 16:06:37
CCV		2.5600	0.2095	23 Apr 2013 17:41:24
CCB		-0.0243	-0.9324	23 Apr 2013 17:43:52
680-89459-b-12-d	^10(BCB)	2.0924	0.4649	23 Apr 2013 17:46:19
680-89459-b-12-e ms	^10(BCB)	2.4441	0.5553	23 Apr 2013 17:48:45
680-89459-b-12-f msd	^10(BCB)	2.7654	0.1093	23 Apr 2013 17:51:11
680-89459-b-16-b	(BCB)	2.6586	0.4947	23 Apr 2013 17:53:37
680-89459-b-30-b	(BCB)	1.8983	0.6121	23 Apr 2013 17:56:03
680-89459-a-34-b	^10(BCB)	2.8667	0.9305	23 Apr 2013 17:58:30
680-89459-a-35-b	(BCB)	2.6564	0.4422	23 Apr 2013 18:00:56
CCV		2.6398	1.3470	23 Apr 2013 18:03:22
CCB		-0.0231	-2.9969	23 Apr 2013 18:05:49
CCV		2.8950	1.0912	24 Apr 2013 09:13:41
CCB		-0.0202	-3.3755	24 Apr 2013 09:16:08
mb 680-274148/1-a	(BCB)	-0.0169	-3.8703	24 Apr 2013 09:18:34
lcs 680-274148/2-a	(BCB)	2.9976	0.4810	24 Apr 2013 09:21:02
680-89569-c-11-a	(BCB)	0.0832	0.8340	24 Apr 2013 09:23:28
680-89569-c-12-a	(BCB)	0.2362	0.3845	24 Apr 2013 09:25:55
680-89569-c-13-a	(BCB)	0.4640	0.7130	24 Apr 2013 09:28:22
680-89569-c-14-a	(BCB)	0.0254	4.4650	24 Apr 2013 09:30:50
680-89569-c-15-a	(BCB)	0.0933	0.6440	24 Apr 2013 09:33:17
680-89569-c-16-a	(BCB)	0.0079	17.4671	24 Apr 2013 09:35:44
680-89569-c-17-a	(BCB)	0.1207	1.9577	24 Apr 2013 09:38:10
680-89569-c-18-a	(BCB)	0.1778	0.2212	24 Apr 2013 09:40:36

C04232013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 23 Apr 2013 14:46:05

Sample ID	Extended ID	Mean	RSD	Date
CCV		2.8346	0.4007	24 Apr 2013 09:43:03
CCB		-0.0180	-0.7264	24 Apr 2013 09:45:30
680-89569-c-19-a	(BCB)	0.2008	0.6228	24 Apr 2013 09:47:56
680-89569-c-20-a	(BCB)	0.1237	0.8479	24 Apr 2013 09:50:24
680-89421-b-1-d	(BCB)	6.0275	0.2015	24 Apr 2013 09:52:53
680-89421-b-1-e ms	(BCB)	7.4632	0.4892	24 Apr 2013 09:55:20
680-89421-b-1-f msd	(BCB)	9.5082	0.4961	24 Apr 2013 09:57:47
680-89513-b-18-b	(BCB)	3.4455	0.4257	24 Apr 2013 10:00:12
680-89513-b-19-b	(BCB)	3.2199	0.1587	24 Apr 2013 10:02:40
680-89513-b-23-d	(BCB)	2.6022	0.1864	24 Apr 2013 10:05:06
680-89513-b-23-e ms	(BCB)	4.5200	0.8713	24 Apr 2013 10:07:34
680-89513-b-23-f msd	(BCB)	4.0236	0.6752	24 Apr 2013 10:10:00
CCV		2.9096	0.7872	24 Apr 2013 10:12:28
CCB		-0.0181	-0.7226	24 Apr 2013 10:14:55
680-89513-a-26-b	(BCB)	3.4152	0.3467	24 Apr 2013 10:17:22
680-89513-a-27-b	(BCB)	5.3535	0.1491	24 Apr 2013 10:19:49
680-89513-a-28-b	(BCB)	3.0858	0.5521	24 Apr 2013 10:22:16
lb 680-274109/3-b	(BCB)	-0.0163	0.0000	24 Apr 2013 10:24:43
680-89552-b-1-b	(BCB)	0.1719	1.5566	24 Apr 2013 10:27:10
680-89552-b-1-c ms	(BCB)	1.1840	1.7460	24 Apr 2013 10:29:36
680-89552-b-1-d msd	(BCB)	1.1399	0.4150	24 Apr 2013 10:32:02
CCV		2.9716	1.1348	24 Apr 2013 10:34:29
CCB		-0.0240	-4.4746	24 Apr 2013 10:36:56
CCV		2.9562	0.5685	24 Apr 2013 11:21:27
CCB		-0.0193	-5.3786	24 Apr 2013 11:23:54
680-89421-b-1-d	^2(BCB)	2.9554	0.4397	24 Apr 2013 11:26:20
680-89421-b-1-e ms	^2(BCB)	3.8515	0.2077	24 Apr 2013 11:28:46
680-89421-b-1-f msd	^2(BCB)	4.7756	0.4206	24 Apr 2013 11:31:11
680-89513-a-27-b	^2(BCB)	2.6326	0.2137	24 Apr 2013 11:33:37
CCV		2.8974	0.5526	24 Apr 2013 11:36:03
CCB		-0.0212	-3.4430	24 Apr 2013 11:38:30

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Batch Number: 273873 Batch Start Date: 04/22/13 09:31 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/22/13 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS LCS1 WK 00001	MS LCS2 wk 00144
MB 680-273873/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 680-273873/3		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL	2 mL		
680-89513-B-18	CV0998A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-89513-B-19	CV1087A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-89513-B-23	CV1321A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL			
680-89513-B-23	CV1321A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL		1 mL	1 mL
MS 680-89513-B-23	CV1321A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL		1 mL	1 mL
MSD 680-89513-A-26	CV0998A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-89513-A-27	CV1087A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-89513-A-28	CV1321A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 680-273873/1		3050B, 6010C							
LCS 680-273873/3		3050B, 6010C		SN LCS					
680-89513-B-18	CV0998A-CS	3050B, 6010C	T						
680-89513-B-19	CV1087A-CS	3050B, 6010C	T						
680-89513-B-23	CV1321A-CS	3050B, 6010C	T						
680-89513-B-23	CV1321A-CS	3050B, 6010C	T						
MS 680-89513-B-23	CV1321A-CS	3050B, 6010C	T						
MSD 680-89513-A-26	CV0998A-CS (sieve)	3050B, 6010C	T						
680-89513-A-27	CV1087A-CS (sieve)	3050B, 6010C	T						
680-89513-A-28	CV1321A-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.: 680-89513-3

SDG No.: 68089513-3

Batch Number: 273873 Batch Start Date: 04/22/13 09:31 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/22/13 15:00

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	3053707
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.: 680-89513-3

SDG No.: 68089513-3

Batch Number: 274048 Batch Start Date: 04/23/13 09:43 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 04/23/13 12:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment	
CCV 680-274048/26		7471A, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-274048/27		7471A, 7471B		50 mL	50 mL				
ICV 680-274048/29		7471A, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-274048/30		7471A, 7471B		50 mL	50 mL				
CRA 680-274048/31		7471A, 7471B		50 mL	50 mL		0.02 mL	0.02 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.: 680-89513-3

SDG No.: 68089513-3

Batch Number: 274048 Batch Start Date: 04/23/13 09:43 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 04/23/13 12:20

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046699
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3065406
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	3056255
Lot # of hydrochloric acid	3053715
Lot # of Nitric Acid	3053246
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	3038842
SOP Number	ME028
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J157274-263-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Batch Number: 274148 Batch Start Date: 04/23/13 17:13 Batch Analyst: Umbehrr, Uli

Batch Method: 7471B Batch End Date: 04/23/13 18:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00091			
MB 680-274148/1		7471B, 7471B		0.51 g	50 mL				
LCS 680-274148/2		7471B, 7471B		0.50 g	50 mL	0.25 mL			
680-89513-B-18	CV0998A-CS	7471B, 7471B	T	0.55 g	50 mL				
680-89513-B-19	CV1087A-CS	7471B, 7471B	T	0.56 g	50 mL				
680-89513-B-23	CV1321A-CS	7471B, 7471B	T	0.53 g	50 mL				
680-89513-B-23 MS	CV1321A-CS	7471B, 7471B	T	0.55 g	50 mL	0.1 mL			
680-89513-B-23 MSD	CV1321A-CS	7471B, 7471B	T	0.56 g	50 mL	0.1 mL			
680-89513-A-26	CV0998A-CS (sieve)	7471B, 7471B	T	0.55 g	50 mL				
680-89513-A-27	CV1087A-CS (sieve)	7471B, 7471B	T	0.58 g	50 mL				
680-89513-A-28	CV1321A-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89513-3

SDG No.: 68089513-3

Batch Number: 274148 Batch Start Date: 04/23/13 17:13 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/23/13 18:45

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046699
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3065406
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	3056255
Lot # of hydrochloric acid	3053715
Lot # of Nitric Acid	3053246
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	3038842
SOP Number	ME028
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J157274-263-100
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
Test Am Tampa

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>200548-1356</i>	PROJECT LOCATION (STATE) <i>FL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</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, ...)

LL PAN
RCR 8 Methods

PRESERVATIVE

STANDARD REPORT DELIVERY
DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: _____

COMPANY CONTRACTING THIS WORK (if applicable)

SAMPLE		SAMPLE IDENTIFICATION <i>1mH 4.22.13</i>	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>4-18-13</i>	<i>1335</i>	<i>CV 1150A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1215</i>	<i>CV 1332A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1225</i>	<i>CV 1332B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1245</i>	<i>CV 1334A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1300</i>	<i>CV 1334B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1350</i>	<i>CV 0998A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>											
	<i>1310</i>	<i>CV 1087A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>											
	<i>1320</i>	<i>CV 1087B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1420</i>	<i>CV 1197A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1430</i>	<i>CV 1197B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												
	<i>1220</i>	<i>CV 1321A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>											
	<i>1230</i>	<i>CV 1321B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-18-13</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/19/13</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/19/13</i>	TIME <i>0850</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD



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
Test Am Tampa

Phone:
Fax:

PROJECT REFERENCE: 35th Ave. Renovation PROJECT NO.: 2005148-1356 PROJECT LOCATION (STATE): AL MATRIX TYPE: REQUIRED ANALYSIS: PAGE 3 OF 3

(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE: AQUEOUS (WATER): SOLID OR SEMISOLID: AIR: NONAQUEOUS LIQUID (OIL, SOLVENT, ...):

LL PAH RECA8 metals

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		11	12
4-18-13	1230	CV1321B - CSD	C	X			X													
	1350	CV0998A - CS (sieve)	C	X				X												
	1310	CV1087A - CS (sieve)	C	X				X												
	1220	CV1321A - CS (sieve)	C	X				X												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	4/18/13	1730	<i>[Signature]</i>	4/19/13	1730			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	4/19/13	0850						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
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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: 680-89513-3

TestAmerica Sample Delivery Group: 68089513-3
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:
4/29/2013 12:40:58 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: 680-89513-3
SDG: 68089513-3

Job ID: 680-89513-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89513-3

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 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7 C.

METALS (ICP)

Samples CV0998A-CS (680-89513-18), CV1087A-CS (680-89513-19), CV1321A-CS (680-89513-23), CV0998A-CS (sieve) (680-89513-26), CV1087A-CS (sieve) (680-89513-27) and CV1321A-CS (sieve) (680-89513-28) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/22/2013 and analyzed on 04/25/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1321A-CS (680-89513-23) in batch 680-274404. Also, Silver exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0998A-CS (680-89513-18), CV1087A-CS (680-89513-19), CV1321A-CS (680-89513-23), CV0998A-CS (sieve) (680-89513-26), CV1087A-CS (sieve) (680-89513-27) and CV1321A-CS (sieve) (680-89513-28) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/23/2013 and analyzed on 04/24/2013.

Sample CV1087A-CS (sieve) (680-89513-27)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1321A-CS (680-89513-23) in batch 680-274238.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

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

TestAmerica Job ID: 680-89513-3
SDG: 68089513-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89513-18	CV0998A-CS	Solid	04/18/13 13:50	04/19/13 08:50
680-89513-19	CV1087A-CS	Solid	04/18/13 13:10	04/19/13 08:50
680-89513-23	CV1321A-CS	Solid	04/18/13 12:20	04/19/13 08:50
680-89513-26	CV0998A-CS (sieve)	Solid	04/18/13 13:50	04/19/13 08:50
680-89513-27	CV1087A-CS (sieve)	Solid	04/18/13 13:10	04/19/13 08:50
680-89513-28	CV1321A-CS (sieve)	Solid	04/18/13 12:20	04/19/13 08:50

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Method Summary

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

TestAmerica Job ID: 680-89513-3
SDG: 68089513-3

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:

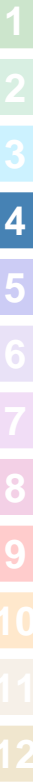
EPA = US Environmental Protection Agency

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: 680-89513-3
SDG: 68089513-3

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
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: 680-89513-3
 SDG: 68089513-3

Client Sample ID: CV0998A-CS

Lab Sample ID: 680-89513-18

Date Collected: 04/18/13 13:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 82.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.4	0.70	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Barium	270		1.2	0.35	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Cadmium	3.3		0.59	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Chromium	91		1.2	0.59	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Lead	460		1.2	0.63	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	1
Silver	0.33	J	1.2	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 08:59	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	0.38		0.022	0.0091	mg/Kg	☼	04/23/13 17:13	04/24/13 10:00	1

Client Sample ID: CV1087A-CS

Lab Sample ID: 680-89513-19

Date Collected: 04/18/13 13:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 85.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	43		2.2	0.64	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Barium	170		1.1	0.33	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Cadmium	0.13	J	0.54	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Chromium	110		1.1	0.54	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Lead	150		1.1	0.57	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	04/22/13 09:31	04/25/13 09:05	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	0.34		0.021	0.0086	mg/Kg	☼	04/23/13 17:13	04/24/13 10:02	1

Client Sample ID: CV1321A-CS

Lab Sample ID: 680-89513-23

Date Collected: 04/18/13 12:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	32		2.3	0.69	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Barium	510		1.2	0.35	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Cadmium	2.6		0.58	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Chromium	77		1.2	0.58	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Lead	550		1.2	0.62	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1
Silver	0.67	J	1.2	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.025	0.010	mg/Kg	☼	04/23/13 17:13	04/24/13 10:05	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

Client Sample ID: CV0998A-CS (sieve)

Lab Sample ID: 680-89513-26

Date Collected: 04/18/13 13:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 80.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.3	0.67	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Barium	340		1.1	0.34	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Cadmium	3.4		0.57	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Chromium	95		1.1	0.57	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Lead	540		1.1	0.60	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	1
Silver	0.33	J	1.1	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:27	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	0.39		0.023	0.0093	mg/Kg	☼	04/23/13 17:13	04/24/13 10:17	1

Client Sample ID: CV1087A-CS (sieve)

Lab Sample ID: 680-89513-27

Date Collected: 04/18/13 13:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 83.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.3	0.69	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Barium	270		1.2	0.35	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Cadmium	0.85		0.58	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Chromium	79		1.2	0.58	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Lead	220		1.2	0.62	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/22/13 09:31	04/25/13 09:33	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	0.54		0.041	0.017	mg/Kg	☼	04/23/13 17:13	04/24/13 11:33	2

Client Sample ID: CV1321A-CS (sieve)

Lab Sample ID: 680-89513-28

Date Collected: 04/18/13 12:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 75.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		2.6	0.76	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Barium	510		1.3	0.39	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Cadmium	2.9		0.65	0.13	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Chromium	69		1.3	0.65	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Lead	580		1.3	0.69	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Selenium	3.2	U	3.2	1.3	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	1
Silver	0.61	J	1.3	0.12	mg/Kg	☼	04/22/13 09:31	04/25/13 09:59	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	0.38		0.025	0.010	mg/Kg	☼	04/23/13 17:13	04/24/13 10:22	1

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-273873/1-A
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 273873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.59	mg/Kg		04/22/13 09:31	04/25/13 07:35	1
Barium	1.0	U	1.0	0.30	mg/Kg		04/22/13 09:31	04/25/13 07:35	1
Cadmium	0.50	U	0.50	0.10	mg/Kg		04/22/13 09:31	04/25/13 07:35	1
Chromium	1.0	U	1.0	0.50	mg/Kg		04/22/13 09:31	04/25/13 07:35	1
Lead	1.0	U	1.0	0.53	mg/Kg		04/22/13 09:31	04/25/13 07:35	1
Selenium	2.5	U	2.5	1.0	mg/Kg		04/22/13 09:31	04/25/13 07:35	1
Silver	1.0	U	1.0	0.096	mg/Kg		04/22/13 09:31	04/25/13 07:35	1

Lab Sample ID: LCS 680-273873/3-A
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 273873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.2	21.9		mg/Kg		114	75 - 125
Barium	19.2	20.4		mg/Kg		106	75 - 125
Cadmium	19.2	21.4		mg/Kg		111	75 - 125
Chromium	19.2	21.3		mg/Kg		111	75 - 125
Lead	19.2	20.1		mg/Kg		104	75 - 125
Selenium	19.2	20.9		mg/Kg		109	75 - 125
Silver	19.2	20.7		mg/Kg		108	75 - 125

Lab Sample ID: 680-89513-23 MS
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: CV1321A-CS
Prep Type: Total/NA
Prep Batch: 273873

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	32		11.7	47.8	F	mg/Kg	☼	135	75 - 125
Barium	510		11.7	481	4	mg/Kg	☼	-221	75 - 125
Cadmium	2.6		5.83	8.58		mg/Kg	☼	102	75 - 125
Chromium	77		11.7	94.0	4	mg/Kg	☼	145	75 - 125
Lead	550		5.83	516	4	mg/Kg	☼	-601	75 - 125
Selenium	2.9	U	11.7	11.7		mg/Kg	☼	100	75 - 125
Silver	0.67	J	5.83	5.12		mg/Kg	☼	76	75 - 125

Lab Sample ID: 680-89513-23 MSD
Matrix: Solid
Analysis Batch: 274404

Client Sample ID: CV1321A-CS
Prep Type: Total/NA
Prep Batch: 273873

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	32		11.6	44.4		mg/Kg	☼	107	75 - 125	7	20
Barium	510		11.6	513	4	mg/Kg	☼	50	75 - 125	6	20
Cadmium	2.6		5.78	8.66		mg/Kg	☼	105	75 - 125	1	20
Chromium	77		11.6	86.4	4	mg/Kg	☼	81	75 - 125	8	20
Lead	550		5.78	617	4	mg/Kg	☼	1141	75 - 125	18	20
Selenium	2.9	U	11.6	10.8		mg/Kg	☼	93	75 - 125	8	20
Silver	0.67	J	5.78	1.89	F	mg/Kg	☼	21	75 - 125	92	20

QC Sample Results

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

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

Lab Sample ID: MB 680-274148/1-A
Matrix: Solid
Analysis Batch: 274238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0080	mg/Kg		04/23/13 17:13	04/24/13 09:18	1

Lab Sample ID: LCS 680-274148/2-A
Matrix: Solid
Analysis Batch: 274238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.250	0.300		mg/Kg		120	80 - 120

Lab Sample ID: 680-89513-23 MS
Matrix: Solid
Analysis Batch: 274238

Client Sample ID: CV1321A-CS
Prep Type: Total/NA
Prep Batch: 274148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.32		0.119	0.537	F	mg/Kg	☼	182	80 - 120

Lab Sample ID: 680-89513-23 MSD
Matrix: Solid
Analysis Batch: 274238

Client Sample ID: CV1321A-CS
Prep Type: Total/NA
Prep Batch: 274148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.32		0.117	0.469	F	mg/Kg	☼	127	80 - 120	13	20

QC Association Summary

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

Metals

Prep Batch: 273873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89513-18	CV0998A-CS	Total/NA	Solid	3050B	
680-89513-19	CV1087A-CS	Total/NA	Solid	3050B	
680-89513-23	CV1321A-CS	Total/NA	Solid	3050B	
680-89513-23 MS	CV1321A-CS	Total/NA	Solid	3050B	
680-89513-23 MSD	CV1321A-CS	Total/NA	Solid	3050B	
680-89513-26	CV0998A-CS (sieve)	Total/NA	Solid	3050B	
680-89513-27	CV1087A-CS (sieve)	Total/NA	Solid	3050B	
680-89513-28	CV1321A-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-273873/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-273873/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 274148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89513-18	CV0998A-CS	Total/NA	Solid	7471B	
680-89513-19	CV1087A-CS	Total/NA	Solid	7471B	
680-89513-23	CV1321A-CS	Total/NA	Solid	7471B	
680-89513-23 MS	CV1321A-CS	Total/NA	Solid	7471B	
680-89513-23 MSD	CV1321A-CS	Total/NA	Solid	7471B	
680-89513-26	CV0998A-CS (sieve)	Total/NA	Solid	7471B	
680-89513-27	CV1087A-CS (sieve)	Total/NA	Solid	7471B	
680-89513-28	CV1321A-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-274148/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-274148/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 274238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89513-18	CV0998A-CS	Total/NA	Solid	7471B	274148
680-89513-19	CV1087A-CS	Total/NA	Solid	7471B	274148
680-89513-23	CV1321A-CS	Total/NA	Solid	7471B	274148
680-89513-23 MS	CV1321A-CS	Total/NA	Solid	7471B	274148
680-89513-23 MSD	CV1321A-CS	Total/NA	Solid	7471B	274148
680-89513-26	CV0998A-CS (sieve)	Total/NA	Solid	7471B	274148
680-89513-27	CV1087A-CS (sieve)	Total/NA	Solid	7471B	274148
680-89513-28	CV1321A-CS (sieve)	Total/NA	Solid	7471B	274148
LCS 680-274148/2-A	Lab Control Sample	Total/NA	Solid	7471B	274148
MB 680-274148/1-A	Method Blank	Total/NA	Solid	7471B	274148

Analysis Batch: 274404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89513-18	CV0998A-CS	Total/NA	Solid	6010C	273873
680-89513-19	CV1087A-CS	Total/NA	Solid	6010C	273873
680-89513-23	CV1321A-CS	Total/NA	Solid	6010C	273873
680-89513-23 MS	CV1321A-CS	Total/NA	Solid	6010C	273873
680-89513-23 MSD	CV1321A-CS	Total/NA	Solid	6010C	273873
680-89513-26	CV0998A-CS (sieve)	Total/NA	Solid	6010C	273873
680-89513-27	CV1087A-CS (sieve)	Total/NA	Solid	6010C	273873
680-89513-28	CV1321A-CS (sieve)	Total/NA	Solid	6010C	273873
LCS 680-273873/3-A	Lab Control Sample	Total/NA	Solid	6010C	273873
MB 680-273873/1-A	Method Blank	Total/NA	Solid	6010C	273873

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-89513-3
SDG: 68089513-3

General Chemistry

Analysis Batch: 136656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89513-18	CV0998A-CS	Total/NA	Solid	Moisture	
680-89513-19	CV1087A-CS	Total/NA	Solid	Moisture	
680-89513-23	CV1321A-CS	Total/NA	Solid	Moisture	
680-89513-23 MS	CV1321A-CS	Total/NA	Solid	Moisture	
680-89513-23 MSD	CV1321A-CS	Total/NA	Solid	Moisture	

Analysis Batch: 273917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89513-26	CV0998A-CS (sieve)	Total/NA	Solid	Moisture	
680-89513-27	CV1087A-CS (sieve)	Total/NA	Solid	Moisture	
680-89513-28	CV1321A-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

Client Sample ID: CV0998A-CS

Lab Sample ID: 680-89513-18

Date Collected: 04/18/13 13:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		1	274238	04/24/13 10:00	BCB	TAL SAV
Total/NA	Prep	3050B			273873	04/22/13 09:31	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 08:59	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136656	04/19/13 14:12	AG	TAL TAM

Client Sample ID: CV1087A-CS

Lab Sample ID: 680-89513-19

Date Collected: 04/18/13 13:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		1	274238	04/24/13 10:02	BCB	TAL SAV
Total/NA	Prep	3050B			273873	04/22/13 09:31	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 09:05	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136656	04/19/13 14:12	AG	TAL TAM

Client Sample ID: CV1321A-CS

Lab Sample ID: 680-89513-23

Date Collected: 04/18/13 12:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		1	274238	04/24/13 10:05	BCB	TAL SAV
Total/NA	Prep	3050B			273873	04/22/13 09:31	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 09:10	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136656	04/19/13 14:12	AG	TAL TAM

Client Sample ID: CV0998A-CS (sieve)

Lab Sample ID: 680-89513-26

Date Collected: 04/18/13 13:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		1	274238	04/24/13 10:17	BCB	TAL SAV
Total/NA	Prep	3050B			273873	04/22/13 09:31	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 09:27	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273917	04/22/13 12:08	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

Client Sample ID: CV1087A-CS (sieve)

Lab Sample ID: 680-89513-27

Date Collected: 04/18/13 13:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		2	274238	04/24/13 11:33	BCB	TAL SAV
Total/NA	Prep	3050B			273873	04/22/13 09:31	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 09:33	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273917	04/22/13 12:08	FS	TAL SAV

Client Sample ID: CV1321A-CS (sieve)

Lab Sample ID: 680-89513-28

Date Collected: 04/18/13 12:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		1	274238	04/24/13 10:22	BCB	TAL SAV
Total/NA	Prep	3050B			273873	04/22/13 09:31	JKL	TAL SAV
Total/NA	Analysis	6010C		1	274404	04/25/13 09:59	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273917	04/22/13 12:08	FS	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone:
Fax:

PROJECT REFERENCE <i>35th Aic Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</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, ...)	<i>LL PAN</i> <i>PCRB Metals</i>	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
	PRESERVATIVE						EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
COMPANY CONTRACTING THIS WORK (if applicable)						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																				
<i>4-18-13</i>	<i>1335</i>	<i>CV 1150A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1215</i>	<i>CV 1332A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1225</i>	<i>CV 1332B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1245</i>	<i>CV 1334A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1300</i>	<i>CV 1334B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1350</i>	<i>CV 0998A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>													
	<i>1310</i>	<i>CV 1087A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>													
	<i>1320</i>	<i>CV 1087B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1420</i>	<i>CV 1197A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1430</i>	<i>CV 1197B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1220</i>	<i>CV 1321A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>													
	<i>1230</i>	<i>CV 1321B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-18-13</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/19/13</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/19/13</i>	TIME <i>0850</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS

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
Test Am Tampa

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Renovation</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, ...)

LL PAH
RCLAB 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							NUMBER OF CONTAINERS SUBMITTED												
<i>4-18-13</i>	<i>1230</i>	<i>CV1321B - CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>													
	<i>1350</i>	<i>CV0998A - CS (sieve)</i>	<i>C</i>	<i>X</i>				<i>X</i>												
	<i>1310</i>	<i>CV1087A - CS (sieve)</i>	<i>C</i>	<i>X</i>				<i>X</i>												
	<i>1220</i>	<i>CV1321A - CS (sieve)</i>	<i>C</i>	<i>X</i>				<i>X</i>												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/18/13</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/19/13</i>	TIME <i>1730</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/19/13</i>	TIME <i>0850</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
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4/29/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89513-3

SDG Number: 68089513-3

Login Number: 89513

List Number: 1

Creator: Daughtry, Beth

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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 $<6\text{mm}$ (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: 680-89513-3

SDG Number: 68089513-3

Login Number: 89513

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

List Creation: 04/19/13 02:29 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

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

TestAmerica Job ID: 680-89513-3
 SDG: 68089513-3

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.

Certification Summary

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

TestAmerica Job ID: 680-89513-3
SDG: 68089513-3

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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