

**Data Validation Checklist  
Inorganic Analyses**

Project: 35<sup>TH</sup> Avenue Superfund Site  
 Laboratory: TestAmerica - Savannah, GA  
 Method: SW-846 6010C and 7471B  
 Matrix: Soil  
 Reviewer: Karen Marie Trujillo, URS Group, Inc.  
 Concurrence<sup>1</sup>: Martha Meyers-Lee, URS Group, Inc.

Project No: 15268508.20000  
 Job ID.: 680-89985-3  
 Associated Samples: Refer to Attachment A (Sample Summary)  
 Date Collected: 05/01/2013 & 05/02/13  
 Date: 05/28/2013  
 Date: 05/30/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.59 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.5 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10 <sup>th</sup> 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.	

<sup>1</sup> 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 050113-RB-Bowls&Spoons (680-89896-23) was collected during the week of 4/29/2013. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank, and all results were reported under Test America Job ID 680-89896-2.	
12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> <li>○ If blank result &gt; RL, <ul style="list-style-type: none"> <li>• Flag sample results <math>\leq</math> RL with a U</li> <li>• Flag positive sample results &gt; RL and <math>\leq 10x</math> blank result, as J+ positive results</li> </ul> </li> <li>○ If blank result <math>\leq</math> RL, <ul style="list-style-type: none"> <li>• Flag sample results <math>\leq</math> RL with a U</li> <li>• Flag positive sample results &gt; RL and &lt; 10x blank result, as J+ positive results</li> </ul> </li> </ul>			✓	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"> <li>○ 6010C: <ul style="list-style-type: none"> <li>• ICAL: Blank and one standard</li> <li>• ICV initially, and CCV every 10<sup>th</sup> sample and at the end of the analytical run</li> <li>• Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed</li> </ul> </li> <li>○ 7471A: <ul style="list-style-type: none"> <li>• ICAL: Blank and five standards</li> <li>• ICV initially, and CCV every 10<sup>th</sup> sample and at the end of the analytical run</li> </ul> </li> <li>○ 7196A:</li> </ul>	✓			<ul style="list-style-type: none"> <li>• 6010C: 05/07/2013-05/09/2013, 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.</li> <li>• 7471B: 05/09/2013 &amp; 05/10/2013, 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.</li> </ul>	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> <li>• ICAL: Blank and minimum of five standards</li> <li>• ICV initially, and CCV every 10<sup>th</sup> sample (15<sup>th</sup> per Method) and at the end of the analytical run</li> </ul>					
<p>17. Were these results within lab/project specifications?</p> <ul style="list-style-type: none"> <li>○ 6010C           <ul style="list-style-type: none"> <li>• ICV/CCV (Criteria: 90-110%R):               <ul style="list-style-type: none"> <li>▪ If %R &lt;75, then J- flag positive results and R-flag non-detects</li> <li>▪ If 75-89%R, then J- flag positive results and UJ flag non-detects</li> <li>▪ If 111-125%R, then J flag positive results</li> <li>▪ If &gt;125%R, then J+ flag positive results</li> <li>▪ If &gt;160%R, then R flag positive results</li> </ul> </li> <li>• 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"> <li>▪ If CRI %R &lt;50 (&lt;30% for Sb, Pb, TL), then R flag results ≤ 2x RL and J flag positive results &gt;2x RL</li> <li>▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results &lt;2x RL and ND, respectively</li> <li>▪ If CRI %R &gt;130% and ≤180% (&gt;150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results &lt;2x RL</li> <li>▪ If CRI %R &gt;180% (&gt;200% for Sb, Pb, TL), then R flag positive results</li> </ul> </li> </ul> </li> <li>○ 7471A           <ul style="list-style-type: none"> <li>• ICV/CCV (Criteria: 80-120%R):               <ul style="list-style-type: none"> <li>▪ If correlation coefficients &lt;0.995, then J and UJ flag positive and non-detect results.</li> <li>▪ If %R &lt;65, then J- flag positive results and R-flag non-detects</li> <li>▪ If 65-79%R, then J- flag positive results and UJ flag non-detects</li> <li>▪ If 121-135%R, then J flag positive results</li> <li>▪ If &gt;135%R, then J+ flag positive results</li> <li>▪ If &gt;170%R, then R flag positive results</li> </ul> </li> <li>• CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R):               <ul style="list-style-type: none"> <li>▪ If CRI %R &lt;50, then R flag results ≤ 2x RL and J flag positive results &gt;2x RL</li> <li>▪ If CRI %R 50-69%, then J- and UJ flag positive results &lt;2x RL and ND, respectively</li> <li>▪ If CRI %R &gt;130% and ≤180%, then J+ flag positive results &lt;2x RL</li> </ul> </li> </ul> </li> </ul>	✓			Mercury correlation coefficient, 7471B: <ul style="list-style-type: none"> <li>• ICAL of 05/09/2013 is 0.9999551 (page 572)</li> <li>• ICAL of 05/10/2013 is 0.9999824 (page 575)</li> </ul>	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> <li>▪ If CRI %R &gt;180%, then R flag positive result</li> <li>○ 7196A:                             <ul style="list-style-type: none"> <li>• ICV/CCV (Criteria: 90-110%R):                                     <ul style="list-style-type: none"> <li>▪ If correlation coefficients &lt;0.995, then J and UJ flag positive and non-detect results.</li> <li>▪ If %R &lt;65, then J- flag positive results and R-flag non-detects</li> <li>▪ If 65-90%R, then J- flag positive results and UJ flag non-detects</li> <li>▪ If 110-135%R, then J flag positive results</li> <li>▪ If &gt;135%R, then J+ flag positive results</li> <li>▪ If &gt;170%R, then R flag positive results</li> </ul> </li> </ul> </li> </ul>					
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"> <li>○ If &gt;120%R (or &gt;&gt;true value plus 2x CRQL), J+ flag positive results</li> <li>○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects</li> <li>○ If &lt;50%R, J- flag positive results and R-flag non-detects</li> </ul>	✓				
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"> <li>○ Soil:                             <ul style="list-style-type: none"> <li>• LCS result &gt; Upper control limit (UCL): J+ flag positive results</li> <li>• LCS result &lt; Lower control limit (LCL): J- flag positive results and UJ flag non-detects</li> </ul> </li> <li>○ Aqueous:                             <ul style="list-style-type: none"> <li>• If &lt;50%R, then J- and R flag positive and ND results, respectively</li> <li>• If 50-LCL%R, J- and UJ flag positive and ND results, respectively</li> <li>• &gt;UCL: J+ Flag positive results</li> <li>• &gt;150%R: R Flag results</li> </ul> </li> </ul>	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively.			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD)	✓				

## Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
analyzed once per preparation batch?					
24. Is the MS and MSD parent sample a project-specific sample?	✓	✓		<ul style="list-style-type: none"> <li>6010C, Prep Batch 275575: 680-89985-3 (CV1067B-CS), MS/MSD</li> <li>7471B: <ul style="list-style-type: none"> <li>Prep Batch 275961: 680-89985-3 (CV1067B-CS), MS/MSD</li> <li>Prep Batch 275956: 680-89985-29 [CV1006A-CS (sieve)], MS/MSD</li> </ul> </li> </ul>	
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"> <li>6010C: <ul style="list-style-type: none"> <li>680-89896-4 (Batch sample)</li> <li>Although MS/MSD results did not meet control limits during the analysis of sample 680-89985-3 (CV1067B-CS), a PDS was not conducted.</li> </ul> </li> </ul>	
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> If not, o 6010C: <ul style="list-style-type: none"> <li>If MS %R &lt;30 and PDS %R &lt;75, then J- and R Flag positive and ND results, respectively</li> <li>If MS %R &lt;30 and PDS %R &gt;75, then J flag positive and UJ flag non-detect results</li> <li>If MS and MSD %R 30-74 and PDS%R &lt;75, then J- flag positive and UJ flag non-detect results</li> <li>If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results</li> <li>If MS, MSD, and PDS %R &gt;125, J+ flag positive results</li> <li>If MS and MSD %R &gt;125 and PDS %R ≤125, then J flag positive results</li> <li>If MS and MSD %R &lt;30 and no PDS, then J- flag positive and R-flag non-detect results</li> <li>If MS and MSD %R 30-74 and no PDS, then J- and UJ flag</li> </ul>		✓	CV1067B-CS (680-89985-3) [ <i>Note: PDS analysis not conducted</i> ]: <ul style="list-style-type: none"> <li>6010C: <ul style="list-style-type: none"> <li>Arsenic @ 132 and 114 %R (75-125). Qualification of data not required based on MS and MSD results<sup>2</sup>.</li> <li>Barium @ 2486 and 8556 %R (75-125). An evaluation of interference is not possible based on MS and MSD results<sup>3</sup>.</li> <li>Chromium @ 137 and 23 %R (75-125). An evaluation of interference is not possible based on MS and MSD results<sup>3</sup>.</li> <li>Lead @ 1166 and 14359 %R (75-125). An evaluation of interference is not possible based on MS and MSD results<sup>3</sup>.</li> </ul> </li> <li>7471B: Mercury @ 21 and 54 %R (80-120). J- Flag sample result.</li> </ul> CV1006A-CS (sieve) (680-89985-29), 7471B: Mercury @ 78 and 119 %R (80-120). Qualification of data not required based on MS and MSD results <sup>3</sup> .	J-	

<sup>2</sup> The recovery of either the MS or MSD met control limits.

<sup>3</sup> 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
<p>positive and non-detect results, respectively</p> <ul style="list-style-type: none"> <li>• If MS and MSD %R &gt;125 and no PDS, then J+ flag positive results</li> <li>○ 7471B: <ul style="list-style-type: none"> <li>• If MS %R &lt;30, then J- and R Flag positive and ND results, respectively</li> <li>• If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results</li> <li>• If MS and MSD %R &gt;125, then J+ flag positive results</li> </ul> </li> </ul>					
<p>27. Were laboratory/project (<math>\leq 20\%</math>RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> <li>○ If RPD &gt;20%, J and UJ flag positive and non-detect results.</li> </ul>		✓		<p>CV1067B-CS (680-89985-3):</p> <ul style="list-style-type: none"> <li>• Barium @ 64%RPD (<math>\leq 20</math>). An evaluation of interference is not possible based on MS and MSD results<sup>2</sup>.</li> <li>• Lead @ 87%RPD (<math>\leq 20</math>). An evaluation of interference is not possible based on MS and MSD results<sup>2</sup>.</li> </ul>	
28. Was a serial dilution conducted for 6010C?	✓			6010C: 680-89896-4 (Batch Sample)	
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"> <li>○ If %D &gt;10, J and UJ flag positive and non-detect results, respectively.</li> </ul>					
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"> <li>○ If RPD values &gt;20% (35% for soil/sediment) or absolute difference &gt; RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively.</li> </ul>					
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to <b>Attachment B</b> (Case Narrative)	

**Data Validation Checklist (Continued)**

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p><b>Comments:</b> 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 (<b>Attachment C</b>). 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: 680-89985-3  
SDG: 68089985-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89985-3	CV1067B-CS	Solid	05/01/13 10:50	05/03/13 11:15
680-89985-10	CV1114B-CS	Solid	05/01/13 13:35	05/03/13 11:15
680-89985-16	CV1006A-CS	Solid	05/02/13 10:00	05/03/13 11:15
680-89985-27	CV1114B-CS (sieve)	Solid	05/01/13 13:35	05/03/13 11:15
680-89985-28	CV1067B-CS (sieve)	Solid	05/01/13 10:50	05/03/13 11:15
680-89985-29	CV1006A-CS (sieve)	Solid	05/02/13 10:00	05/03/13 11:15

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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: 680-89985-3  
SDG: 68089985-3

**Job ID: 680-89985-3**

**Laboratory: TestAmerica Savannah**

**Narrative**

## CASE NARRATIVE

**Client: Oneida Total Integrated Enterprises LLC**

**Project: 35th Avenue Superfund Site**

**Report Number: 680-89985-3**

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 05/03/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 4.4° C, 5.2° C and 5.6° C.

### **METALS (ICP)**

Samples CV1067B-CS (680-89985-3), CV1114B-CS (680-89985-10), CV1006A-CS (680-89985-16), CV1114B-CS (sieve) (680-89985-27), CV1067B-CS (sieve) (680-89985-28) and CV1006A-CS (sieve) (680-89985-29) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 05/06/2013 and analyzed on 05/08/2013.

Sample CV1067B CS (680 89985 3)[5X] required dilution prior to analysis The reporting limits have been adjusted accordingly

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1067B-CS (680-89985-3) in batch 680-276179. Also, Lead and Barium 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 CV1067B-CS (680-89985-3), CV1114B-CS (680-89985-10), CV1006A-CS (680-89985-16), CV1114B-CS (sieve) (680-89985-27), CV1067B-CS (sieve) (680-89985-28) and CV1006A-CS (sieve) (680-89985-29) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 05/08/2013 and analyzed on 05/09/2013 and 05/10/2013.

Samples CV1006A-CS (680-89985-16)[5X] and CV1006A-CS (sieve) (680-89985-29)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS of sample CV1006A-CS (sieve) (680-89985-29) in batch 680-276327.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1067B-CS (680-89985-3) in batch 680-276240.

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

## Case Narrative

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

TestAmerica Job ID: 680-89985-3  
SDG: 68089985-3

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### Job ID: 680-89985-3 (Continued)

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#### Laboratory: TestAmerica Savannah (Continued)

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

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**ATTACHMENT C**  
**QUALIFIED SAMPLE RESULTS**

# Client Sample Results

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Client Sample ID: CV1067B-CS

## Lab Sample ID: 680-89985-3

Date Collected: 05/01/13 10:50  
 Date Received: 05/03/13 11:15

Matrix: Solid  
 Percent Solids: 73.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31		2.7	0.79	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Barium	530		6.7	2.0	mg/Kg	☼	05/06/13 08:40	05/08/13 17:34	5
Cadmium	7.4		0.67	0.13	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Chromium	72		1.3	0.67	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Lead	490		1.3	0.71	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Selenium	3.3	U	3.3	1.3	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Silver	0.34	J	1.3	0.13	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	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	0.41		0.026	0.011	mg/Kg	☼	05/08/13 13:09	05/09/13 17:43	1

## Client Sample ID: CV1114B-CS

## Lab Sample ID: 680-89985-10

Date Collected: 05/01/13 13:35  
 Date Received: 05/03/13 11:15

Matrix: Solid  
 Percent Solids: 81.6

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31		2.1	0.62	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Barium	200		1.0	0.31	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Cadmium	2.6		0.52	0.10	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Chromium	110		1.0	0.52	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Lead	210		1.0	0.56	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Selenium	2.6	U	2.6	1.0	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Silver	1.0	U	1.0	0.10	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.023	0.0095	mg/Kg	☼	05/08/13 13:09	05/09/13 17:50	1

## Client Sample ID: CV1006A-CS

## Lab Sample ID: 680-89985-16

Date Collected: 05/02/13 10:00  
 Date Received: 05/03/13 11:15

Matrix: Solid  
 Percent Solids: 79.9

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	37		2.4	0.70	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Barium	270		1.2	0.36	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Cadmium	1.3		0.60	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Chromium	76		1.2	0.60	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Lead	320		1.2	0.63	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	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	0.66		0.12	0.049	mg/Kg	☼	05/08/13 12:47	05/10/13 13:43	5

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: 680-89985-3  
 SDG: 68089985-3

## Client Sample ID: CV1114B-CS (sieve)

## Lab Sample ID: 680-89985-27

Date Collected: 05/01/13 13:35

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 81.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.3	0.69	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Barium	250		1.2	0.35	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Cadmium	3.6		0.58	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Chromium	55		1.2	0.58	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Lead	280		1.2	0.62	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Silver	0.11	J	1.2	0.11	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.024	0.0098	mg/Kg	☼	05/08/13 12:47	05/10/13 12:32	1

## Client Sample ID: CV1067B-CS (sieve)

## Lab Sample ID: 680-89985-28

Date Collected: 05/01/13 10:50

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 77.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		2.4	0.72	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Barium	520		1.2	0.37	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Cadmium	11		0.61	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Chromium	69		1.2	0.61	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Lead	750		1.2	0.65	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Silver	0.54	J	1.2	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.41		0.024	0.010	mg/Kg	☼	05/08/13 12:47	05/10/13 12:34	1

## Client Sample ID: CV1006A-CS (sieve)

## Lab Sample ID: 680-89985-29

Date Collected: 05/02/13 10:00

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 76.7

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		2.5	0.73	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Barium	330		1.2	0.37	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Cadmium	1.7		0.61	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Chromium	93		1.2	0.61	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Lead	550		1.2	0.65	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Selenium	3.1	U	3.1	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.71		0.12	0.050	mg/Kg	☼	05/08/13 12:47	05/10/13 12:37	5

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: 680-89985-3

SDG Number: 68089985-3

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  
5/15/2013 8:49 AM

---

Designee for

Lisa Harvey, Project Manager II

5102 LaRoche Avenue, Savannah, GA, 31404

(912)354-7858 e.3221

[lisa.harvey@testamericainc.com](mailto:lisa.harvey@testamericainc.com)

05/15/2013

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

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**TestAmerica Laboratories, Inc.**

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 [www.testamericainc.com](http://www.testamericainc.com)





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## CASE NARRATIVE

**Client: Oneida Total Integrated Enterprises LLC**

**Project: 35th Avenue Superfund Site**

**Report Number: 680-89985-3**

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 05/03/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 4.4° C, 5.2° C and 5.6° C.

### METALS (ICP)

Samples CV1067B-CS (680-89985-3), CV1114B-CS (680-89985-10), CV1006A-CS (680-89985-16), CV1114B-CS (sieve) (680-89985-27), CV1067B-CS (sieve) (680-89985-28) and CV1006A-CS (sieve) (680-89985-29) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 05/06/2013 and analyzed on 05/08/2013.

Sample CV1067B-CS (680-89985-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1067B-CS (680-89985-3) in batch 680-276179. Also, Lead and Barium 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 CV1067B-CS (680-89985-3), CV1114B-CS (680-89985-10), CV1006A-CS (680-89985-16), CV1114B-CS (sieve) (680-89985-27), CV1067B-CS (sieve) (680-89985-28) and CV1006A-CS (sieve) (680-89985-29) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 05/08/2013 and analyzed on 05/09/2013 and 05/10/2013.

Samples CV1006A-CS (680-89985-16)[5X] and CV1006A-CS (sieve) (680-89985-29)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS of sample CV1006A-CS (sieve) (680-89985-29) in batch 680-276327.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1067B-CS (680-89985-3) in batch 680-276240.

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: 680-89985-3  
Sdg Number: 68089985-3

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
680-89985-3	CV1067B-CS	Solid	05/01/2013 1050	05/03/2013 1115
680-89985-3MS	CV1067B-CS	Solid	05/01/2013 1050	05/03/2013 1115
680-89985-3MSD	CV1067B-CS	Solid	05/01/2013 1050	05/03/2013 1115
680-89985-10	CV1114B-CS	Solid	05/01/2013 1335	05/03/2013 1115
680-89985-16	CV1006A-CS	Solid	05/02/2013 1000	05/03/2013 1115
680-89985-27	CV1114B-CS (sieve)	Solid	05/01/2013 1335	05/03/2013 1115
680-89985-28	CV1067B-CS (sieve)	Solid	05/01/2013 1050	05/03/2013 1115
680-89985-29	CV1006A-CS (sieve)	Solid	05/02/2013 1000	05/03/2013 1115

## METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

Sdg Number: 68089985-3

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Solid</b>			
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: 680-89985-3

Sdg Number: 68089985-3

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
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: 680-89985-3

Sdg Number: 68089985-3

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

## Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

Sdg Number: 68089985-3

### QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
<b>Metals</b>					
<b>Prep Batch: 680-275575</b>					
LCS 680-275575/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-275575/1-A	Method Blank	T	Solid	3050B	
680-89985-3	CV1067B-CS	T	Solid	3050B	
680-89985-3MS	Matrix Spike	T	Solid	3050B	
680-89985-3MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-89985-10	CV1114B-CS	T	Solid	3050B	
680-89985-16	CV1006A-CS	T	Solid	3050B	
680-89985-27	CV1114B-CS (sieve)	T	Solid	3050B	
680-89985-28	CV1067B-CS (sieve)	T	Solid	3050B	
680-89985-29	CV1006A-CS (sieve)	T	Solid	3050B	
<b>Analysis Batch:680-275916</b>					
LCS 680-275575/2-A	Lab Control Sample	T	Solid	6010C	680-275575
MB 680-275575/1-A	Method Blank	T	Solid	6010C	680-275575
680-89985-3	CV1067B-CS	T	Solid	6010C	680-275575
680-89985-3MS	Matrix Spike	T	Solid	6010C	680-275575
680-89985-3MSD	Matrix Spike Duplicate	T	Solid	6010C	680-275575
680-89985-10	CV1114B-CS	T	Solid	6010C	680-275575
680-89985-16	CV1006A-CS	T	Solid	6010C	680-275575
680-89985-27	CV1114B-CS (sieve)	T	Solid	6010C	680-275575
680-89985-28	CV1067B-CS (sieve)	T	Solid	6010C	680-275575
680-89985-29	CV1006A-CS (sieve)	T	Solid	6010C	680-275575
<b>Prep Batch: 680-275956</b>					
LCS 680-275956/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-275956/1-A	Method Blank	T	Solid	7471B	
680-89985-16	CV1006A-CS	T	Solid	7471B	
680-89985-27	CV1114B-CS (sieve)	T	Solid	7471B	
680-89985-28	CV1067B-CS (sieve)	T	Solid	7471B	
680-89985-29	CV1006A-CS (sieve)	T	Solid	7471B	
680-89985-29MS	Matrix Spike	T	Solid	7471B	
680-89985-29MSD	Matrix Spike Duplicate	T	Solid	7471B	
<b>Prep Batch: 680-275961</b>					
LCS 680-275961/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-275961/1-A	Method Blank	T	Solid	7471B	
680-89985-3	CV1067B-CS	T	Solid	7471B	
680-89985-3MS	Matrix Spike	T	Solid	7471B	
680-89985-3MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-89985-10	CV1114B-CS	T	Solid	7471B	
<b>Analysis Batch:680-276179</b>					
680-89985-3	CV1067B-CS	T	Solid	6010C	680-275575
680-89985-3MS	Matrix Spike	T	Solid	6010C	680-275575
680-89985-3MSD	Matrix Spike Duplicate	T	Solid	6010C	680-275575

TestAmerica Savannah



## Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

Sdg Number: 68089985-3

### QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
<b>Metals</b>					
<b>Analysis Batch:680-276240</b>					
LCS 680-275961/2-A	Lab Control Sample	T	Solid	7471B	680-275961
MB 680-275961/1-A	Method Blank	T	Solid	7471B	680-275961
680-89985-3	CV1067B-CS	T	Solid	7471B	680-275961
680-89985-3MS	Matrix Spike	T	Solid	7471B	680-275961
680-89985-3MSD	Matrix Spike Duplicate	T	Solid	7471B	680-275961
680-89985-10	CV1114B-CS	T	Solid	7471B	680-275961
<b>Analysis Batch:680-276327</b>					
LCS 680-275956/2-A	Lab Control Sample	T	Solid	7471B	680-275956
MB 680-275956/1-A	Method Blank	T	Solid	7471B	680-275956
680-89985-16	CV1006A-CS	T	Solid	7471B	680-275956
680-89985-27	CV1114B-CS (sieve)	T	Solid	7471B	680-275956
680-89985-28	CV1067B-CS (sieve)	T	Solid	7471B	680-275956
680-89985-29	CV1006A-CS (sieve)	T	Solid	7471B	680-275956
680-89985-29MS	Matrix Spike	T	Solid	7471B	680-275956
680-89985-29MSD	Matrix Spike Duplicate	T	Solid	7471B	680-275956
<b>Report Basis</b>					
T = Total					
<b>General Chemistry</b>					
<b>Analysis Batch:660-137139</b>					
680-89985-3	CV1067B-CS	T	Solid	Moisture	
680-89985-3MS	Matrix Spike	T	Solid	Moisture	
680-89985-3MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89985-10	CV1114B-CS	T	Solid	Moisture	
680-89985-16	CV1006A-CS	T	Solid	Moisture	
680-89985-A-22 MS	Matrix Spike	T	Solid	Moisture	
680-89985-A-22 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
<b>Analysis Batch:680-275792</b>					
680-89985-27	CV1114B-CS (sieve)	T	Solid	Moisture	
680-89985-28	CV1067B-CS (sieve)	T	Solid	Moisture	
680-89985-29	CV1006A-CS (sieve)	T	Solid	Moisture	
<b>Report Basis</b>					
T = Total					

# **METALS**

COVER PAGE  
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89985-3

SDG No.: 68089985-3

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV1067B-CS</u>	<u>680-89985-3</u>
<u>CV1114B-CS</u>	<u>680-89985-10</u>
<u>CV1006A-CS</u>	<u>680-89985-16</u>
<u>CV1114B-CS (sieve)</u>	<u>680-89985-27</u>
<u>CV1067B-CS (sieve)</u>	<u>680-89985-28</u>
<u>CV1006A-CS (sieve)</u>	<u>680-89985-29</u>

Comments:

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: CV1067B-CS Lab Sample ID: 680-89985-3  
 Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
 SDG ID.: 68089985-3  
 Matrix: Solid Date Sampled: 05/01/2013 10:50  
 Reporting Basis: DRY Date Received: 05/03/2013 11:15  
 % Solids: 73.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	2.7	0.79	mg/Kg			1	6010C
7440-39-3	Barium	530	6.7	2.0	mg/Kg			5	6010C
7440-43-9	Cadmium	7.4	0.67	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	72	1.3	0.67	mg/Kg			1	6010C
7439-92-1	Lead	490	1.3	0.71	mg/Kg			1	6010C
7782-49-2	Selenium	3.3	3.3	1.3	mg/Kg	U		1	6010C
7440-22-4	Silver	0.34	1.3	0.13	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.41	0.026	0.011	mg/Kg			1	7471B

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: CV1114B-CS

Lab Sample ID: 680-89985-10

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG ID.: 68089985-3

Matrix: Solid

Date Sampled: 05/01/2013 13:35

Reporting Basis: DRY

Date Received: 05/03/2013 11:15

% Solids: 81.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	2.1	0.62	mg/Kg			1	6010C
7440-39-3	Barium	200	1.0	0.31	mg/Kg			1	6010C
7440-43-9	Cadmium	2.6	0.52	0.10	mg/Kg			1	6010C
7440-47-3	Chromium	110	1.0	0.52	mg/Kg			1	6010C
7439-92-1	Lead	210	1.0	0.56	mg/Kg			1	6010C
7782-49-2	Selenium	2.6	2.6	1.0	mg/Kg	U		1	6010C
7440-22-4	Silver	1.0	1.0	0.10	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.20	0.023	0.0095	mg/Kg			1	7471B

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: CV1006A-CS Lab Sample ID: 680-89985-16  
 Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
 SDG ID.: 68089985-3  
 Matrix: Solid Date Sampled: 05/02/2013 10:00  
 Reporting Basis: DRY Date Received: 05/03/2013 11:15  
 % Solids: 79.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	37	2.4	0.70	mg/Kg			1	6010C
7440-39-3	Barium	270	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	1.3	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	76	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	320	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	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.66	0.12	0.049	mg/Kg			5	7471B

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: CV1114B-CS (sieve)

Lab Sample ID: 680-89985-27

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG ID.: 68089985-3

Matrix: Solid

Date Sampled: 05/01/2013 13:35

Reporting Basis: DRY

Date Received: 05/03/2013 11:15

% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.3	0.69	mg/Kg			1	6010C
7440-39-3	Barium	250	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	3.6	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	55	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	280	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	0.11	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.19	0.024	0.0098	mg/Kg			1	7471B

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: CV1067B-CS (sieve)

Lab Sample ID: 680-89985-28

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG ID.: 68089985-3

Matrix: Solid

Date Sampled: 05/01/2013 10:50

Reporting Basis: DRY

Date Received: 05/03/2013 11:15

% Solids: 77.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	2.4	0.72	mg/Kg			1	6010C
7440-39-3	Barium	520	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	11	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	69	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	750	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.54	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.41	0.024	0.010	mg/Kg			1	7471B



1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: CV1006A-CS (sieve)

Lab Sample ID: 680-89985-29

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG ID.: 68089985-3

Matrix: Solid

Date Sampled: 05/02/2013 10:00

Reporting Basis: DRY

Date Received: 05/03/2013 11:15

% Solids: 76.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	30	2.5	0.73	mg/Kg			1	6010C
7440-39-3	Barium	330	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	1.7	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	93	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	550	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	3.1	3.1	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.71	0.12	0.050	mg/Kg			5	7471B

2A-IN  
 CALIBRATION VERIFICATIONS  
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

ICV Source: P\_ICV\_wk\_00215 Concentration Units: ug/L

CCV Source: P\_CCV\_wk\_00110

Analyte	ICV 680-275916/4 05/07/2013 15:15				CCV 680-275916/144 05/08/2013 04:14				CCV 680-275916/156 05/08/2013 05:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Arsenic</b>	986		1000	99	497		500	99	480		500	96
<b>Barium</b>	1040		1000	104	5100		5000	102	4940		5000	99
<b>Cadmium</b>	1050		1000	105	513		500	103	492		500	98
<b>Chromium</b>	1030		1000	103	5160		5000	103	4980		5000	100
<b>Lead</b>	1020		1000	102	491		500	98	473		500	95
<b>Selenium</b>	992		1000	99	4900		5000	98	4720		5000	94
<b>Silver</b>	988		1000	99	491		500	98	470		500	94

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.: 680-89985-3

SDG No.: 68089985-3

ICV Source: P\_ICV\_wk\_00215 Concentration Units: ug/L

CCV Source: P\_CCV\_wk\_00110

Analyte	CCV 680-275916/168 05/08/2013 06:25				CCV 680-275916/180 05/08/2013 07:30							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Arsenic</b>	480		500	96	477		500	95				
<b>Barium</b>	4970		5000	99	4920		5000	98				
<b>Cadmium</b>	494		500	99	486		500	97				
<b>Chromium</b>	5010		5000	100	4960		5000	99				
<b>Lead</b>	475		500	95	470		500	94				
<b>Selenium</b>	4720		5000	94	4660		5000	93				
<b>Silver</b>	472		500	94	468		500	94				

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.: 680-89985-3

SDG No.: 68089985-3

ICV Source: P\_ICV\_wk\_00215 Concentration Units: ug/L

CCV Source: P\_CCV\_wk\_00110

Analyte	ICV 680-276179/4 05/08/2013 14:53				CCV 680-276179/24 05/08/2013 16:41				CCV 680-276179/36 05/08/2013 17:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Barium</b>	1030		1000	103	5140		5000	103	5170		5000	103
<i>Arsenic</i>	986		1000	99	500		500	100	510		500	102
<i>Cadmium</i>	1040		1000	104	520		500	104	524		500	105
<i>Chromium</i>	1020		1000	102	5160		5000	103	5200		5000	104
<i>Lead</i>	1000		1000	100	492		500	98	498		500	100
<i>Selenium</i>	977		1000	98	4930		5000	99	4970		5000	99
<i>Silver</i>	978		1000	98	495		500	99	505		500	101

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

2A-IN  
 CALIBRATION VERIFICATIONS  
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

ICV Source: hg\_icvint\_00086 Concentration Units: ug/L

CCV Source: Hg\_Int\_Cal\_00092

Analyte	ICV 680-275956/40-A 05/09/2013 17:18				CCV 680-275956/37-A 05/09/2013 17:26				CCV 680-275956/37-A 05/09/2013 17:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	2.99		3.00	100	2.52		2.50	101	2.41		2.50	97

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.: 680-89985-3

SDG No.: 68089985-3

ICV Source: hg\_icvint\_00086 Concentration Units: ug/L

CCV Source: Hg\_Int\_Cal\_00092

Analyte	ICV 680-275956/40-A 05/10/2013 10:44				CCV 680-275956/37-A 05/10/2013 11:50				CCV 680-275956/37-A 05/10/2013 12:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	3.06		3.00	102	2.60		2.50	104	2.40		2.50	96

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.: 680-89985-3

SDG No.: 68089985-3

ICV Source: hg\_icvint\_00086 Concentration Units: ug/L

CCV Source: Hg\_Int\_Cal\_00092

Analyte	CCV 680-275956/37-A 05/10/2013 12:49				CCV 680-275956/37-A 05/10/2013 13:31				CCV 680-275956/37-A 05/10/2013 13:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	2.39		2.50	95	2.39		2.50	95	2.30		2.50	92

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.: 680-89985-3  
 SDG No.: 68089985-3  
 Method: 6010C Instrument ID: ICPE  
 Lab Sample ID: CRI 680-275916/6 Concentration Units: ug/L  
 CRQL Check Standard Source: P\_CRI\_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	24.9		124	50-150
Barium	10.0	9.97	J	100	50-150
Cadmium	5.00	5.18		104	50-150
Chromium	10.0	10.2		102	50-150
Lead	10.0	10.3		103	50-150
Selenium	20.0	17.9	J	90	50-150
Silver	10.0	9.79	J	98	50-150

Lab Sample ID: CRI 680-276179/6 Concentration Units: ug/L  
 CRQL Check Standard Source: P\_CRI\_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	20.5		102	50-150
Barium	10.0	11.0		110	50-150
Cadmium	5.00	5.32		106	50-150
Chromium	10.0	10.7		107	50-150
Lead	10.0	8.44	J	84	50-150
Selenium	20.0	19.4	J	97	50-150
Silver	10.0	10.1		101	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.: 680-89985-3  
 SDG No.: 68089985-3  
 Method: 7471B Instrument ID: LEEMAN2  
 Lab Sample ID: CRA 680-275956/42-A Concentration Units: ug/L  
 CRQL Check Standard Source: Hg\_Int\_Cal\_00092

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.212		106	50-150

Lab Sample ID: CRA 680-275956/42-A Concentration Units: ug/L  
 CRQL Check Standard Source: Hg\_Int\_Cal\_00092

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.197	J	99	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.: 680-89985-3

SDG No.: 68089985-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-275916/5 05/07/2013 15:20		CCB 680-275916/145 05/08/2013 04:20		CCB 680-275916/157 05/08/2013 05:25		CCB 680-275916/169 05/08/2013 06:30	
		Found	C	Found	C	Found	C	Found	C
<b>Arsenic</b>	20	20	U	20	U	20	U	20	U
<b>Barium</b>	10	10	U	10	U	10	U	10	U
<b>Cadmium</b>	5.0	5.0	U	5.0	U	5.0	U	5.0	U
<b>Chromium</b>	10	10	U	10	U	10	U	10	U
<b>Lead</b>	10	10	U	10	U	10	U	10	U
<b>Selenium</b>	25	25	U	25	U	25	U	25	U
<b>Silver</b>	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.: 680-89985-3

SDG No.: 68089985-3

Concentration Units: ug/L

Analyte	RL	CCB 680-275916/181 05/08/2013 07:36							
		Found	C	Found	C	Found	C	Found	C
<b>Arsenic</b>	20	20	U						
<b>Barium</b>	10	10	U						
<b>Cadmium</b>	5.0	5.0	U						
<b>Chromium</b>	10	10	U						
<b>Lead</b>	10	10	U						
<b>Selenium</b>	25	25	U						
<b>Silver</b>	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-276179/5 05/08/2013 14:58		CCB 680-276179/25 05/08/2013 16:47		CCB 680-276179/37 05/08/2013 17:56		Found	C
		Found	C	Found	C	Found	C		
<b>Barium</b>	10	10	U	10	U	10	U		
<i>Arsenic</i>	20	20	U	20	U	20	U		
<i>Cadmium</i>	5.0	5.0	U	5.0	U	5.0	U		
<i>Chromium</i>	10	10	U	10	U	10	U		
<i>Lead</i>	10	10	U	10	U	10	U		
<i>Selenium</i>	25	25	U	25	U	25	U		
<i>Silver</i>	10	10	U	10	U	10	U		

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Concentration Units: ug/L

Analyte	RL	ICB 680-275956/41-A 05/09/2013 17:21		CCB 680-275956/38-A 05/09/2013 17:28		CCB 680-275956/38-A 05/09/2013 17:57		Found	C
		Found	C	Found	C	Found	C		
<b>Mercury</b>	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Concentration Units: ug/L

Analyte	RL	ICB 680-275956/41-A 05/10/2013 10:46		CCB 680-275956/38-A 05/10/2013 11:52		CCB 680-275956/38-A 05/10/2013 12:22		CCB 680-275956/38-A 05/10/2013 12:51	
		Found	C	Found	C	Found	C	Found	C
<b>Mercury</b>	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.: 680-89985-3

SDG No.: 68089985-3

Concentration Units: ug/L

Analyte	RL	CCB 680-275956/38-A 05/10/2013 13:33		CCB 680-275956/38-A 05/10/2013 13:47		Found	C	Found	C
		Found	C	Found	C				
<b>Mercury</b>	0.20	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.: 680-89985-3  
SDG No.: 68089985-3  
Concentration Units: mg/Kg Lab Sample ID: MB 680-275575/1-A  
Instrument Code: ICPE Batch No.: 275916

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



3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
SDG No.: 68089985-3  
Concentration Units: mg/Kg Lab Sample ID: MB 680-275961/1-A  
Instrument Code: LEEMAN2 Batch No.: 276240

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

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
SDG No.: 68089985-3  
Concentration Units: mg/Kg Lab Sample ID: MB 680-275956/1-A  
Instrument Code: LEEMAN2 Batch No.: 276327

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.: 680-89985-3

SDG No.: 68089985-3

Lab Sample ID: ICSA 680-275916/7

Instrument ID: ICPE

Lab File ID: E05072013AP.csv

ICS Source: P\_ICSA\_wk\_00032

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
<b>Arsenic</b>		<b>-4.24</b>	
<b>Barium</b>		<b>1.59</b>	
<b>Cadmium</b>		<b>1.37</b>	
<b>Chromium</b>		<b>0.348</b>	
<b>Lead</b>		<b>1.21</b>	
<b>Selenium</b>		<b>-6.39</b>	
<b>Silver</b>		<b>-0.686</b>	
<i>Aluminum</i>	<i>500000</i>	<i>521052</i>	<i>104</i>
<i>Antimony</i>		<i>5.46</i>	
<i>Beryllium</i>		<i>-0.156</i>	
<i>Boron</i>		<i>-2.19</i>	
<i>Calcium</i>	<i>500000</i>	<i>481478</i>	<i>96</i>
<i>Cobalt</i>		<i>1.35</i>	
<i>Copper</i>		<i>-6.06</i>	
<i>Iron</i>	<i>200000</i>	<i>185785</i>	<i>93</i>
<i>Magnesium</i>	<i>500000</i>	<i>517073</i>	<i>103</i>
<i>Manganese</i>		<i>0.854</i>	
<i>Molybdenum</i>		<i>1.66</i>	
<i>Nickel</i>		<i>4.64</i>	
<i>Potassium</i>		<i>6.49</i>	
<i>Sodium</i>		<i>63.9</i>	
<i>Strontium</i>		<i>7.98</i>	
<i>Thallium</i>		<i>-6.56</i>	
<i>Tin</i>		<i>4.48</i>	
<i>Titanium</i>		<i>1.89</i>	
<i>Vanadium</i>		<i>1.16</i>	
<i>Zinc</i>		<i>12.2</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.: 680-89985-3

SDG No.: 68089985-3

Lab Sample ID: ICSAB 680-275916/8

Instrument ID: ICPE

Lab File ID: E05072013AP.csv

ICS Source: P\_ICSAB\_wk\_00045

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
<b>Arsenic</b>	<b>100</b>	<b>112</b>	<b>112</b>
<b>Barium</b>	<b>500</b>	<b>527</b>	<b>105</b>
<b>Cadmium</b>	<b>1000</b>	<b>1008</b>	<b>101</b>
<b>Chromium</b>	<b>500</b>	<b>516</b>	<b>103</b>
<b>Lead</b>	<b>50.0</b>	<b>50.1</b>	<b>100</b>
<b>Selenium</b>	<b>50.0</b>	<b>47.7</b>	<b>95</b>
<b>Silver</b>	<b>200</b>	<b>220</b>	<b>110</b>
<i>Aluminum</i>	<i>500000</i>	<i>535194</i>	<i>107</i>
<i>Antimony</i>	<i>600</i>	<i>640</i>	<i>107</i>
<i>Beryllium</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Boron</i>		<i>-7.10</i>	
<i>Calcium</i>	<i>500000</i>	<i>491240</i>	<i>98</i>
<i>Cobalt</i>	<i>500</i>	<i>504</i>	<i>101</i>
<i>Copper</i>	<i>500</i>	<i>564</i>	<i>113</i>
<i>Iron</i>	<i>200000</i>	<i>190692</i>	<i>95</i>
<i>Magnesium</i>	<i>500000</i>	<i>530552</i>	<i>106</i>
<i>Manganese</i>	<i>500</i>	<i>534</i>	<i>107</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1093</i>	<i>109</i>
<i>Nickel</i>	<i>1000</i>	<i>994</i>	<i>99</i>
<i>Potassium</i>		<i>-1.31</i>	
<i>Sodium</i>		<i>-244</i>	
<i>Strontium</i>		<i>9.02</i>	
<i>Thallium</i>	<i>100</i>	<i>94.0</i>	<i>94</i>
<i>Tin</i>	<i>1000</i>	<i>1026</i>	<i>103</i>
<i>Titanium</i>		<i>1.90</i>	
<i>Vanadium</i>	<i>500</i>	<i>502</i>	<i>100</i>
<i>Zinc</i>	<i>1000</i>	<i>999</i>	<i>100</i>

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

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG No.: 68089985-3

Lab Sample ID: ICSA 680-276179/7

Instrument ID: ICPE

Lab File ID: E05082013AFIN.csv

ICS Source: P\_ICSA\_wk\_00032

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
<b>Barium</b>		<b>3.41</b>	
Aluminum	500000	526491	105
Antimony		8.22	
Arsenic		4.98	
Beryllium		-0.156	
Boron		-18.9	
Cadmium		2.91	
Calcium	500000	484312	97
Chromium		0.629	
Cobalt		0.912	
Copper		-6.90	
Iron	200000	186389	93
Lead		1.79	
Magnesium	500000	518653	104
Manganese		0.224	
Molybdenum		1.83	
Nickel		4.88	
Potassium		7.31	
Selenium		-7.89	
Silver		-0.424	
Sodium		686	
Strontium		9.56	
Thallium		-5.74	
Tin		-2.76	
Titanium		1.94	
Vanadium		1.08	
Zinc		10.4	

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.: 680-89985-3

SDG No.: 68089985-3

Lab Sample ID: ICSAB 680-276179/8

Instrument ID: ICPE

Lab File ID: E05082013AFIN.csv

ICS Source: P\_ICSAB\_wk\_00045

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
<b>Barium</b>	<b>500</b>	<b>533</b>	<b>107</b>
<i>Aluminum</i>	<i>500000</i>	<i>543728</i>	<i>109</i>
<i>Antimony</i>	<i>600</i>	<i>643</i>	<i>107</i>
<i>Arsenic</i>	<i>100</i>	<i>114</i>	<i>114</i>
<i>Beryllium</i>	<i>500</i>	<i>514</i>	<i>103</i>
<i>Boron</i>		<i>-23.2</i>	
<i>Cadmium</i>	<i>1000</i>	<i>1015</i>	<i>101</i>
<i>Calcium</i>	<i>500000</i>	<i>497670</i>	<i>100</i>
<i>Chromium</i>	<i>500</i>	<i>519</i>	<i>104</i>
<i>Cobalt</i>	<i>500</i>	<i>507</i>	<i>101</i>
<i>Copper</i>	<i>500</i>	<i>575</i>	<i>115</i>
<i>Iron</i>	<i>200000</i>	<i>191886</i>	<i>96</i>
<i>Lead</i>	<i>50.0</i>	<i>45.0</i>	<i>90</i>
<i>Magnesium</i>	<i>500000</i>	<i>533713</i>	<i>107</i>
<i>Manganese</i>	<i>500</i>	<i>541</i>	<i>108</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1099</i>	<i>110</i>
<i>Nickel</i>	<i>1000</i>	<i>995</i>	<i>100</i>
<i>Potassium</i>		<i>0.715</i>	
<i>Selenium</i>	<i>50.0</i>	<i>52.1</i>	<i>104</i>
<i>Silver</i>	<i>200</i>	<i>223</i>	<i>112</i>
<i>Sodium</i>		<i>538</i>	
<i>Strontium</i>		<i>11.5</i>	
<i>Thallium</i>	<i>100</i>	<i>90.5</i>	<i>90</i>
<i>Tin</i>	<i>1000</i>	<i>1028</i>	<i>103</i>
<i>Titanium</i>		<i>1.98</i>	
<i>Vanadium</i>	<i>500</i>	<i>504</i>	<i>101</i>
<i>Zinc</i>	<i>1000</i>	<i>994</i>	<i>99</i>

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

5A-IN  
 MATRIX SPIKE SAMPLE RECOVERY  
 METALS

Client ID: CV1067B-CS MS

Lab ID: 680-89985-3 MS

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG No.: 68089985-3

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 73.4

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	48.9	31	13.2	132	75-125	F	6010C
Barium	861	530	13.2	2486	75-125	4	6010C
Cadmium	14.0	7.4	6.61	100	75-125		6010C
Chromium	89.7	72	13.2	137	75-125	4	6010C
Lead	564	490	6.61	1166	75-125	4	6010C
Selenium	11.3	3.3	U	13.2	75-125		6010C
Silver	6.74	0.34	J	6.61	75-125		6010C
Mercury	0.437	0.41		0.115	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 SAMPLE RECOVERY  
 METALS

Client ID: CV1006A-CS (sieve) MS                      Lab ID: 680-89985-29 MS  
 Lab Name: TestAmerica Savannah                      Job No.: 680-89985-3  
 SDG No.: 68089985-3  
 Matrix: Solid    Concentration Units: mg/Kg  
 % Solids: 76.7

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.799	0.71	0.119	78	80-120	4	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: CV1067B-CS MSD Lab ID: 680-89985-3 MSD  
 Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
 SDG No.: 68089985-3  
 Matrix: Solid Concentration Units: mg/Kg  
 % Solids: 73.4

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	46.4	13.2	114	75-125	5	20		6010C
Barium	1660	13.2	8556	75-125	64	20	4 F	6010C
Cadmium	12.9	6.61	83	75-125	8	20		6010C
Chromium	74.7	13.2	23	75-125	18	20	4	6010C
Lead	1440	6.61	14359	75-125	87	20	4 F	6010C
Selenium	11.4	13.2	86	75-125	1	20		6010C
Silver	6.36	6.61	91	75-125	6	20		6010C
Mercury	0.477	0.120	54	80-120	9	20	F	7471B

SDR = Sample Duplicate Result

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

5A-IN  
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY  
 METALS

Client ID: CV1006A-CS (sieve) MSD                      Lab ID: 680-89985-29 MSD  
 Lab Name: TestAmerica Savannah                      Job No.: 680-89985-3  
 SDG No.: 68089985-3  
 Matrix: Solid    Concentration Units: mg/Kg  
 % Solids: 76.7

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.840	0.112	119	80-120	5	20	4	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: 680-89896-B-4-A PDS  
 Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
 SDG No.: 68089985-3  
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	268	21	240	103	75-125		6010C
Barium	429	200	240	95	75-125		6010C
Cadmium	6.48	0.76	6.01	95	75-125		6010C
Chromium	63.4	41	24.0	95	75-125		6010C
Lead	173	120	60.1	86	75-125		6010C
Selenium	231	3.0	240	96	75-125		6010C
Silver	5.68	1.2	6.01	95	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 680-275575/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

Sample Matrix: Solid

LCS Source: MS\_LCS1\_WK\_00003

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	9.90	10.2		103	75	125		6010C
Barium	9.90	10.2		103	75	125		6010C
Cadmium	4.95	5.16		104	75	125		6010C
Chromium	9.90	10.4		105	75	125		6010C
Lead	4.95	4.86		98	75	125		6010C
Selenium	9.90	9.39		95	75	125		6010C
Silver	4.95	4.86		98	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 680-275961/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

Sample Matrix: Solid

LCS Source: Hg\_Int\_Cal\_00092

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.223	0.243		109	80      120		7471B

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

FORM VIIA - IN

7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 680-275956/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

Sample Matrix: Solid

LCS Source: Hg\_Int\_Cal\_00092

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.245	0.228		93	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: 680-89896-B-4-A SD ^5

SDG No: 68089985-3

Lab Name: TestAmerica Savannah

Job No: 680-89985-3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	21	26.0	NC		6010C
Barium	200	206	2.7		6010C
Cadmium	0.76	3.0 U	NC		6010C
Chromium	41	42.1	3.4		6010C
Lead	120	125	3.3		6010C
Selenium	3.0 U	15 U	NC		6010C
Silver	1.2 U	6.0 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: 680-89985-3

SDG Number: 68089985-3

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: 680-89985-3

SDG Number: 68089985-3

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: 680-89985-3

SDG Number: 68089985-3

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: 680-89985-3  
SDG Number: 68089985-3  
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: 680-89985-3

SDG No.: 68089985-3

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: 680-89985-3

SDG No.: 68089985-3

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.: 680-89985-3

SDG No.: 68089985-3

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-275575/1-A	05/06/2013 08:40	275575	1.02		100
LCS 680-275575/2-A	05/06/2013 08:40	275575	1.01		100
680-89985-3	05/06/2013 08:40	275575	1.02		100
680-89985-3 MS	05/06/2013 08:40	275575	1.03		100
680-89985-3 MSD	05/06/2013 08:40	275575	1.03		100
680-89985-10	05/06/2013 08:40	275575	1.17		100
680-89985-16	05/06/2013 08:40	275575	1.05		100
680-89985-27	05/06/2013 08:40	275575	1.05		100
680-89985-28	05/06/2013 08:40	275575	1.06		100
680-89985-29	05/06/2013 08:40	275575	1.06		100

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG No.: 68089985-3

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-275956/1-A	05/08/2013 12:47	275956	0.50		50
LCS 680-275956/2-A	05/08/2013 12:47	275956	0.51		50
680-89985-16	05/08/2013 12:47	275956	0.52		50
680-89985-27	05/08/2013 12:47	275956	0.51		50
680-89985-28	05/08/2013 12:47	275956	0.53		50
680-89985-29	05/08/2013 12:47	275956	0.53		50
680-89985-29 MS	05/08/2013 12:47	275956	0.55		50
680-89985-29 MSD	05/08/2013 12:47	275956	0.58		50

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89985-3

SDG No.: 68089985-3

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-275961/1-A	05/08/2013 13:09	275961	0.51		50
LCS 680-275961/2-A	05/08/2013 13:09	275961	0.56		50
680-89985-3	05/08/2013 13:09	275961	0.52		50
680-89985-3 MS	05/08/2013 13:09	275961	0.59		50
680-89985-3 MSD	05/08/2013 13:09	275961	0.57		50
680-89985-10	05/08/2013 13:09	275961	0.53		50



13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/07/2013 14:58 End Date: 05/08/2013 09:48

Lab Sample ID	D / F	Type	Time	Analytes																	
				A g	A s	B a	C d	C r	P b	S e											
ZZZZZZ			14:58																		
ZZZZZZ			15:04																		
ZZZZZZ			15:09																		
ICV 680-275916/4	1		15:15	X	X	X	X	X	X	X											
ICBIS 680-275916/5	1		15:20	X	X	X	X	X	X	X											
CRI 680-275916/6	1		15:26	X	X	X	X	X	X	X											
ICSA 680-275916/7	1		15:31	X	X	X	X	X	X	X											
ICSAB 680-275916/8	1		15:37	X	X	X	X	X	X	X											
ZZZZZZ			15:47																		
ZZZZZZ			15:52																		
ZZZZZZ			15:58																		
CCV 680-275916/12			16:03																		
CCB 680-275916/13			16:16																		
ZZZZZZ			16:22																		
ZZZZZZ			16:27																		
ZZZZZZ			16:38																		
ZZZZZZ			16:44																		
ZZZZZZ			16:49																		
ZZZZZZ			16:54																		
ZZZZZZ			17:00																		
ZZZZZZ			17:05																		
ZZZZZZ			17:11																		
ZZZZZZ			17:16																		
CCV 680-275916/24			17:22																		
CCB 680-275916/25			17:27																		
ZZZZZZ			17:32																		
ZZZZZZ			17:38																		
ZZZZZZ			17:43																		
ZZZZZZ			17:49																		
ZZZZZZ			17:54																		
ZZZZZZ			17:59																		
ZZZZZZ			18:05																		
ZZZZZZ			18:10																		
ZZZZZZ			18:16																		
ZZZZZZ			18:21																		
CCV 680-275916/36			18:27																		
CCB 680-275916/37			18:32																		
ZZZZZZ			18:38																		
ZZZZZZ			18:43																		
ZZZZZZ			18:48																		
ZZZZZZ			18:54																		
ZZZZZZ			18:59																		

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3  
 SDG No.: 68089985-3  
 Instrument ID: ICPE Method: 6010C  
 Start Date: 05/07/2013 14:58 End Date: 05/08/2013 09:48

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			19:05																
ZZZZZZ			19:10																
ZZZZZZ			19:15																
ZZZZZZ			19:21																
ZZZZZZ			19:26																
CCV 680-275916/48			19:32																
CCB 680-275916/49			19:37																
ZZZZZZ			19:43																
ZZZZZZ			19:48																
ZZZZZZ			19:54																
ZZZZZZ			19:59																
ZZZZZZ			20:05																
ZZZZZZ			20:10																
ZZZZZZ			20:16																
ZZZZZZ			20:21																
ZZZZZZ			20:26																
ZZZZZZ			20:32																
CCV 680-275916/60			20:37																
CCB 680-275916/61			20:43																
ZZZZZZ			20:48																
ZZZZZZ			20:54																
ZZZZZZ			20:59																
ZZZZZZ			21:04																
ZZZZZZ			21:10																
ZZZZZZ			21:15																
ZZZZZZ			21:21																
ZZZZZZ			21:26																
ZZZZZZ			21:31																
ZZZZZZ			21:37																
CCV 680-275916/72			21:42																
CCB 680-275916/73			21:48																
ZZZZZZ			21:53																
ZZZZZZ			21:59																
ZZZZZZ			22:04																
ZZZZZZ			22:09																
ZZZZZZ			22:15																
ZZZZZZ			22:20																
ZZZZZZ			22:26																
ZZZZZZ			22:31																
ZZZZZZ			22:37																
ZZZZZZ			22:42																
CCV 680-275916/84			22:47																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/07/2013 14:58 End Date: 05/08/2013 09:48

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
CCB 680-275916/85			22:53																
ZZZZZZ			22:58																
ZZZZZZ			23:04																
ZZZZZZ			23:09																
ZZZZZZ			23:14																
ZZZZZZ			23:20																
ZZZZZZ			23:25																
ZZZZZZ			23:31																
ZZZZZZ			23:36																
ZZZZZZ			23:42																
ZZZZZZ			23:47																
CCV 680-275916/96			23:52																
CCB 680-275916/97			23:58																
ZZZZZZ			00:03																
ZZZZZZ			00:09																
ZZZZZZ			00:14																
ZZZZZZ			00:20																
ZZZZZZ			00:25																
ZZZZZZ			00:31																
ZZZZZZ			00:36																
ZZZZZZ			00:42																
ZZZZZZ			00:47																
ZZZZZZ			00:52																
CCV 680-275916/108			00:58																
CCB 680-275916/109			01:03																
ZZZZZZ			01:09																
ZZZZZZ			01:14																
ZZZZZZ			01:20																
ZZZZZZ			01:25																
ZZZZZZ			01:30																
ZZZZZZ			01:36																
ZZZZZZ			01:41																
ZZZZZZ			01:47																
ZZZZZZ			01:52																
ZZZZZZ			01:58																
CCV 680-275916/120			02:03																
CCB 680-275916/121			02:09																
ZZZZZZ			02:14																
ZZZZZZ			02:20																
ZZZZZZ			02:25																
ZZZZZZ			02:31																
ZZZZZZ			02:36																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/07/2013 14:58 End Date: 05/08/2013 09:48

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			02:42																
ZZZZZZ			02:47																
ZZZZZZ			02:53																
ZZZZZZ			02:58																
ZZZZZZ			03:03																
CCV 680-275916/132			03:09																
CCB 680-275916/133			03:14																
ZZZZZZ			03:20																
ZZZZZZ			03:25																
ZZZZZZ			03:31																
ZZZZZZ			03:36																
ZZZZZZ			03:41																
ZZZZZZ			03:47																
ZZZZZZ			03:52																
ZZZZZZ			03:58																
ZZZZZZ			04:03																
ZZZZZZ			04:09																
CCV 680-275916/144	1		04:14	X	X	X	X	X	X	X									
CCB 680-275916/145	1		04:20	X	X	X	X	X	X	X									
ZZZZZZ			04:25																
ZZZZZZ			04:30																
ZZZZZZ			04:36																
ZZZZZZ			04:41																
ZZZZZZ			04:47																
ZZZZZZ			04:52																
ZZZZZZ			04:58																
ZZZZZZ			05:03																
ZZZZZZ			05:09																
MB 680-275575/1-A	1	T	05:14	X	X	X	X	X	X	X									
CCV 680-275916/156	1		05:20	X	X	X	X	X	X	X									
CCB 680-275916/157	1		05:25	X	X	X	X	X	X	X									
LCS 680-275575/2-A	1	T	05:30	X	X	X	X	X	X	X									
ZZZZZZ			05:36																
680-89896-B-4-A SD ^5	5	T	05:41	X	X	X	X	X	X	X									
680-89896-B-4-A PDS	1	T	05:47	X	X	X	X	X	X	X									
ZZZZZZ			05:52																
ZZZZZZ			05:58																
ZZZZZZ			06:03																
ZZZZZZ			06:09																
ZZZZZZ			06:14																
ZZZZZZ			06:19																
CCV 680-275916/168	1		06:25	X	X	X	X	X	X	X									

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/07/2013 14:58 End Date: 05/08/2013 09:48

Lab Sample ID	D / F	Type	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
CCB 680-275916/169	1		06:30	X	X	X	X	X	X	X									
ZZZZZZ			06:36																
ZZZZZZ			06:41																
680-89985-3	1	T	06:47	X	X		X	X	X	X									
680-89985-3 MS	1	T	06:52	X	X		X	X	X	X									
680-89985-3 MSD	1	T	06:58	X	X		X	X	X	X									
680-89985-10	1	T	07:03	X	X	X	X	X	X	X									
680-89985-16	1	T	07:09	X	X	X	X	X	X	X									
680-89985-27	1	T	07:14	X	X	X	X	X	X	X									
680-89985-28	1	T	07:19	X	X	X	X	X	X	X									
680-89985-29	1	T	07:25	X	X	X	X	X	X	X									
CCV 680-275916/180	1		07:30	X	X	X	X	X	X	X									
CCB 680-275916/181	1		07:36	X	X	X	X	X	X	X									
ZZZZZZ			07:41																
ZZZZZZ			07:47																
ZZZZZZ			07:52																
ZZZZZZ			07:58																
ZZZZZZ			08:03																
ZZZZZZ			08:08																
ZZZZZZ			08:14																
ZZZZZZ			08:19																
ZZZZZZ			08:25																
ZZZZZZ			08:30																
CCV 680-275916/192			08:36																
CCB 680-275916/193			08:41																
ZZZZZZ			08:47																
ZZZZZZ			08:52																
ZZZZZZ			08:58																
ZZZZZZ			09:03																
ZZZZZZ			09:09																
ZZZZZZ			09:14																
ZZZZZZ			09:20																
ZZZZZZ			09:25																
ZZZZZZ			09:31																
ZZZZZZ			09:38																
CCV 680-275916/204			09:43																
CCB 680-275916/205			09:48																

Prep Types  
T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	T y p e	Time	Analytes															
				B a															
ZZZZZZ			14:37																
ZZZZZZ			14:42																
ZZZZZZ			14:48																
ICV 680-276179/4	1		14:53	X															
ICBIS 680-276179/5	1		14:58	X															
CRI 680-276179/6	1		15:04	X															
ICSA 680-276179/7	1		15:09	X															
ICSAB 680-276179/8	1		15:15	X															
ZZZZZZ			15:20																
ZZZZZZ			15:26																
ZZZZZZ			15:31																
CCV 680-276179/12			15:36																
CCB 680-276179/13			15:42																
ZZZZZZ			15:47																
ZZZZZZ			15:53																
ZZZZZZ			15:58																
ZZZZZZ			16:03																
ZZZZZZ			16:09																
ZZZZZZ			16:14																
ZZZZZZ			16:20																
ZZZZZZ			16:25																
ZZZZZZ			16:31																
ZZZZZZ			16:36																
CCV 680-276179/24	1		16:41	X															
CCB 680-276179/25	1		16:47	X															
ZZZZZZ			16:52																
ZZZZZZ			16:58																
ZZZZZZ			17:03																
ZZZZZZ			17:08																
ZZZZZZ			17:17																
ZZZZZZ			17:23																
ZZZZZZ			17:28																
680-89985-3	5	T	17:34	X															
680-89985-3 MS	5	T	17:39	X															
680-89985-3 MSD	5	T	17:45	X															
CCV 680-276179/36	1		17:50	X															
CCB 680-276179/37	1		17:56	X															
ZZZZZZ			18:01																
ZZZZZZ			18:16																
ZZZZZZ			18:21																
ZZZZZZ			18:26																
ZZZZZZ			18:32																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	Type	Time	Analytes															
				B	a														
ZZZZZZ			18:37																
ZZZZZZ			18:43																
ZZZZZZ			18:48																
ZZZZZZ			18:54																
ZZZZZZ			18:59																
CCV 680-276179/48			19:04																
CCB 680-276179/49			19:10																
ZZZZZZ			19:15																
ZZZZZZ			19:21																
ZZZZZZ			19:26																
ZZZZZZ			19:32																
ZZZZZZ			19:37																
ZZZZZZ			19:42																
ZZZZZZ			19:48																
ZZZZZZ			19:53																
ZZZZZZ			19:59																
ZZZZZZ			20:04																
CCV 680-276179/60			20:10																
CCB 680-276179/61			20:15																
ZZZZZZ			20:21																
ZZZZZZ			20:26																
ZZZZZZ			20:31																
ZZZZZZ			20:37																
ZZZZZZ			20:42																
ZZZZZZ			20:48																
ZZZZZZ			20:53																
ZZZZZZ			20:59																
ZZZZZZ			21:04																
ZZZZZZ			21:10																
CCV 680-276179/72			21:15																
CCB 680-276179/73			21:20																
ZZZZZZ			21:26																
ZZZZZZ			21:31																
ZZZZZZ			21:37																
ZZZZZZ			21:42																
ZZZZZZ			21:47																
ZZZZZZ			21:53																
ZZZZZZ			21:58																
ZZZZZZ			22:04																
ZZZZZZ			22:09																
ZZZZZZ			22:15																
CCV 680-276179/84			22:20																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	Type	Time	Analytes															
				B a															
CCB 680-276179/85			22:25																
ZZZZZZ			22:31																
ZZZZZZ			22:36																
ZZZZZZ			22:42																
ZZZZZZ			22:47																
ZZZZZZ			22:53																
ZZZZZZ			22:58																
ZZZZZZ			23:04																
CCV 680-276179/93			23:09																
CCB 680-276179/94			23:14																
ZZZZZZ			23:20																
ZZZZZZ			23:25																
ZZZZZZ			23:31																
ZZZZZZ			23:36																
ZZZZZZ			23:42																
ZZZZZZ			23:47																
ZZZZZZ			23:53																
ZZZZZZ			23:58																
ZZZZZZ			00:03																
ZZZZZZ			00:09																
CCV 680-276179/105			00:14																
CCB 680-276179/106			00:20																
ZZZZZZ			00:25																
ZZZZZZ			00:31																
ZZZZZZ			00:36																
ZZZZZZ			00:41																
ZZZZZZ			00:47																
ZZZZZZ			00:52																
ZZZZZZ			00:58																
ZZZZZZ			01:03																
ZZZZZZ			01:09																
ZZZZZZ			01:14																
CCV 680-276179/117			01:20																
CCB 680-276179/118			01:25																
ZZZZZZ			01:30																
ZZZZZZ			01:36																
ZZZZZZ			01:41																
ZZZZZZ			01:47																
ZZZZZZ			01:52																
ZZZZZZ			01:58																
ZZZZZZ			02:03																
ZZZZZZ			02:08																



13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	Type	Time	Analytes															
				B	a														
ZZZZZZ			02:14																
ZZZZZZ			02:19																
CCV 680-276179/129			02:25																
CCB 680-276179/130			02:30																
ZZZZZZ			02:36																
ZZZZZZ			02:41																
ZZZZZZ			02:47																
ZZZZZZ			02:52																
ZZZZZZ			02:57																
ZZZZZZ			03:03																
ZZZZZZ			03:08																
ZZZZZZ			03:14																
ZZZZZZ			03:19																
ZZZZZZ			03:25																
CCV 680-276179/141			03:30																
CCB 680-276179/142			03:35																
ZZZZZZ			03:41																
ZZZZZZ			03:46																
ZZZZZZ			03:52																
ZZZZZZ			03:57																
ZZZZZZ			04:03																
ZZZZZZ			04:08																
ZZZZZZ			04:14																
ZZZZZZ			04:19																
ZZZZZZ			04:25																
ZZZZZZ			04:30																
CCV 680-276179/153			04:36																
CCB 680-276179/154			04:41																
ZZZZZZ			04:47																
ZZZZZZ			04:52																
ZZZZZZ			04:57																
ZZZZZZ			05:03																
ZZZZZZ			05:08																
ZZZZZZ			05:14																
ZZZZZZ			05:19																
ZZZZZZ			05:25																
ZZZZZZ			05:30																
ZZZZZZ			05:36																
CCV 680-276179/165			05:41																
CCB 680-276179/166			05:46																
ZZZZZZ			05:52																
ZZZZZZ			05:58																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	Type	Time	Analytes															
				B	a														
ZZZZZZ			06:03																
ZZZZZZ			06:08																
ZZZZZZ			06:14																
ZZZZZZ			06:19																
ZZZZZZ			06:25																
ZZZZZZ			06:30																
ZZZZZZ			06:36																
ZZZZZZ			06:41																
CCV 680-276179/177			06:47																
CCB 680-276179/178			06:52																
ZZZZZZ			06:58																
ZZZZZZ			07:03																
ZZZZZZ			07:08																
ZZZZZZ			07:14																
ZZZZZZ			07:19																
ZZZZZZ			07:25																
ZZZZZZ			07:30																
ZZZZZZ			07:36																
ZZZZZZ			07:41																
ZZZZZZ			07:47																
CCV 680-276179/189			07:52																
CCB 680-276179/190			07:58																
ZZZZZZ			08:03																
ZZZZZZ			08:08																
ZZZZZZ			08:14																
ZZZZZZ			08:19																
ZZZZZZ			08:25																
ZZZZZZ			08:30																
ZZZZZZ			08:36																
ZZZZZZ			08:42																
ZZZZZZ			08:47																
ZZZZZZ			08:53																
CCV 680-276179/201			08:58																
CCB 680-276179/202			09:04																
ZZZZZZ			09:09																
ZZZZZZ			09:15																
ZZZZZZ			09:20																
ZZZZZZ			09:26																
ZZZZZZ			09:31																
ZZZZZZ			09:37																
ZZZZZZ			09:42																
ZZZZZZ			09:48																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	T y p e	Time	Analytes															
				B	a														
ZZZZZZ			09:53																
ZZZZZZ			09:59																
CCV 680-276179/213			10:04																
CCB 680-276179/214			10:10																
ZZZZZZ			10:15																
ZZZZZZ			10:21																
ZZZZZZ			10:26																
ZZZZZZ			10:32																
ZZZZZZ			10:37																
ZZZZZZ			10:43																
ZZZZZZ			10:50																
ZZZZZZ			10:55																
CCV 680-276179/223			11:02																
CCB 680-276179/224			11:07																
ZZZZZZ			11:13																
ZZZZZZ			11:18																
ZZZZZZ			11:24																
ZZZZZZ			11:29																
ZZZZZZ			11:35																
ZZZZZZ			11:40																
ZZZZZZ			11:46																
ZZZZZZ			11:51																
ZZZZZZ			11:57																
ZZZZZZ			12:02																
CCV 680-276179/235			12:08																
CCB 680-276179/236			12:13																
ZZZZZZ			12:19																
ZZZZZZ			12:24																
ZZZZZZ			12:29																
ZZZZZZ			12:35																
ZZZZZZ			12:40																
ZZZZZZ			12:46																
ZZZZZZ			12:51																
ZZZZZZ			12:57																
ZZZZZZ			13:02																
ZZZZZZ			13:08																
CCV 680-276179/247			13:13																
CCB 680-276179/248			13:19																
ZZZZZZ			13:24																
ZZZZZZ			13:29																
ZZZZZZ			13:35																
ZZZZZZ			13:40																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: ICPE Method: 6010C

Start Date: 05/08/2013 14:37 End Date: 05/09/2013 14:08

Lab Sample ID	D / F	T y p e	Time	Analytes															
				B a															
ZZZZZZ			13:46																
ZZZZZZ			13:51																
ZZZZZZ			13:57																
CCV 680-276179/256			14:02																
CCB 680-276179/257			14:08																

Prep Types  
T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 05/09/2013 17:03 End Date: 05/09/2013 20:40

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
IC 680-275956/30-A			17:03	X															
IC 680-275956/31-A			17:06	X															
IC 680-275956/32-A			17:08	X															
IC 680-275956/33-A			17:11	X															
IC 680-275956/34-A			17:13	X															
IC 680-275956/35-A			17:16	X															
ICV 680-275956/40-A	1		17:18	X															
ICB 680-275956/41-A	1		17:21	X															
CRA 680-275956/42-A	1		17:23	X															
CCV 680-275956/37-A	1		17:26	X															
CCB 680-275956/38-A	1		17:28	X															
MB 680-275961/1-A	1	T	17:30	X															
LCS 680-275961/2-A	1	T	17:33	X															
ZZZZZZ			17:35																
ZZZZZZ			17:38																
ZZZZZZ			17:40																
680-89985-3	1	T	17:43	X															
680-89985-3 MS	1	T	17:45	X															
680-89985-3 MSD	1	T	17:48	X															
680-89985-10	1	T	17:50	X															
ZZZZZZ			17:52																
CCV 680-275956/37-A	1		17:55	X															
CCB 680-275956/38-A	1		17:57	X															
ZZZZZZ			18:00																
ZZZZZZ			18:02																
ZZZZZZ			18:05																
ZZZZZZ			18:07																
ZZZZZZ			18:10																
ZZZZZZ			18:12																
ZZZZZZ			18:15																
ZZZZZZ			18:17																
ZZZZZZ			18:20																
ZZZZZZ			18:22																
CCV 680-275956/37-A			18:24																
CCB 680-275956/38-A			18:27																
ZZZZZZ			18:29																
ZZZZZZ			18:32																
ZZZZZZ			18:34																
ZZZZZZ			18:37																
ZZZZZZ			18:39																
ZZZZZZ			18:42																
ZZZZZZ			18:44																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 05/09/2013 17:03 End Date: 05/09/2013 20:40

Lab Sample ID	D / F	Type	Time	Analytes													
				Hg													
ZZZZZZ			18:47														
ZZZZZZ			18:49														
ZZZZZZ			18:52														
ZZZZZZ			18:54														
ZZZZZZ			18:56														
ZZZZZZ			18:59														
ZZZZZZ			19:01														
ZZZZZZ			19:04														
ZZZZZZ			19:06														
ZZZZZZ			19:09														
ZZZZZZ			19:11														
ZZZZZZ			19:14														
ZZZZZZ			19:16														
ZZZZZZ			19:19														
ZZZZZZ			19:21														
ZZZZZZ			19:24														
ZZZZZZ			19:26														
ZZZZZZ			19:28														
ZZZZZZ			19:31														
ZZZZZZ			19:33														
ZZZZZZ			19:36														
ZZZZZZ			19:38														
ZZZZZZ			19:41														
ZZZZZZ			19:43														
ZZZZZZ			19:46														
ZZZZZZ			19:48														
ZZZZZZ			19:51														
ZZZZZZ			19:53														
ZZZZZZ			19:55														
ZZZZZZ			19:58														
ZZZZZZ			20:00														
ZZZZZZ			20:03														
ZZZZZZ			20:05														
ZZZZZZ			20:08														
ZZZZZZ			20:10														
ZZZZZZ			20:13														
ZZZZZZ			20:15														
ZZZZZZ			20:18														
ZZZZZZ			20:20														
ZZZZZZ			20:23														
ZZZZZZ			20:25														
ZZZZZZ			20:28														

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 05/09/2013 17:03 End Date: 05/09/2013 20:40

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
zzzzzz			20:30																
zzzzzz			20:32																
zzzzzz			20:35																
zzzzzz			20:37																
zzzzzz			20:40																

Prep Types  
T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 05/10/2013 09:53 End Date: 05/10/2013 13:47

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
ZZZZZZ			09:53																
ZZZZZZ			09:56																
ZZZZZZ			09:58																
ZZZZZZ			10:01																
ZZZZZZ			10:05																
ZZZZZZ			10:07																
ZZZZZZ			10:10																
ZZZZZZ			10:12																
IC 680-275956/30-A			10:29	X															
IC 680-275956/31-A			10:31	X															
IC 680-275956/32-A			10:34	X															
IC 680-275956/33-A			10:36	X															
IC 680-275956/34-A			10:39	X															
IC 680-275956/35-A			10:41	X															
ICV 680-275956/40-A	1		10:44	X															
ICB 680-275956/41-A	1		10:46	X															
CRA 680-275956/42-A	1		10:49	X															
CCV 680-275956/37-A			10:51																
CCB 680-275956/38-A			10:54																
ZZZZZZ			10:56																
ZZZZZZ			10:58																
ZZZZZZ			11:01																
ZZZZZZ			11:03																
ZZZZZZ			11:06																
ZZZZZZ			11:08																
ZZZZZZ			11:11																
ZZZZZZ			11:13																
ZZZZZZ			11:16																
ZZZZZZ			11:18																
CCV 680-275956/37-A			11:21																
CCB 680-275956/38-A			11:23																
ZZZZZZ			11:25																
ZZZZZZ			11:28																
ZZZZZZ			11:30																
ZZZZZZ			11:33																
ZZZZZZ			11:35																
ZZZZZZ			11:38																
ZZZZZZ			11:40																
ZZZZZZ			11:43																
ZZZZZZ			11:45																
ZZZZZZ			11:48																
CCV 680-275956/37-A	1		11:50	X															







E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Blank (Blk)	5/7/2013, 2:58:56 PM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	-0.1058	-0.1465	0.2523
Al 308.215	-0.8086	-0.6837	1.4923
As 188.980	3.6287	3.7220	-7.3507
B 249.678	0.0880	-0.3584	0.2704
Ba 389.178	0.1197	-0.3443	0.2246
Be 313.042	-0.0063	0.0076	-0.0013
Ca 370.602	1.456	-0.1744	-1.282
Cd 226.502	-0.0213	0.0452	-0.0238
Co 228.615	0.1131	-0.2486	0.1355
Cr 267.716	-0.0866	-0.0232	0.1098
Cu 324.754	0.2211	-0.0999	-0.1212
Fe 271.441	-0.8475	-0.2620	1.1096
K 766.491	-0.4692	-0.1102	0.5794
Mg 279.078	0.2953	-2.4996	2.2043
Mn 257.610	-0.0901	0.0415	0.0487
Mo 202.032	-0.2574	0.4278	-0.1704
Na 330.237	-154.926	-81.7549	236.681
Ni 231.604	0.4567	-0.4383	-0.0184
Pb 220.353	-1.7184	-0.3062	2.0246
Sb 206.834	0.2037	-0.2038	0.0001
Se 196.026	-2.4189	5.7835	-3.3646
Sn 189.925	-0.9715	3.9011	-2.9296
Sr 216.596	0.0796	-0.0623	-0.0173
Ti 334.941	-0.0112	-0.0096	0.0208
Tl 190.794	1.0507	0.5408	-1.5915
V 292.401	-0.0241	0.0063	0.0178
Zn 206.200	0.4692	-0.1253	-0.3439

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	17.749	84.5	-21.0024
Al 308.215	0.0000	ppb	6.004	8.3	72.3114
As 188.980	0.0000	ppb	3.050	45.3	-6.7275
B 249.678	0.0000	ppb	4.376	3.0	147.116
Ba 389.178	0.0000	ppb	7.034	127.0	5.5404
Be 313.042	0.0000	ppb	13.340	3.5	-377.028
Ca 370.602	0.0000	ppb	4.426	57.9	7.644
Cd 226.502	0.0000	ppb	1.622	4.4	37.2739
Co 228.615	0.0000	ppb	2.914	38.8	7.5017
Cr 267.716	0.0000	ppb	5.296	30.3	17.4780
Cu 324.754	0.0000	ppb	9.048	3.4	263.156
Fe 271.441	0.0000	ppb	1.874	1.7	107.745
K 766.491	0.0000	ppb	20.539	5.5	370.577
Mg 279.078	0.0000	ppb	5.513	14.1	39.1660
Mn 257.610	0.0000	ppb	20.891	28.3	73.8366
Mo 202.032	0.0000	ppb	3.050	18.1	16.8791
Na 330.237	0.0000	ppb	11.356	16.5	68.9618
Ni 231.604	0.0000	ppb	1.389	23.8	-5.8426
Pb 220.353	0.0000	ppb	3.930	12.4	31.6408
Sb 206.834	0.0000	ppb	0.251	6.9	3.6280
Se 196.026	0.0000	ppb	2.783	23.7	11.7626
Sn 189.925	0.0000	ppb	3.570	28.6	-12.4840
Sr 216.596	0.0000	ppb	0.933	4.6	20.2916
Ti 334.941	0.0000	ppb	5.538	13.3	-41.7360
Tl 190.794	0.0000	ppb	1.557	9.9	-15.6866
V 292.401	0.0000	ppb	0.635	7.3	-8.6456
Zn 206.200	0.0000	ppb	0.686	75.4	-0.9099

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HIGH STD (Std)	5/7/2013, 3:04:20 PM		Rack S, Tube 2
Label	Replicates Concentration		
Ag 328.068	994.146	997.344	1008.51
Al 308.215	10021.4	9974.25	10004.3
As 188.980	1017.64	981.895	1000.46
B 249.678	995.409	994.948	1009.64
Ba 389.178	10013.8	9963.12	10023.0
Be 313.042	1001.53	995.880	1002.59
Ca 370.602	10009	9959	10033
Cd 226.502	1002.66	994.603	1002.73
Co 228.615	1000.48	995.795	1003.72
Cr 267.716	10017.1	9952.41	10030.5
Cu 324.754	10040.7	9997.88	9961.38
Fe 271.441	10010.8	9952.16	10037.1
K 766.491	20046.0	19958.6	19995.4
Mg 279.078	10022.2	9954.82	10022.9
Mn 257.610	9978.14	10001.6	10020.2
Mo 202.032	1001.84	996.048	1002.11
Na 330.237	15090.6	14978.9	14930.5
Ni 231.604	5003.64	4977.61	5018.75
Pb 220.353	1004.66	992.208	1003.13
Sb 206.834	1998.22	1990.09	2011.69
Se 196.026	10002.3	9970.54	10027.2
Sn 189.925	9976.53	9937.65	10085.8
Sr 216.596	5008.55	4976.82	5014.64
Ti 334.941	1001.18	996.013	1002.81
Tl 190.794	10005.8	9959.97	10034.2
V 292.401	10016.1	9954.57	10029.3
Zn 206.200	5002.31	4980.24	5017.45

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	609.975	0.8	80856.8
Al 308.215	10000.0	ppb	110.789	0.2	46473.8
As 188.980	1000.00	ppb	8.566	1.8	472.407
B 249.678	1000.00	ppb	112.991	0.8	13671.9
Ba 389.178	10000.0	ppb	749.636	0.3	232342
Be 313.042	1000.00	ppb	6849.961	0.4	1898665
Ca 370.602	10000	ppb	121.483	0.4	32138
Cd 226.502	1000.00	ppb	193.767	0.5	41496.4
Co 228.615	1000.00	ppb	53.872	0.4	13522.3
Cr 267.716	10000.0	ppb	2206.102	0.4	528303
Cu 324.754	10000.0	ppb	1874.014	0.4	472073
Fe 271.441	10000.0	ppb	81.087	0.4	18763.1
K 766.491	20000.0	ppb	1690.130	0.2	771163
Mg 279.078	10000.0	ppb	91.168	0.4	23340.6
Mn 257.610	10000.0	ppb	5638.704	0.2	2673423
Mo 202.032	1000.00	ppb	28.004	0.3	8191.79
Na 330.237	15000.0	ppb	4.477	0.5	887.053
Ni 231.604	5000.00	ppb	64.571	0.4	15509.4
Pb 220.353	1000.00	ppb	14.121	0.7	2110.86
Sb 206.834	2000.00	ppb	13.466	0.5	2472.63
Se 196.026	10000.0	ppb	15.707	0.3	5542.79
Sn 189.925	10000.0	ppb	77.955	0.8	10135.6
Sr 216.596	5000.00	ppb	261.178	0.4	64329.1
Ti 334.941	1000.00	ppb	1090.181	0.4	307277
Tl 190.794	10000.0	ppb	41.598	0.4	11090.0
V 292.401	10000.0	ppb	1169.293	0.4	293043
Zn 206.200	5000.00	ppb	30.504	0.4	8150.49

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**Ag 328.068 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-21.0024	0.0000	0.0000	-	-
HIGH STD		80856.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 80.9 x + -21.0$ **Al 308.215 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		72.3114	0.0000	0.0000	-	-
HIGH STD		46473.8	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 4.6 x + 72.3$ **As 188.980 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.7275	0.0000	0.0000	-	-
HIGH STD		472.407	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 0.5 x + -6.7$ **B 249.678 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		147.116	0.0000	0.0000	-	-
HIGH STD		13671.9	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 13.5 x + 147.1$ **Ba 389.178 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.5404	0.0000	0.0000	-	-
HIGH STD		232342	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 23.2 x + 5.5$ **Be 313.042 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-377.028	0.0000	0.0000	-	-
HIGH STD		1898665	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 1899.0 x + -377.0$ **Ca 370.602 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.644	0.0000	0.0000	-	-
HIGH STD		32138	10000	10000	0.0010	0.0

Curve Type: Linear Equation:  $y = 3.2 x + 7.6$

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**Cd 226.502 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		37.2739	0.0000	0.0000	-	-
HIGH STD		41496.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 41.5 x + 37.3$ **Co 228.615 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.5017	0.0000	0.0000	-	-
HIGH STD		13522.3	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 13.5 x + 7.5$ **Cr 267.716 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.4780	0.0000	0.0000	-	-
HIGH STD		528303	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation:  $y = 52.8 x + 17.5$ **Cu 324.754 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		263.156	0.0000	0.0000	-	-
HIGH STD		472073	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 47.2 x + 263.2$ **Fe 271.441 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		107.745	0.0000	0.0000	-	-
HIGH STD		18763.1	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.9 x + 107.7$ **K 766.491 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		370.577	0.0000	0.0000	-	-
HIGH STD		771163	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 38.5 x + 370.6$ **Mg 279.078 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		39.1660	0.0000	0.0000	-	-
HIGH STD		23340.6	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 2.3 x + 39.2$

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**Mn 257.610 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		73.8366	0.0000	0.0000	-	-
HIGH STD		2673423	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 267.3 x + 73.8$ **Mo 202.032 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.8791	0.0000	0.0000	-	-
HIGH STD		8191.79	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation:  $y = 8.2 x + 16.9$ **Na 330.237 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		68.9618	0.0000	0.0000	-	-
HIGH STD		887.053	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 0.1 x + 69.0$ **Ni 231.604 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.8426	0.0000	0.0000	-	-
HIGH STD		15509.4	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation:  $y = 3.1 x + -5.8$ **Pb 220.353 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.6408	0.0000	0.0000	-	-
HIGH STD		2110.86	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 2.1 x + 31.6$ **Sb 206.834 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.6280	0.0000	0.0000	-	-
HIGH STD		2472.63	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.2 x + 3.6$ **Se 196.026 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.7626	0.0000	0.0000	-	-
HIGH STD		5542.79	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 0.6 x + 11.8$

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**Sn 189.925 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.4840	0.0000	0.0000	-	-
HIGH STD		10135.6	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.0 x + -12.5$ **Sr 216.596 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.2916	0.0000	0.0000	-	-
HIGH STD		64329.1	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation:  $y = 12.9 x + 20.3$ **Ti 334.941 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-41.7360	0.0000	0.0000	-	-
HIGH STD		307277	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation:  $y = 307.3 x + -41.7$ **Tl 190.794 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-15.6866	0.0000	0.0000	-	-
HIGH STD		11090.0	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 1.1 x + -15.7$ **V 292.401 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.6456	0.0000	0.0000	-	-
HIGH STD		293043	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation:  $y = 29.3 x + -8.6$ **Zn 206.200 Calibration (ppb) 5/7/2013, 3:04:20 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.9099	0.0000	0.0000	-	-
HIGH STD		8150.49	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.6 x + -0.9$ **Lab Control Sample (LCS) 5/7/2013, 3:09:44 PM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates	Concentration
Ag 328.068	991.044	1002.80 1005.08
Al 308.215	9991.16	10013.0 10035.2
As 188.980	1008.07	993.268 990.706
B 249.678	1014.00	1022.98 1021.08
Ba 389.178	9973.99	10008.8 10001.7



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Label	Replicates Concentration		
Be 313.042	998.000	1003.65	1001.96
Ca 370.602	9943	9970	9973
Cd 226.502	1001.35	1003.93	1002.46
Co 228.615	1000.83	1002.49	1000.33
Cr 267.716	9995.91	10020.5	9989.69
Cu 324.754	9862.00	9936.87	9974.76
Fe 271.441	10005.4	10027.2	10017.7
K 766.491	20025.7	19941.1	19889.4
Mg 279.078	9967.31	10013.9	9984.73
Mn 257.610	9998.16	10058.3	10037.1
Mo 202.032	1001.39	1004.53	1002.62
Na 330.237	14429.9	14792.3	14828.7
Ni 231.604	5015.79	5024.73	5012.37
Pb 220.353	997.709	1005.51	1003.18
Sb 206.834	2002.49	2006.20	1993.18
Se 196.026	10025.4	10046.5	10016.4
Sn 189.925	9946.04	10089.1	10017.2
Sr 216.596	5004.86	5012.65	4995.85
Ti 334.941	997.089	1001.36	999.972
Tl 190.794	10025.0	10007.3	10012.0
V 292.401	9994.89	10009.8	9997.06
Zn 206.200	4995.74	5021.88	5010.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	999.640	ppb	7.5307	0.8	80700.1	99.96400
Al 308.215	10013.1	ppb	22.0448	0.2	46497.8	100.13128
As 188.980	997.347	ppb	9.3711	0.9	470.915	99.73466
B 249.678	1019.35	ppb	4.7343	0.5	13920.0	20.38709*
Ba 389.178	9994.85	ppb	18.4164	0.2	232290	99.94849
Be 313.042	1001.20	ppb	2.9014	0.3	1900427	100.12037
Ca 370.602	9962	ppb	16.43	0.2	31752	99.62075
Cd 226.502	1002.58	ppb	1.2946	0.1	41641.0	100.25761
Co 228.615	1001.22	ppb	1.1261	0.1	13559.2	100.12173
Cr 267.716	10002.0	ppb	16.2935	0.2	528346	100.02031
Cu 324.754	9924.54	ppb	57.3788	0.6	468448	99.24543
Fe 271.441	10016.8	ppb	10.9076	0.1	19065.3	100.16772
K 766.491	19952.1	ppb	68.7823	0.3	769316	99.76030
Mg 279.078	9988.65	ppb	23.5370	0.2	23135.3	99.88647
Mn 257.610	10031.2	ppb	30.4989	0.3	2681885	100.31180
Mo 202.032	1002.84	ppb	1.5861	0.2	8193.23	100.28448
Na 330.237	14683.6	ppb	220.515	1.5	818.358	97.89088
Ni 231.604	5017.63	ppb	6.3802	0.1	15564.4	100.35255
Pb 220.353	1002.13	ppb	4.0054	0.4	2115.48	100.21346
Sb 206.834	2000.62	ppb	6.7102	0.3	2590.12	40.01245*
Se 196.026	10029.4	ppb	15.4959	0.2	5561.90	100.29426
Sn 189.925	10017.5	ppb	71.5506	0.7	10153.3	100.17470
Sr 216.596	5004.45	ppb	8.4043	0.2	64248.9	100.08907
Ti 334.941	999.474	ppb	2.1792	0.2	307165	99.94743
Tl 190.794	10014.8	ppb	9.1563	0.1	11095.1	100.14768
V 292.401	10000.6	ppb	8.0642	0.1	292211	100.00588
Zn 206.200	5009.46	ppb	13.1173	0.3	8135.10	100.18923

Initial Calib Verif (ICV)

5/7/2013, 3:15:08 PM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	993.110	999.965	970.641
Al 308.215	957.840	963.234	943.849

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Label	Replicates Concentration		
As 188.980	991.264	992.774	974.766
B 249.678	1004.01	1014.33	995.174
Ba 389.178	1044.50	1047.15	1028.36
Be 313.042	1055.40x	1060.19x	1042.02x
Ca 370.602	1015	1014	992.7
Cd 226.502	1060.11x	1061.66x	1042.71x
Co 228.615	1022.26	1026.17	1002.17
Cr 267.716	1038.51	1040.70	1021.42
Cu 324.754	1038.07	1046.62	1025.15
Fe 271.441	987.124	993.810	972.012
K 766.491	10186.6	10190.8	10004.6
Mg 279.078	1017.74	1024.42	1002.50
Mn 257.610	1082.11	1085.90	1066.01
Mo 202.032	1021.48x	1025.53x	1004.80x
Na 330.237	9637.58	9474.87	9347.79
Ni 231.604	1050.57	1055.37	1031.10
Pb 220.353	1028.09	1026.56	1003.67
Sb 206.834	1002.51	1006.56	985.842
Se 196.026	999.328	1003.79	972.171
Sn 189.925	5035.38	5052.14	4972.48
Sr 216.596	4992.48	5002.38	4908.42
Ti 334.941	991.956	997.169	978.827
Tl 190.794	1029.54	1041.38	1018.83
V 292.401	1010.75	1013.93	996.793
Zn 206.200	1050.30	1049.36	1034.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	987.905b	ppb	15.3392	1.6	79649.9	98.79050
Al 308.215	954.974b	ppb	10.0054	1.0	4597.73	95.49744
As 188.980	986.268b	ppb	9.9894	1.0	465.616	98.62680
B 249.678	1004.51b	ppb	9.5894	1.0	13731.4	100.45057
Ba 389.178	1040.00b	ppb	10.1689	1.0	24180.1	104.00038
Be 313.042	1052.54xb	ppb	9.4180	0.9	1998236	105.25360
Ca 370.602	1007b	ppb	12.56	1.2	3381	100.71780
Cd 226.502	1054.83xb	ppb	10.5229	1.0	43773.5	105.48275Q
Co 228.615	1016.87b	ppb	12.8779	1.3	13740.3	101.68665
Cr 267.716	1033.54b	ppb	10.5560	1.0	54604.0	103.35433
Cu 324.754	1036.61b	ppb	10.8128	1.0	49188.8	103.66117
Fe 271.441	984.315b	ppb	11.1669	1.1	2126.93	98.43154
K 766.491	10127.3b	ppb	106.315	1.0	390674	101.27327
Mg 279.078	1014.88b	ppb	11.2339	1.1	2384.80	101.48836
Mn 257.610	1078.00b	ppb	10.5624	1.0	288275	107.80046Q
Mo 202.032	1017.27xb	ppb	10.9873	1.1	8330.80	101.72710
Na 330.237	9486.75b	ppb	145.257	1.5	569.573	94.86745
Ni 231.604	1045.68b	ppb	12.8557	1.2	3238.98	104.56793
Pb 220.353	1019.44b	ppb	13.6819	1.3	2148.81	101.94398
Sb 206.834	998.305b	ppb	10.9816	1.1	1242.98	99.83047
Se 196.026	991.763b	ppb	17.1135	1.7	560.614	99.17632
Sn 189.925	5020.00b	ppb	41.9950	0.8	5081.84	100.39998
Sr 216.596	4967.76b	ppb	51.6305	1.0	63850.1	99.35519
Ti 334.941	989.318b	ppb	9.4515	1.0	303998	98.93176
Tl 190.794	1029.91b	ppb	11.2810	1.1	1126.95	102.99149
V 292.401	1007.16b	ppb	9.1164	0.9	29242.7	100.71588
Zn 206.200	1044.71b	ppb	8.8868	0.9	1699.07	104.47066

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Initial Calib Blank (ICB) 5/7/2013, 3:20:44 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0175u	-0.2289u	-0.2116u
Al 308.215	-2.2261u	-0.8858u	-1.5202u
As 188.980	5.4098	-0.1922u	0.9881
B 249.678	28.0124	24.3706	22.9765
Ba 389.178	-0.6242u	-0.3802u	0.3389
Be 313.042	-0.0055u	-0.0051u	-0.0005u
Ca 370.602	-5.537u	-2.302u	-5.766u
Cd 226.502	-0.0227u	-0.1182u	-0.0331u
Co 228.615	0.1780	0.7018	0.1758
Cr 267.716	-0.1294u	-0.2062u	-0.2609u
Cu 324.754	0.7726	-0.6502u	-0.1163u
Fe 271.441	-3.2880u	6.6256	-2.8885u
K 766.491	-2.2106u	-2.0591u	-1.7837u
Mg 279.078	-2.7195u	2.0630	-2.8625u
Mn 257.610	-0.1578u	-0.1543u	-0.0799u
Mo 202.032	0.1896	-0.0697u	0.3175
Na 330.237	-178.637u	-92.7194u	32.6730
Ni 231.604	0.0741	-0.6132u	-0.2568u
Pb 220.353	-0.7367u	0.4921	1.7821
Sb 206.834	0.9383	2.4343	3.1237
Se 196.026	-1.2424u	-0.4931u	2.8334
Sn 189.925	-0.1803u	-0.4752u	2.1174
Sr 216.596	-0.3647u	-0.3019u	-0.1638u
Ti 334.941	0.0938	0.0590	0.1721
Tl 190.794	0.8166	3.4628	2.2896
V 292.401	-0.5234u	0.2427	0.2673
Zn 206.200	0.1540	1.4229	0.7232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1527	ppb	0.1174	76.9	-33.3397	-0.15267
Al 308.215	-1.5440	ppb	0.6705	43.4	65.1535	-1.54402
As 188.980	2.0686	ppb	2.9532	142.8	-5.7364	2.06860
B 249.678	25.1198	ppb	2.6002	10.4	486.856	25.11982
Ba 389.178	-0.2218	ppb	0.5007	225.7	0.3822	-0.22181
Be 313.042	-0.0037	ppb	0.0028	74.8	-384.095	-0.00372
Ca 370.602	-4.535	ppb	1.937	42.7	-6.847	-4.53508
Cd 226.502	-0.0580	ppb	0.0524	90.3	34.8667	-0.05800
Co 228.615	0.3519	ppb	0.3030	86.1	12.2566	0.35187
Cr 267.716	-0.1988	ppb	0.0661	33.2	6.9734	-0.19882
Cu 324.754	0.0020	ppb	0.7187	35082.1	263.254	0.00205
Fe 271.441	0.1497	ppb	5.6119	3748.6	108.082	0.14970
K 766.491	-2.0178	ppb	0.2164	10.7	292.811	-2.01782
Mg 279.078	-1.1730	ppb	2.8034	239.0	36.4348	-1.17304
Mn 257.610	-0.1307	ppb	0.0440	33.7	38.8842	-0.13068
Mo 202.032	0.1458	ppb	0.1973	135.3	18.0709	0.14579
Na 330.237	-79.5611	ppb	106.268	133.6	64.6160	-79.56110
Ni 231.604	-0.2653	ppb	0.3437	129.6	-6.6659	-0.26532
Pb 220.353	0.5125	ppb	1.2595	245.8	32.7061	0.51251
Sb 206.834	2.1654	ppb	1.1172	51.6	6.2977	2.16544
Se 196.026	0.3660	ppb	2.1695	592.8	11.9649	0.36598
Sn 189.925	0.4873	ppb	1.4194	291.3	-11.9895	0.48731
Sr 216.596	-0.2768	ppb	0.1028	37.1	16.7257	-0.27681
Ti 334.941	0.1083	ppb	0.0579	53.5	-8.4545	0.10830
Tl 190.794	2.1896	ppb	1.3259	60.6	-13.2545	2.18964
V 292.401	-0.0045	ppb	0.4496	10047.4	-8.7743	-0.00447
Zn 206.200	0.7667	ppb	0.6356	82.9	0.3406	0.76672

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**CRI (CRI)** **5/7/2013, 3:26:09 PM** **Rack S, Tube 4****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.9639	9.7800	9.6228
Al 308.215	198.057	198.093	192.682
As 188.980	21.5285	25.0982	28.0642
B 249.678	107.053	106.460	105.842
Ba 389.178	9.9837	9.8889	10.0244
Be 313.042	4.1937	4.1913	4.1735
Ca 370.602	491.3	491.9	484.6
Cd 226.502	5.2820	5.0854	5.1628
Co 228.615	10.8147	11.0447	10.7301
Cr 267.716	10.4076	10.4456	9.8894
Cu 324.754	20.6129	20.8991	20.5148
Fe 271.441	45.1453	40.8078	45.1426
K 766.491	998.596	1002.34	992.043
Mg 279.078	502.947	503.379	497.863
Mn 257.610	10.9203	10.8977	10.8136
Mo 202.032	9.6127	9.8352	9.9634
Na 330.237	914.536	804.721	773.550
Ni 231.604	42.3626	41.5430	40.2332
Pb 220.353	9.9495	10.9220	9.9897
Sb 206.834	21.0881	16.6845	18.0212
Se 196.026	19.6102	18.0729	16.1328
Sn 189.925	50.5394	50.4710	53.2708
Sr 216.596	9.9045	10.3412	9.8577
Ti 334.941	9.9258	9.9435	9.8311
Tl 190.794	24.8911	23.6431	25.4285
V 292.401	9.8734	10.0695	9.9960
Zn 206.200	21.6532	23.0901	20.7206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.7889	ppb	0.1707	1.7	770.345	97.88890
Al 308.215	196.278	ppb	3.1136	1.6	983.952	98.13876
As 188.980	24.8969	ppb	3.2725	13.1	5.2024	124.48472R
B 249.678	106.452	ppb	0.6055	0.6	1586.79	106.45152
Ba 389.178	9.9657	ppb	0.0695	0.7	238.531	99.65702
Be 313.042	4.1862	ppb	0.0110	0.3	7570.89	104.65492
Ca 370.602	489.3	ppb	4.055	0.8	1578	97.85833
Cd 226.502	5.1768	ppb	0.0990	1.9	252.069	103.53510
Co 228.615	10.8632	ppb	0.1628	1.5	154.236	108.63171
Cr 267.716	10.2475	ppb	0.3107	3.0	558.783	102.47548
Cu 324.754	20.6756	ppb	0.1997	1.0	1238.82	103.37794
Fe 271.441	43.6986	ppb	2.5034	5.7	191.211	87.39716
K 766.491	997.661	ppb	5.2135	0.5	38820.1	99.76610
Mg 279.078	501.397	ppb	3.0676	0.6	1207.25	100.27934
Mn 257.610	10.8772	ppb	0.0562	0.5	2986.58	108.77230
Mo 202.032	9.8038	ppb	0.1774	1.8	97.0004	98.03768
Na 330.237	830.935	ppb	74.0584	8.9	114.011	83.09354
Ni 231.604	41.3796	ppb	1.0741	2.6	122.562	103.44899
Pb 220.353	10.2871	ppb	0.5502	5.3	53.0102	102.87090
Sb 206.834	18.5979	ppb	2.2577	12.1	26.6046	92.98951
Se 196.026	17.9386	ppb	1.7426	9.7	21.6878	89.69308
Sn 189.925	51.4271	ppb	1.5971	3.1	39.7051	102.85416
Sr 216.596	10.0345	ppb	0.2667	2.7	148.193	100.34451
Ti 334.941	9.9001	ppb	0.0605	0.6	3003.19	99.00133
Tl 190.794	24.6542	ppb	0.9160	3.7	11.6804	98.61696
V 292.401	9.9796	ppb	0.0990	1.0	281.294	99.79625
Zn 206.200	21.8213	ppb	1.1937	5.5	24.6372	109.10641

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Interf Check A (ICSA)

5/7/2013, 3:31:35 PM

Rack S, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9228u	-0.4782u	-0.6560u
Al 308.215	519131	521158	522867
As 188.980	-2.7432	-3.8811u	-6.1012u
B 249.678	-1.5394u	-2.0423u	-2.9904u
Ba 389.178	2.5481	1.1633	1.0735
Be 313.042	-0.1554u	-0.1505u	-0.1631u
Ca 370.602	480079	482192	482164
Cd 226.502	1.4380	1.2551	1.4198
Co 228.615	1.2988	1.4390	1.3234
Cr 267.716	0.2971	0.5884	0.1597
Cu 324.754	-5.0820u	-6.6264u	-6.4700u
Fe 271.441	185659	185734	185961
K 766.491	6.4301	6.5784	6.4645
Mg 279.078	515979	516798	518441
Mn 257.610	0.7923	0.8917	0.8785
Mo 202.032	1.3837	1.3570	2.2523
Na 330.237	-115.573u	105.741u	201.610u
Ni 231.604	5.7376	3.0455	5.1357
Pb 220.353	4.5931	0.1736	-1.1448
Sb 206.834	7.5031	7.1121	1.7710
Se 196.026	-18.8465u	-5.1261u	4.7931
Sn 189.925	1.9463	7.2569	4.2268
Sr 216.596	8.8740	7.3779	7.6902
Ti 334.941	1.9123	1.8664	1.8929
Tl 190.794	-3.2856u	-8.1850u	-8.2200u
V 292.401	0.9026	1.4794	1.0992
Zn 206.200	13.4790	11.1593	11.9459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6856	ppb	0.2238	32.6	-84.4091	-0.68565
Al 308.215	521052	ppb	1870.47	0.4	2417830	-
As 188.980	-4.2418	ppb	1.7078	40.3	-7.0842	-4.24184
B 249.678	-2.1907	ppb	0.7368	33.6	-132.529	-2.19068
Ba 389.178	1.5950	ppb	0.8267	51.8	1666.99	1.59498
Be 313.042	-0.1563	ppb	0.0064	4.1	-479.813	-0.15633
Ca 370.602	481478	ppb	1212	0.3	1531770	-
Cd 226.502	1.3710	ppb	0.1007	7.3	791.897	1.37096
Co 228.615	1.3537	ppb	0.0749	5.5	18.6687	1.35372
Cr 267.716	0.3484	ppb	0.2189	62.8	89.6472	0.34840
Cu 324.754	-6.0595	ppb	0.8501	14.0	29.0766	-6.05949
Fe 271.441	185785	ppb	157.283	0.1	346696	-
K 766.491	6.4910	ppb	0.0777	1.2	620.737	6.49098
Mg 279.078	517073	ppb	1253.80	0.2	1204763	-
Mn 257.610	0.8542	ppb	0.0540	6.3	5789.37	0.85418
Mo 202.032	1.6643	ppb	0.5094	30.6	20.0075	1.66433
Na 330.237	63.9259	ppb	162.674	254.5	3.2712	63.92594
Ni 231.604	4.6396	ppb	1.4129	30.5	13.3231	4.63959
Pb 220.353	1.2073	ppb	3.0054	248.9	45.7992	1.20729
Sb 206.834	5.4620	ppb	3.2025	58.6	15.5720	5.46205
Se 196.026	-6.3932	ppb	11.8706	185.7	9.4472	-6.39319
Sn 189.925	4.4767	ppb	2.6641	59.5	-7.7009	4.47665
Sr 216.596	7.9807	ppb	0.7892	9.9	295.316	7.98067
Ti 334.941	1.8906	ppb	0.0231	1.2	3161.71	1.89057
Tl 190.794	-6.5635	ppb	2.8388	43.3	-33.5793	-6.56353
V 292.401	1.1604	ppb	0.2932	25.3	28.1438	1.16039
Zn 206.200	12.1947	ppb	1.1797	9.7	29.8535	12.19473

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**Interf Check AB (ICSAB) 5/7/2013, 3:37:01 PM Rack S, Tube 6**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	221.115	218.887	219.491
Al 308.215	536407	533530	535643
As 188.980	111.323	114.274	109.939
B 249.678	-7.5187u	-6.5057u	-7.2759u
Ba 389.178	527.683	526.347	527.203
Be 313.042	512.046	510.801	509.954
Ca 370.602	494474	488245	491002
Cd 226.502	1007.39	1008.13	1009.33
Co 228.615	503.539	506.895	501.308
Cr 267.716	516.273	515.826	515.864
Cu 324.754	570.814	558.578	561.981
Fe 271.441	190863	190498	190714
K 766.491	-1.1985u	-0.8248u	-1.9170u
Mg 279.078	529989	530542	531125
Mn 257.610	534.282	534.581	534.537
Mo 202.032	1093.20	1090.45	1095.17
Na 330.237	-329.498u	-208.664u	-195.277u
Ni 231.604	994.150	991.648	997.007
Pb 220.353	53.0702	48.4281	48.8360
Sb 206.834	639.965	635.442	643.691
Se 196.026	56.3757	37.2595	49.4525
Sn 189.925	1019.15	1030.74	1028.27
Sr 216.596	9.1673	8.7339	9.1541
Ti 334.941	1.8849	1.8780	1.9242
Tl 190.794	96.2881	92.7200	93.0719
V 292.401	501.717	501.966	501.185
Zn 206.200	996.350	997.560	1003.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	219.831	ppb	1.1522	0.5	17756.4	109.91569
Al 308.215	535194	ppb	1490.23	0.3	2483560	107.03873
As 188.980	111.845	ppb	2.2144	2.0	48.3423	111.84528
B 249.678	-7.1001	ppb	0.5289	7.4	-205.637	-
Ba 389.178	527.077	ppb	0.6768	0.1	13923.1	105.41547
Be 313.042	510.934	ppb	1.0522	0.2	969918	102.18675
Ca 370.602	491240	ppb	3121	0.6	1562746	98.24803
Cd 226.502	1008.28	ppb	0.9791	0.1	42556.3	100.82808
Co 228.615	503.914	ppb	2.8124	0.6	6768.72	100.78282
Cr 267.716	515.988	ppb	0.2478	0.0	27318.2	103.19756
Cu 324.754	563.791	ppb	6.3159	1.1	26940.3	112.75820
Fe 271.441	190692	ppb	183.549	0.1	355941	95.34589
K 766.491	-1.3134	ppb	0.5551	42.3	319.958	-
Mg 279.078	530552	ppb	568.068	0.1	1236158	106.11034
Mn 257.610	534.467	ppb	0.1614	0.0	148579	106.89337
Mo 202.032	1092.94	ppb	2.3688	0.2	8939.79	109.29433
Na 330.237	-244.480	ppb	73.9313	30.2	-23.2027	-
Ni 231.604	994.268	ppb	2.6813	0.3	3084.32	99.42683
Pb 220.353	50.1114	ppb	2.5705	5.1	145.904	100.22289
Sb 206.834	639.700	ppb	4.1308	0.6	791.793	106.61658
Se 196.026	47.6959	ppb	9.6784	20.3	39.5442	95.39182
Sn 189.925	1026.05	ppb	6.1032	0.6	1029.01	102.60531
Sr 216.596	9.0184	ppb	0.2465	2.7	245.692	-
Ti 334.941	1.8957	ppb	0.0249	1.3	3227.96	-
Tl 190.794	94.0267	ppb	1.9664	2.1	77.0207	94.02667
V 292.401	501.623	ppb	0.3992	0.1	14432.0	100.32451
Zn 206.200	999.295	ppb	4.0993	0.4	1648.02	99.92955

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

LRA1 (Samp) 5/7/2013, 3:47:28 PM Rack S, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1153	-0.0058	-0.3007
Al 308.215	43.6689	51.6888	67.8462
As 188.980	21645.8x	21869.8x	21753.3x
B 249.678	5331.94x	5374.24x	5378.65x
Ba 389.178	-1.6704u	-2.3733u	-2.2950u
Be 313.042	0.1104	0.1061	0.1209
Ca 370.602	950.8	970.8	971.0
Cd 226.502	-0.6109u	-0.4832u	-0.5235u
Co 228.615	10974.7	10963.1	10954.7
Cr 267.716	-2.1706	-2.0813	-2.2305
Cu 324.754	-8.4250u	-8.7472u	-8.1208u
Fe 271.441	-66.7834	-70.9601	-64.8683
K 766.491	-2.4646u	-1.9769u	-1.7502u
Mg 279.078	43.6406u	46.8940u	63.8168u
Mn 257.610	29829.6x	29769.3x	29791.6x
Mo 202.032	0.4837	-0.2094u	0.5730
Na 330.237	101672x	101484x	101429x
Ni 231.604	11053.4x	11096.6x	11049.4x
Pb 220.353	21182.9x	21255.0x	21171.8x
Sb 206.834	8.0308	2.9937	1.9782
Se 196.026	3.9274	9.4291	1.2647
Sn 189.925	1.8253	-2.3868u	-1.3286u
Sr 216.596	-4.4716u	-4.6281u	-4.6782u
Ti 334.941	27918.9	28074.6	28034.3
Tl 190.794	87.6849	89.2581	90.1126
V 292.401	-5.2044	-5.5667	-4.8537
Zn 206.200	3.3824	3.7237	2.8119

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1406b	ppb	0.1490	106.0	116.313
Al 308.215	54.4013b	ppb	12.3148	22.6	324.605
As 188.980	21756.3xb	ppb	112.048	0.5	10417.5
B 249.678	5361.61xb	ppb	25.7883	0.5	72660.5
Ba 389.178	-2.1129b	ppb	0.3852	18.2	-42.8258
Be 313.042	0.1125b	ppb	0.0076	6.8	-193.534
Ca 370.602	964.2b	ppb	11.64	1.2	9128
Cd 226.502	-0.5392b	ppb	0.0653	12.1	17.7517
Co 228.615	10964.2b	ppb	10.0762	0.1	149040
Cr 267.716	-2.1608b	ppb	0.0751	3.5	106.393
Cu 324.754	-8.4310b	ppb	0.3133	3.7	-134.660
Fe 271.441	-67.5373b	ppb	3.1151	4.6	1841.33
K 766.491	-2.0639b	ppb	0.3651	17.7	291.035
Mg 279.078	51.4505b	ppb	10.8324	21.1	-368.478
Mn 257.610	29796.8xb	ppb	30.4516	0.1	7965810
Mo 202.032	0.2824b	ppb	0.4282	151.6	19.1164
Na 330.237	101528xb	ppb	127.521	0.1	5374.67
Ni 231.604	11066.5xb	ppb	26.1837	0.2	34334.0
Pb 220.353	21203.2xb	ppb	45.2056	0.2	44102.3
Sb 206.834	4.3342b	ppb	3.2413	74.8	9.0108
Se 196.026	4.8737b	ppb	4.1637	85.4	22.7040
Sn 189.925	-0.6300b	ppb	2.1912	347.8	-13.0811
Sr 216.596	-4.5926b	ppb	0.1078	2.3	-262.261
Ti 334.941	28009.3b	ppb	80.8468	0.3	8607717
Tl 190.794	89.0185b	ppb	1.2314	1.4	41.1002
V 292.401	-5.2082b	ppb	0.3565	6.8	311.417
Zn 206.200	3.3060b	ppb	0.4607	13.9	4.5669

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**LRA2 (Samp)** **5/7/2013, 3:52:55 PM** **Rack S, Tube 8****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0581u	-0.6637u	-1.1279u
Al 308.215	857105	854958	855436
As 188.980	97.3868	105.989	106.385
B 249.678	105.402	90.8649	79.5448u
Ba 389.178	12.8311	11.0718	11.3941
Be 313.042	-0.1201	-0.1105	-0.1206
Ca 370.602	762257	760946	759758
Cd 226.502	7.1199	6.2861	6.5084
Co 228.615	10.0830	8.8729	9.7165
Cr 267.716	8.0522	8.2149	8.1205
Cu 324.754	-42.0999u	-42.1394u	-42.5907u
Fe 271.441	911409	911321	907436
K 766.491	420784x	420397x	419672x
Mg 279.078	820392	821434	817433
Mn 257.610	8.4634	8.2611	8.4183
Mo 202.032	4.4438u	3.6753u	5.3042u
Na 330.237	-1353.34u	-1240.61u	-1237.40u
Ni 231.604	8.4573	10.2277	9.8563
Pb 220.353	32.3043	31.9364	29.4121
Sb 206.834	10.4510	8.0200	8.8552
Se 196.026	-28.9085u	-8.3595	-26.9901u
Sn 189.925	7.0249	4.6997	7.1309
Sr 216.596	44.5316	41.9521	42.3500
Ti 334.941	5.7662	5.6262	5.5165
Tl 190.794	-37.1175u	-26.6037u	-31.4366u
V 292.401	5.1168	5.2714	5.7886
Zn 206.200	27678.8	27621.7	27504.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5778b	ppb	0.5977	103.4	-84.3729
Al 308.215	855833b	ppb	1127.73	0.1	3971262
As 188.980	103.254b	ppb	5.0847	4.9	40.4690
B 249.678	91.9371b	ppb	12.9618	14.1	167.359
Ba 389.178	11.7657b	ppb	0.9366	8.0	3722.14
Be 313.042	-0.1171b	ppb	0.0057	4.9	-324.383
Ca 370.602	760987b	ppb	1250	0.2	2370508
Cd 226.502	6.6381b	ppb	0.4318	6.5	3705.13
Co 228.615	9.5575b	ppb	0.6206	6.5	101.353
Cr 267.716	8.1292b	ppb	0.0817	1.0	691.144
Cu 324.754	-42.2767b	ppb	0.2727	0.6	-1477.90
Fe 271.441	910055b	ppb	2268.86	0.2	1697851
K 766.491	420284xb	ppb	564.260	0.1	16197975
Mg 279.078	819753b	ppb	2075.25	0.3	1910090
Mn 257.610	8.3809b	ppb	0.1062	1.3	12939.1
Mo 202.032	4.4744b	ppb	0.8149	18.2	2.1579
Na 330.237	-1277.11b	ppb	66.0308	5.2	-556.681
Ni 231.604	9.5138b	ppb	0.9336	9.8	46.3241
Pb 220.353	31.2176b	ppb	1.5744	5.0	115.515
Sb 206.834	9.1087b	ppb	1.2352	13.6	40.4878
Se 196.026	-21.4193b	ppb	11.3508	53.0	5.8769
Sn 189.925	6.2852b	ppb	1.3741	21.9	-5.7514
Sr 216.596	42.9446b	ppb	1.3888	3.2	1222.46
Ti 334.941	5.6363b	ppb	0.1252	2.2	5917.10
Tl 190.794	-31.7193b	ppb	5.2626	16.6	-102.737
V 292.401	5.3923b	ppb	0.3518	6.5	153.454
Zn 206.200	27601.6b	ppb	89.0420	0.3	45099.6



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

RINSE (Samp) 5/7/2013, 3:58:21 PM Rack S, Tube 1

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2366u	0.0853	0.1556
Al 308.215	-2.9004u	4.6826	3.4122
As 188.980	33.3791	47.9016	31.6842
B 249.678	43.7775	43.0931	34.5568
Ba 389.178	-0.2113u	-0.7280u	-0.3325u
Be 313.042	-0.0043u	-0.0059u	0.0239
Ca 370.602	1.097	7.112	6.242
Cd 226.502	-0.3056u	-0.2097u	-0.2584u
Co 228.615	0.5887	-0.1342u	-0.3068u
Cr 267.716	-0.1484u	-0.1979u	-0.1241u
Cu 324.754	-0.4240u	-0.3599u	-0.9745u
Fe 271.441	-0.0351u	14.3650	7.9159
K 766.491	0.4890	3.2514	4.5450
Mg 279.078	-0.6060u	1.3652	7.5157
Mn 257.610	-0.0933u	-0.0713u	-0.0988u
Mo 202.032	-0.3616u	0.0319	0.0313
Na 330.237	-355.612u	-76.5413u	-293.390u
Ni 231.604	0.1489	-0.4588u	0.6813
Pb 220.353	1.0923	1.2364	-1.3481u
Sb 206.834	-0.3284u	2.8301	2.8043
Se 196.026	-4.6792u	3.2987	-6.3788u
Sn 189.925	2.2563	0.5030	2.1058
Sr 216.596	0.0547	0.0515	-0.5439u
Ti 334.941	0.6970	0.7418	0.6901
Tl 190.794	2.0880	0.7290	0.9774
V 292.401	-0.0546u	0.1093	-0.2264u
Zn 206.200	0.7288	0.3904	1.2077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0014	ppb	0.2091	14555.6	-20.8855
Al 308.215	1.7315	ppb	4.0613	234.6	80.3241
As 188.980	37.6550	ppb	8.9142	23.7	11.3143
B 249.678	40.4758	ppb	5.1374	12.7	694.530
Ba 389.178	-0.4239	ppb	0.2703	63.8	-4.2905
Be 313.042	0.0046	ppb	0.0168	367.0	-368.273
Ca 370.602	4.817	ppb	3.251	67.5	22.56
Cd 226.502	-0.2579	ppb	0.0480	18.6	26.6137
Co 228.615	0.0492	ppb	0.4751	964.8	8.1947
Cr 267.716	-0.1568	ppb	0.0376	24.0	9.1951
Cu 324.754	-0.5861	ppb	0.3379	57.6	235.500
Fe 271.441	7.4153	ppb	7.2131	97.3	121.587
K 766.491	2.7618	ppb	2.0718	75.0	477.016
Mg 279.078	2.7583	ppb	4.2363	153.6	45.5962
Mn 257.610	-0.0878	ppb	0.0146	16.6	50.4171
Mo 202.032	-0.0995	ppb	0.2270	228.2	16.0655
Na 330.237	-241.848	ppb	146.501	60.6	55.7569
Ni 231.604	0.1238	ppb	0.5705	460.8	-5.4582
Pb 220.353	0.3269	ppb	1.4524	444.3	32.3204
Sb 206.834	1.7687	ppb	1.8162	102.7	5.8145
Se 196.026	-2.5864	ppb	5.1671	199.8	10.3320
Sn 189.925	1.6217	ppb	0.9717	59.9	-10.8384
Sr 216.596	-0.1459	ppb	0.3447	236.2	18.4310
Ti 334.941	0.7096	ppb	0.0281	4.0	176.386
Tl 190.794	1.2648	ppb	0.7236	57.2	-14.2822
V 292.401	-0.0572	ppb	0.1679	293.4	-10.2539
Zn 206.200	0.7756	ppb	0.4106	52.9	0.3560

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/7/2013, 4:03:44 PM Rack 1, Tube 1  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	486.881	488.516	486.031
Al 308.215	4827.03	4842.04	4882.16
As 188.980	522.936	513.531	511.268
B 249.678	515.945	518.600	519.383
Ba 389.178	5069.59	5056.09	5071.19
Be 313.042	504.747	505.490	509.215
Ca 370.602	4954	4966	4998
Cd 226.502	511.902	513.133	512.729
Co 228.615	515.191	517.282	517.129
Cr 267.716	5088.34	5085.38	5092.45
Cu 324.754	4954.31	5025.37	5034.52
Fe 271.441	4888.75	4873.22	4896.44
K 766.491	10039.2	10024.0	10021.0
Mg 279.078	4889.37	4885.42	4906.80
Mn 257.610	5191.83	5190.71	5202.99
Mo 202.032	496.810	496.997	498.990
Na 330.237	7153.39	7146.25	7049.75
Ni 231.604	2576.13	2577.04	2576.82
Pb 220.353	489.777	488.581	490.877
Sb 206.834	959.862	964.688	967.053
Se 196.026	4881.96	4907.54	4914.32
Sn 189.925	4988.02	5031.42	5001.30
Sr 216.596	2488.11	2495.09	2496.56
Ti 334.941	490.355	488.966	489.416
Tl 190.794	4984.83	4964.85	4975.29
V 292.401	4906.09	4901.42	4904.48
Zn 206.200	2563.41	2567.77	2585.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.143	ppb	1.2627	0.3	39314.5	97.42852
Al 308.215	4850.41	ppb	28.5007	0.6	22561.5	97.00824
As 188.980	515.912	ppb	6.1878	1.2	240.355	103.18236
B 249.678	517.976	ppb	1.8019	0.3	7145.97	20.71904Q
Ba 389.178	5065.62	ppb	8.2976	0.2	117732	101.31249
Be 313.042	506.484	ppb	2.3940	0.5	961199	101.29677
Ca 370.602	4973	ppb	22.34	0.4	15865	99.45563
Cd 226.502	512.588	ppb	0.6278	0.1	21307.2	102.51759
Co 228.615	516.534	ppb	1.1655	0.2	6998.77	103.30680
Cr 267.716	5088.72	ppb	3.5474	0.1	268817	101.77445
Cu 324.754	5004.73	ppb	43.9054	0.9	236360	100.09467
Fe 271.441	4886.14	ppb	11.8318	0.2	9360.57	97.72272
K 766.491	10028.1	ppb	9.7554	0.1	386849	100.28082
Mg 279.078	4893.86	ppb	11.3762	0.2	11350.0	97.87729
Mn 257.610	5195.18	ppb	6.7930	0.1	1388988	103.90354
Mo 202.032	497.599	ppb	1.2084	0.2	4074.01	99.51984
Na 330.237	7116.46	ppb	57.8841	0.8	430.960	94.88615
Ni 231.604	2576.66	ppb	0.4764	0.0	7989.80	103.06638
Pb 220.353	489.745	ppb	1.1482	0.2	1050.07	97.94901
Sb 206.834	963.868	ppb	3.6651	0.4	1253.07	96.38680
Se 196.026	4901.27	ppb	17.0614	0.3	2724.14	98.02546
Sn 189.925	5006.92	ppb	22.2388	0.4	5068.57	100.13833
Sr 216.596	2493.25	ppb	4.5152	0.2	32017.9	99.73018
Ti 334.941	489.579	ppb	0.7085	0.1	150439	97.91576
Tl 190.794	4974.99	ppb	9.9936	0.2	5503.40	99.49975
V 292.401	4904.00	ppb	2.3685	0.0	143274	98.07993
Zn 206.200	2572.11	ppb	11.5050	0.4	4176.66	102.88460

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/7/2013, 4:16:26 PM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0269	-0.5315u	-0.1020u
Al 308.215	2.3811	4.0697	3.4326
As 188.980	11.3889	5.9693	11.7230
B 249.678	8.9026	9.1861	8.4651
Ba 389.178	-0.0916u	0.5054	-0.5137u
Be 313.042	0.0407	0.0262	0.0219
Ca 370.602	5.085	7.035	6.929
Cd 226.502	-0.3450u	-0.0851u	-0.1460u
Co 228.615	0.6754	0.0705	0.1790
Cr 267.716	0.3179	0.4175	0.1844
Cu 324.754	0.3392	0.7769	0.1932
Fe 271.441	5.1132	5.7564	0.5862
K 766.491	-0.6415u	0.0230	1.3017
Mg 279.078	1.8261	5.1653	2.3214
Mn 257.610	0.5203	2.0397	4.0142
Mo 202.032	-0.2279u	-0.0488u	0.2915
Na 330.237	-215.944u	44.1424	-184.439u
Ni 231.604	-0.9568u	0.8059	0.3234
Pb 220.353	0.3202	2.9165	-0.4838u
Sb 206.834	6.8828	0.8030	2.2520
Se 196.026	2.4147	4.6230	-2.1956u
Sn 189.925	-1.3381u	1.6983	0.2411
Sr 216.596	0.3299	0.5150	0.2528
Ti 334.941	0.1709	0.1758	0.1543
Tl 190.794	4.7266	-0.8683u	1.0955
V 292.401	0.3496	0.2007	0.4626
Zn 206.200	0.9497	-0.7187u	1.6240

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2022	ppb	0.2923	144.6	-37.3578	-0.20219
Al 308.215	3.2945	ppb	0.8527	25.9	87.5779	3.29451
As 188.980	9.6937	ppb	3.2298	33.3	-2.0828	9.69373
B 249.678	8.8513	ppb	0.3632	4.1	266.822	8.85129
Ba 389.178	-0.0333	ppb	0.5120	1537.3	4.7796	-0.03331
Be 313.042	0.0296	ppb	0.0099	33.3	-320.784	0.02961
Ca 370.602	6.349	ppb	1.096	17.3	27.85	6.34946
Cd 226.502	-0.1920	ppb	0.1359	70.8	29.3275	-0.19200
Co 228.615	0.3083	ppb	0.3225	104.6	11.6796	0.30826
Cr 267.716	0.3066	ppb	0.1169	38.1	33.6835	0.30660
Cu 324.754	0.4364	ppb	0.3037	69.6	283.742	0.43643
Fe 271.441	3.8186	ppb	2.8177	73.8	114.923	3.81861
K 766.491	0.2277	ppb	0.9876	433.7	379.353	0.22772
Mg 279.078	3.1043	ppb	1.8020	58.1	46.3593	3.10427
Mn 257.610	2.1914	ppb	1.7519	79.9	659.712	2.19139
Mo 202.032	0.0049	ppb	0.2638	5333.5	16.9186	0.00495
Na 330.237	-118.747	ppb	141.943	119.5	62.4796	-118.74678
Ni 231.604	0.0575	ppb	0.9109	1584.1	-5.6641	0.05751
Pb 220.353	0.9176	ppb	1.7771	193.7	33.5495	0.91763
Sb 206.834	3.3126	ppb	3.1757	95.9	7.7240	3.31260
Se 196.026	1.6140	ppb	3.4791	215.6	12.6559	1.61403
Sn 189.925	0.2004	ppb	1.5186	757.8	-12.2807	0.20041
Sr 216.596	0.3659	ppb	0.1348	36.8	24.9995	0.36592
Ti 334.941	0.1670	ppb	0.0112	6.7	9.6142	0.16701
Tl 190.794	1.6513	ppb	2.8386	171.9	-13.8561	1.65128
V 292.401	0.3376	ppb	0.1314	38.9	1.2638	0.33764
Zn 206.200	0.6183	ppb	1.2060	195.0	0.0975	0.61834

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89828-b-7-a^20 (Samp) 5/7/2013, 4:22:32 PM Rack 1, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1026	0.2697	0.2307
Al 308.215	5.2152	7.3899	11.7438
As 188.980	10.4511	6.9275	16.3953
B 249.678	72.7780	71.9872	69.4327
Ba 389.178	-2.1287u	-1.9902u	-2.2352u
Be 313.042	-0.0026u	-0.0082u	-0.0020u
Ca 370.602	7058	6923	6715
Cd 226.502	-0.1484u	-0.1770u	-0.0737u
Co 228.615	0.2897	0.1150	0.0439
Cr 267.716	7.5699	7.5431	7.4567
Cu 324.754	-0.3846u	0.8021	-0.3192u
Fe 271.441	-6.5210u	-3.0088u	-4.1295u
K 766.491	753.572	740.391	717.245
Mg 279.078	777.736	767.363	746.677
Mn 257.610	17858.9	17552.3	17073.9
Mo 202.032	-0.2505u	-0.5120u	-0.1656u
Na 330.237	11862.3	11777.1	11642.9
Ni 231.604	-1.4692u	-1.5825u	-0.4394u
Pb 220.353	-2.2491	0.8595	0.0617
Sb 206.834	5.6133	5.7682	4.3211
Se 196.026	2.3404	4.4069	5.2451
Sn 189.925	0.9450	-0.4665u	-0.6206u
Sr 216.596	60.6265	58.5602	57.3241
Ti 334.941	0.0357	0.0900	0.0972
Tl 190.794	32.1603	28.0065	29.4792
V 292.401	-0.6293u	-0.7550u	-0.9902u
Zn 206.200	0.3601	1.7277	2.1579

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2010	ppb	0.0874	43.5	78.6597
Al 308.215	8.1163	ppb	3.3243	41.0	109.956
As 188.980	11.2579	ppb	4.7852	42.5	-1.2872
B 249.678	71.3993	ppb	1.7484	2.4	1112.78
Ba 389.178	-2.1180	ppb	0.1229	5.8	-42.0192
Be 313.042	-0.0043	ppb	0.0034	80.8	-388.978
Ca 370.602	6898	ppb	172.7	2.5	22667
Cd 226.502	-0.1330	ppb	0.0534	40.1	31.6753
Co 228.615	0.1496	ppb	0.1265	84.6	9.5705
Cr 267.716	7.5232	ppb	0.0591	0.8	498.348
Cu 324.754	0.0328	ppb	0.6671	2035.6	264.702
Fe 271.441	-4.5531	ppb	1.7940	39.4	99.2883
K 766.491	737.069	ppb	18.3897	2.5	28777.0
Mg 279.078	763.925	ppb	15.8120	2.1	1509.37
Mn 257.610	17495.0	ppb	395.627	2.3	4677111
Mo 202.032	-0.3094	ppb	0.1806	58.4	14.3520
Na 330.237	11760.8	ppb	110.585	0.9	710.377
Ni 231.604	-1.1637	ppb	0.6298	54.1	-9.4537
Pb 220.353	-0.4427	ppb	1.6145	364.7	35.4503
Sb 206.834	5.2342	ppb	0.7945	15.2	10.2043
Se 196.026	3.9975	ppb	1.4950	37.4	18.8123
Sn 189.925	-0.0473	ppb	0.8629	1822.9	-12.5234
Sr 216.596	58.8369	ppb	1.6685	2.8	777.901
Ti 334.941	0.0743	ppb	0.0336	45.2	-16.7730
Tl 190.794	29.8820	ppb	2.1060	7.0	-10.9870
V 292.401	-0.7915	ppb	0.1832	23.1	-32.4755
Zn 206.200	1.4152	ppb	0.9388	66.3	1.3676

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**mb 680-275723/1-a (Samp)**      **5/7/2013, 4:27:56 PM**      **Rack 1, Tube 4**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0981u	-0.1535u	-0.1417u
Al 308.215	0.2186	1.9445	-0.0442u
As 188.980	2.8138	-1.8181u	12.8106
B 249.678	5.5189	5.6968	5.6580
Ba 389.178	-0.5692u	-0.7553u	-0.3746u
Be 313.042	-0.0137u	-0.0013u	-0.0100u
Ca 370.602	-1.482u	-2.486u	1.113
Cd 226.502	-0.1727u	-0.1828u	0.0845
Co 228.615	0.0212	-0.1772u	0.2913
Cr 267.716	-0.1528u	-0.1201u	0.0273
Cu 324.754	-0.2119u	0.8046	0.4931
Fe 271.441	2.0323	2.9646	1.4137
K 766.491	0.4195	0.2198	0.4344
Mg 279.078	0.9513	-0.3165u	0.0239
Mn 257.610	1.0217	2.3586	2.3703
Mo 202.032	0.0202	-0.2398u	0.2717
Na 330.237	-99.0825u	-212.254u	-65.2483u
Ni 231.604	0.5155	0.4232	-0.8273u
Pb 220.353	0.8932	2.4825	0.4510
Sb 206.834	-1.2082u	0.2657	0.6132
Se 196.026	-5.7805u	-3.6384u	-3.2106u
Sn 189.925	-1.6501u	2.0404	1.0457
Sr 216.596	-0.1801u	0.0593	-0.3418u
Ti 334.941	0.0475	0.0660	0.0388
Tl 190.794	2.1999	0.3072	3.4962
V 292.401	0.1422	0.0787	-0.3805u
Zn 206.200	0.2789	-0.8078u	0.8174

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1311	ppb	0.0292	22.3	-31.5824
Al 308.215	0.7063	ppb	1.0804	153.0	75.5844
As 188.980	4.6021	ppb	7.4765	162.5	-4.5225
B 249.678	5.6246	ppb	0.0935	1.7	223.185
Ba 389.178	-0.5664	ppb	0.1904	33.6	-7.6165
Be 313.042	-0.0083	ppb	0.0064	76.6	-392.818
Ca 370.602	-0.9517	ppb	1.857	195.1	4.555
Cd 226.502	-0.0903	ppb	0.1515	167.7	33.5348
Co 228.615	0.0451	ppb	0.2352	521.6	8.1133
Cr 267.716	-0.0818	ppb	0.0959	117.2	13.1623
Cu 324.754	0.3619	ppb	0.5208	143.9	280.231
Fe 271.441	2.1369	ppb	0.7807	36.5	111.737
K 766.491	0.3579	ppb	0.1198	33.5	384.370
Mg 279.078	0.2196	ppb	0.6561	298.8	39.6431
Mn 257.610	1.9169	ppb	0.7752	40.4	586.285
Mo 202.032	0.0174	ppb	0.2558	1470.7	17.0213
Na 330.237	-125.528	ppb	76.9883	61.3	62.1140
Ni 231.604	0.0372	ppb	0.7501	2018.4	-5.7273
Pb 220.353	1.2756	ppb	1.0683	83.8	34.2936
Sb 206.834	-0.1098	ppb	0.9670	880.7	3.4925
Se 196.026	-4.2098	ppb	1.3770	32.7	9.4346
Sn 189.925	0.4787	ppb	1.9094	398.9	-11.9983
Sr 216.596	-0.1542	ppb	0.2018	130.9	18.3087
Ti 334.941	0.0508	ppb	0.0139	27.4	-26.1174
Tl 190.794	2.0011	ppb	1.6038	80.1	-13.4674
V 292.401	-0.0532	ppb	0.2852	536.2	-10.1869
Zn 206.200	0.0962	ppb	0.8278	860.8	0.7528

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

ics 680-275723/2-a (Samp)      5/7/2013, 4:38:26 PM      Rack 1, Tube 5  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	101.289	102.177	101.176
Al 308.215	9978.40	9939.55	9962.43
As 188.980	218.989	226.255	214.133
B 249.678	388.067	391.796	392.549
Ba 389.178	208.781	208.409	206.752
Be 313.042	105.182	104.835	104.879
Ca 370.602	9882	9853	9874
Cd 226.502	106.034	106.081	107.058
Co 228.615	105.645	105.521	105.444
Cr 267.716	208.920	209.011	208.846
Cu 324.754	210.386	210.907	211.880
Fe 271.441	9954.53	9936.76	9956.25
K 766.491	10546.3	10485.4	10444.3
Mg 279.078	10025.5	10015.0	10034.4
Mn 257.610	1083.98	1084.10	1083.66
Mo 202.032	204.826	205.275	203.937
Na 330.237	9699.39	9482.27	9570.06
Ni 231.604	210.078	210.875	210.407
Pb 220.353	100.175	101.811	101.863
Sb 206.834	101.823	97.8244	98.1262
Se 196.026	201.491	199.299	201.621
Sn 189.925	402.283	403.439	402.821
Sr 216.596	203.486	203.014	204.994
Ti 334.941	200.375	200.199	199.697
Tl 190.794	81.3628	81.2198	87.3489
V 292.401	204.127	204.074	203.791
Zn 206.200	213.618	216.381	217.446

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	101.547	ppb	0.5481	0.5	8188.59
Al 308.215	9960.13	ppb	19.5250	0.2	46307.7
As 188.980	219.792	ppb	6.1006	2.8	98.5266
B 249.678	390.804	ppb	2.4002	0.6	5419.29
Ba 389.178	207.981	ppb	1.0803	0.5	4879.59
Be 313.042	104.965	ppb	0.1889	0.2	198919
Ca 370.602	9870	ppb	15.28	0.2	30975
Cd 226.502	106.391	ppb	0.5778	0.5	4485.19
Co 228.615	105.537	ppb	0.1011	0.1	1431.97
Cr 267.716	208.926	ppb	0.0827	0.0	11059.9
Cu 324.754	211.058	ppb	0.7585	0.4	10227.2
Fe 271.441	9949.18	ppb	10.7874	0.1	18688.4
K 766.491	10492.0	ppb	51.3221	0.5	404727
Mg 279.078	10025.0	ppb	9.7361	0.1	23378.4
Mn 257.610	1083.91	ppb	0.2274	0.0	289968
Mo 202.032	204.679	ppb	0.6807	0.3	1689.12
Na 330.237	9583.91	ppb	109.222	1.1	584.616
Ni 231.604	210.453	ppb	0.4003	0.2	647.453
Pb 220.353	101.283	ppb	0.9596	0.9	242.226
Sb 206.834	99.2580	ppb	2.2268	2.2	126.663
Se 196.026	200.803	ppb	1.3048	0.6	123.192
Sn 189.925	402.848	ppb	0.5784	0.1	396.337
Sr 216.596	203.831	ppb	1.0343	0.5	2636.14
Ti 334.941	200.090	ppb	0.3517	0.2	61500.4
Tl 190.794	83.3105	ppb	3.4981	4.2	74.5803
V 292.401	203.997	ppb	0.1807	0.1	5916.50
Zn 206.200	215.815	ppb	1.9760	0.9	251.379

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

lb 680-274788/21-e (Samp) 5/7/2013, 4:44:02 PM Rack 1, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0918u	-0.0474u	-0.0692u
Al 308.215	1.1771	2.3677	4.1109
As 188.980	-2.0630u	1.8806	4.7298
B 249.678	31.5803	31.2890	31.4204
Ba 389.178	-0.4757u	0.0208	-0.3904u
Be 313.042	-0.0103u	-0.0048u	-0.0061u
Ca 370.602	199.7	201.7	196.4
Cd 226.502	0.0324	-0.0988u	-0.1237u
Co 228.615	-0.3799u	0.5178	0.3637
Cr 267.716	-0.0862u	0.0271	-0.0606u
Cu 324.754	0.2937	0.4329	0.1680
Fe 271.441	-3.3032u	-5.1773u	2.1029
K 766.491	54.8423	55.0268	54.4809
Mg 279.078	46.7872	47.5077	48.6041
Mn 257.610	-0.1247u	-0.0993u	-0.1054u
Mo 202.032	0.0255	0.3379	-0.3909u
Na 330.237	124093x	125947x	124492x
Ni 231.604	0.1833	0.5148	-0.5693u
Pb 220.353	0.3340	0.8873	-0.5494u
Sb 206.834	0.2627	-0.3661u	1.8312
Se 196.026	-0.6424u	1.6138	-0.4793u
Sn 189.925	3.7302	2.6168	0.5494
Sr 216.596	-0.0512u	0.1129	0.2140
Ti 334.941	-0.0542u	0.0566	0.0273u
Tl 190.794	0.9565	-0.3005u	1.2085
V 292.401	-0.2863u	-0.1085u	-0.1479u
Zn 206.200	2.5157	2.5844	2.5379

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0695b	ppb	0.0222	32.0	-26.6216
Al 308.215	2.5519b	ppb	1.4755	57.8	84.1356
As 188.980	1.5158b	ppb	3.4111	225.0	-5.9998
B 249.678	31.4299b	ppb	0.1459	0.5	572.199
Ba 389.178	-0.2818b	ppb	0.2655	94.2	-0.8833
Be 313.042	-0.0070b	ppb	0.0029	40.6	-404.903
Ca 370.602	199.3b	ppb	2.656	1.3	648.0
Cd 226.502	-0.0634b	ppb	0.0839	132.4	33.8650
Co 228.615	0.1672b	ppb	0.4800	287.1	9.7661
Cr 267.716	-0.0399b	ppb	0.0594	148.8	17.8226
Cu 324.754	0.2982b	ppb	0.1325	44.4	277.223
Fe 271.441	-2.1259b	ppb	3.7802	177.8	103.805
K 766.491	54.7833b	ppb	0.2777	0.5	2481.91
Mg 279.078	47.6330b	ppb	0.9149	1.9	150.158
Mn 257.610	-0.1098b	ppb	0.0133	12.1	44.1411
Mo 202.032	-0.0092b	ppb	0.3656	3983.2	16.8046
Na 330.237	124844xb	ppb	975.665	0.8	6877.86
Ni 231.604	0.0429b	ppb	0.5555	1294.3	-5.7095
Pb 220.353	0.2240b	ppb	0.7246	323.5	32.1069
Sb 206.834	0.5759b	ppb	1.1316	196.5	4.3421
Se 196.026	0.1640b	ppb	1.2582	767.0	11.8532
Sn 189.925	2.2988b	ppb	1.6141	70.2	-10.0968
Sr 216.596	0.0919b	ppb	0.1339	145.6	21.4897
Ti 334.941	0.0099b	ppb	0.0574	580.3	-49.1508
Tl 190.794	0.6215b	ppb	0.8084	130.1	-14.9961
V 292.401	-0.1809b	ppb	0.0934	51.6	-14.9658
Zn 206.200	2.5460b	ppb	0.0351	1.4	2.2406

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89781-a-2-k (Samp)**                      **5/7/2013, 4:49:28 PM**                      **Rack 1, Tube 7**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1123u	-0.3325u	-0.1452u
Al 308.215	14.8977	15.1337	13.5148
As 188.980	3.7111	-0.7727u	1.2772
B 249.678	45.9240	45.4413	46.1543
Ba 389.178	9.0612	9.8683	8.7318
Be 313.042	0.0133	0.0286	0.0186
Ca 370.602	1109	1109	1111
Cd 226.502	-0.0071u	0.1357	0.0089
Co 228.615	-0.0047u	0.0408	0.7419
Cr 267.716	0.1810	-0.0214	-0.1034u
Cu 324.754	0.0425	0.2459	0.4449
Fe 271.441	252.190	250.127	252.870
K 766.491	332.853	333.179	334.700
Mg 279.078	357.850	361.532	364.197
Mn 257.610	17.1967	17.2125	17.2483
Mo 202.032	-0.0527u	-0.1551u	-0.3706u
Na 330.237	125249x	126201x	125171x
Ni 231.604	0.5043	1.5824	1.0685
Pb 220.353	7.1325	5.2749	8.7203
Sb 206.834	4.1181	6.5161	3.6772
Se 196.026	0.5946	9.5681	2.7438
Sn 189.925	3.9937	-0.3494u	2.4306
Sr 216.596	4.0213	4.3836	4.2492
Ti 334.941	0.0310	0.0201u	0.0254u
Tl 190.794	-0.1632u	-1.5517u	-0.1332u
V 292.401	-0.1951u	-0.1212u	-0.1926u
Zn 206.200	40.9757	42.1419	42.3050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1967b	ppb	0.1188	60.4	-37.0353
Al 308.215	14.5154b	ppb	0.8746	6.0	139.656
As 188.980	1.4052b	ppb	2.2447	159.7	-6.0489
B 249.678	45.8399b	ppb	0.3638	0.8	766.752
Ba 389.178	9.2204b	ppb	0.5847	6.3	221.068
Be 313.042	0.0202b	ppb	0.0078	38.5	-353.059
Ca 370.602	1110b	ppb	1.535	0.1	3553
Cd 226.502	0.0458b	ppb	0.0782	170.8	39.3287
Co 228.615	0.2593b	ppb	0.4186	161.4	10.9995
Cr 267.716	0.0187b	ppb	0.1464	780.9	21.0813
Cu 324.754	0.2444b	ppb	0.2012	82.3	274.757
Fe 271.441	251.729b	ppb	1.4280	0.6	577.397
K 766.491	333.577b	ppb	0.9860	0.3	13226.5
Mg 279.078	361.193b	ppb	3.1869	0.9	880.538
Mn 257.610	17.2192b	ppb	0.0264	0.2	4680.55
Mo 202.032	-0.1928b	ppb	0.1623	84.2	15.2893
Na 330.237	125540xb	ppb	573.574	0.5	6915.43
Ni 231.604	1.0517b	ppb	0.5392	51.3	-2.5728
Pb 220.353	7.0426b	ppb	1.7245	24.5	46.2891
Sb 206.834	4.7705b	ppb	1.5277	32.0	9.5271
Se 196.026	4.3022b	ppb	4.6853	108.9	14.1485
Sn 189.925	2.0250b	ppb	2.1998	108.6	-10.3740
Sr 216.596	4.2181b	ppb	0.1832	4.3	74.8225
Ti 334.941	0.0255b	ppb	0.0054	21.3	-42.8288
Tl 190.794	-0.6160b	ppb	0.8104	131.6	-16.4130
V 292.401	-0.1696b	ppb	0.0420	24.7	-14.6560
Zn 206.200	41.8075b	ppb	0.7250	1.7	67.2760



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**680-89727-a-1-g (Samp)**                      **5/7/2013, 4:54:53 PM**                      **Rack 1, Tube 8**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3957u	-0.2697u	-0.3331u
Al 308.215	25.4175	25.6519	24.5385
As 188.980	2.8682	-6.2400u	1.6652
B 249.678	14.4315	13.7918	13.2878
Ba 389.178	13.7631	13.0266	13.4277
Be 313.042	-0.0047u	0.0017u	-0.0072u
Ca 370.602	15237	15239	15171
Cd 226.502	0.1645	0.1757	0.0219
Co 228.615	0.1356	0.2107	0.5698
Cr 267.716	-0.2537u	-0.0341	-0.1199u
Cu 324.754	0.4990	0.6775	0.5987
Fe 271.441	0.8834	4.9472	1.9554
K 766.491	703.478	702.665	699.232
Mg 279.078	535.150	537.438	535.814
Mn 257.610	22.9360	23.0190	22.9605
Mo 202.032	0.8025	-0.1252u	0.2136
Na 330.237	122397x	122423x	122196x
Ni 231.604	1.1072	1.4721	0.6903
Pb 220.353	0.0036	3.2425	0.6763
Sb 206.834	-0.0834u	1.9060	0.7899
Se 196.026	1.4393	0.2798	-1.0508u
Sn 189.925	1.7751	-1.1336u	2.8275
Sr 216.596	53.0977	54.2446	52.5967
Ti 334.941	0.0257	0.0223u	0.0351
Tl 190.794	1.0952	-0.3417u	0.1186
V 292.401	-0.1587u	-0.2802u	0.1535
Zn 206.200	3.7506	4.7360	3.8009

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3328b	ppb	0.0630	18.9	-50.4270
Al 308.215	25.2026b	ppb	0.5870	2.3	189.259
As 188.980	-0.5689b	ppb	4.9480	869.8	-6.9003
B 249.678	13.8370b	ppb	0.5732	4.1	334.256
Ba 389.178	13.4058b	ppb	0.3687	2.8	318.419
Be 313.042	-0.0034b	ppb	0.0046	134.9	-392.493
Ca 370.602	15216b	ppb	38.68	0.3	48896
Cd 226.502	0.1207b	ppb	0.0857	71.0	41.5338
Co 228.615	0.3054b	ppb	0.2321	76.0	11.6272
Cr 267.716	-0.1359b	ppb	0.1107	81.5	12.8117
Cu 324.754	0.5918b	ppb	0.0895	15.1	291.078
Fe 271.441	2.5953b	ppb	2.1061	81.2	112.637
K 766.491	701.792b	ppb	2.2536	0.3	27417.4
Mg 279.078	536.134b	ppb	1.1770	0.2	1288.02
Mn 257.610	22.9718b	ppb	0.0426	0.2	6219.54
Mo 202.032	0.2969b	ppb	0.4694	158.1	19.3066
Na 330.237	122339xb	ppb	124.334	0.1	6741.20
Ni 231.604	1.0899b	ppb	0.3912	35.9	-2.4605
Pb 220.353	1.3075b	ppb	1.7092	130.7	34.3661
Sb 206.834	0.8708b	ppb	0.9972	114.5	4.7012
Se 196.026	0.2227b	ppb	1.2460	559.4	11.8921
Sn 189.925	1.1563b	ppb	2.0518	177.4	-11.2496
Sr 216.596	53.3130b	ppb	0.8448	1.6	707.815
Ti 334.941	0.0277b	ppb	0.0066	24.0	-41.0557
Tl 190.794	0.2907b	ppb	0.7337	252.4	-15.4013
V 292.401	-0.0951b	ppb	0.2237	235.2	-12.4618
Zn 206.200	4.0959b	ppb	0.5550	13.5	5.7680

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**680-89727-a-1-gSD^5 (Samp) 5/7/2013, 5:00:19 PM Rack 1, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3287u	-0.1750u	0.0368
Al 308.215	7.9293	2.8859	5.8411
As 188.980	-2.5517u	8.3356	-0.5635u
B 249.678	2.7102	2.3794	2.5270
Ba 389.178	2.6224	2.4264	2.1664
Be 313.042	-0.0077u	-0.0029u	-0.0069u
Ca 370.602	3167	3048	3005
Cd 226.502	-0.0018u	0.0784	-0.0961u
Co 228.615	-0.0580u	0.2134	0.3580
Cr 267.716	-0.1247u	-0.2654u	-0.2707u
Cu 324.754	0.4883	0.4798	0.5521
Fe 271.441	-0.2431u	-4.4511u	-3.6390u
K 766.491	129.944	125.120	123.547
Mg 279.078	114.057	106.486	105.358
Mn 257.610	7.9635	7.6116	7.5295
Mo 202.032	-0.0876u	-0.0649u	-0.2100u
Na 330.237	24108.5	23143.0	22795.5
Ni 231.604	0.3575	0.8058	-0.2396u
Pb 220.353	2.7527	1.3032	1.4952
Sb 206.834	2.0293	-0.0809u	0.6813
Se 196.026	3.5695	-1.1131u	-6.5761u
Sn 189.925	0.0698	0.1081	0.2895
Sr 216.596	11.4596	10.5190	10.8655
Ti 334.941	0.0363	0.0070	0.0011u
Tl 190.794	1.1151	-0.4335u	-0.3712u
V 292.401	-0.3211u	-0.1424u	-0.4164u
Zn 206.200	2.1581	0.1423	2.1097

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1556	ppb	0.1835	117.9	-34.0946
Al 308.215	5.5521	ppb	2.5341	45.6	98.0635
As 188.980	1.7401	ppb	5.7977	333.2	-5.8735
B 249.678	2.5389	ppb	0.1658	6.5	181.458
Ba 389.178	2.4051	ppb	0.2288	9.5	61.6994
Be 313.042	-0.0059	ppb	0.0026	43.8	-389.782
Ca 370.602	3074	ppb	83.67	2.7	9884
Cd 226.502	-0.0065	ppb	0.0873	1345.5	36.8481
Co 228.615	0.1711	ppb	0.2112	123.4	9.8193
Cr 267.716	-0.2203	ppb	0.0828	37.6	6.3390
Cu 324.754	0.5067	ppb	0.0395	7.8	287.063
Fe 271.441	-2.7777	ppb	2.2323	80.4	102.589
K 766.491	126.203	ppb	3.3336	2.6	5234.41
Mg 279.078	108.634	ppb	4.7306	4.4	292.160
Mn 257.610	7.7015	ppb	0.2305	3.0	2133.64
Mo 202.032	-0.1208	ppb	0.0780	64.6	15.8922
Na 330.237	23349.0	ppb	680.320	2.9	1342.39
Ni 231.604	0.3079	ppb	0.5245	170.3	-4.8872
Pb 220.353	1.8504	ppb	0.7873	42.5	35.4906
Sb 206.834	0.8766	ppb	1.0685	121.9	4.7096
Se 196.026	-1.3732	ppb	5.0778	369.8	11.0051
Sn 189.925	0.1558	ppb	0.1174	75.3	-12.3142
Sr 216.596	10.9480	ppb	0.4757	4.3	161.481
Ti 334.941	0.0148	ppb	0.0189	127.7	-38.6530
Tl 190.794	0.1035	ppb	0.8767	847.3	-15.5841
V 292.401	-0.2933	ppb	0.1391	47.4	-17.3949
Zn 206.200	1.4700	ppb	1.1501	78.2	1.4869

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**680-89727-a-1-gPDS (Samp) 5/7/2013, 5:05:45 PM Rack 1, Tube 10****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	44.8853	45.0536	45.0758
Al 308.215	1980.72	1973.11	1985.91
As 188.980	2154.20	2139.44	2166.13
B 249.678	1000.12	1005.30	1013.97
Ba 389.178	2083.94	2084.53	2089.83
Be 313.042	50.8760	50.8035	51.0594
Ca 370.602	20120	20100	20166
Cd 226.502	52.7718	52.9759	52.9108
Co 228.615	532.395	529.756	530.799
Cr 267.716	206.840	206.347	207.474
Cu 324.754	257.392	257.257	258.377
Fe 271.441	983.740	992.171	987.052
K 766.491	6660.83	6673.40	6701.72
Mg 279.078	5547.10	5529.68	5560.98
Mn 257.610	557.530	557.269	558.777
Mo 202.032	521.888	522.085	524.586
Na 330.237	124704x	125244x	124718x
Ni 231.604	520.558	515.844	518.997
Pb 220.353	499.046	496.475	499.697
Sb 206.834	494.460	489.042	503.036
Se 196.026	2039.59	2024.09	2047.63
Sn 189.925	1017.42	1029.05	1028.99
Sr 216.596	573.827	576.365	579.112
Ti 334.941	994.219	994.622	999.014
Tl 190.794	2069.11	2054.17	2070.89
V 292.401	497.210	497.083	499.303
Zn 206.200	525.667	526.677	528.367

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.0049b	ppb	0.1042	0.2	3596.86
Al 308.215	1979.91b	ppb	6.4372	0.3	9308.09
As 188.980	2153.26b	ppb	13.3677	0.6	1024.99
B 249.678	1006.46b	ppb	6.9975	0.7	13757.9
Ba 389.178	2086.10b	ppb	3.2484	0.2	48493.0
Be 313.042	50.9130b	ppb	0.1319	0.3	96199.5
Ca 370.602	20129b	ppb	34.29	0.2	64803
Cd 226.502	52.8862b	ppb	0.1043	0.2	2233.03
Co 228.615	530.983b	ppb	1.3289	0.3	7193.43
Cr 267.716	206.887b	ppb	0.5652	0.3	10948.7
Cu 324.754	257.675b	ppb	0.6112	0.2	12429.7
Fe 271.441	987.654b	ppb	4.2479	0.4	2045.02
K 766.491	6678.65b	ppb	20.9460	0.3	257763
Mg 279.078	5545.92b	ppb	15.6869	0.3	12951.7
Mn 257.610	557.859b	ppb	0.8063	0.1	149264
Mo 202.032	522.853b	ppb	1.5038	0.3	4290.05
Na 330.237	124889xb	ppb	307.522	0.2	6867.55
Ni 231.604	518.466b	ppb	2.4014	0.5	1603.01
Pb 220.353	498.406b	ppb	1.7035	0.3	1066.37
Sb 206.834	495.513b	ppb	7.0561	1.4	609.850
Se 196.026	2037.10b	ppb	11.9663	0.6	1138.65
Sn 189.925	1025.15b	ppb	6.6982	0.7	1027.91
Sr 216.596	576.435b	ppb	2.6437	0.5	7404.25
Ti 334.941	995.952b	ppb	2.6598	0.3	306050
Tl 190.794	2064.72b	ppb	9.1815	0.4	2276.69
V 292.401	497.865b	ppb	1.2468	0.3	14474.5
Zn 206.200	526.904b	ppb	1.3638	0.3	857.546

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**680-89727-a-1-h ms (Samp)**      **5/7/2013, 5:11:12 PM**      **Rack 1, Tube 11**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	69.1963	69.4271	69.2240
Al 308.215	842.669	841.779	849.398
As 188.980	94.2627	85.7993	81.7531
B 249.678	182.295	181.890	181.569
Ba 389.178	93.4108	93.3583	92.9481
Be 313.042	84.1441	83.7933	84.0351
Ca 370.602	20539	20474	20586
Cd 226.502	86.1378	85.9273	86.1727
Co 228.615	85.7803	85.1411	85.1596
Cr 267.716	85.3488	84.7239	85.0141
Cu 324.754	84.8708	84.7695	84.8604
Fe 271.441	8089.41	8080.72	8097.99
K 766.491	9862.81	9817.26	9843.25
Mg 279.078	8437.72	8430.45	8464.94
Mn 257.610	900.066	896.734	898.357
Mo 202.032	82.6341	81.6131	82.1809
Na 330.237	106441x	105905x	106669x
Ni 231.604	85.3861	87.3609	83.7098
Pb 220.353	83.0177	83.5484	83.3249
Sb 206.834	81.9781	79.1770	86.8902
Se 196.026	89.9503	81.5118	78.8662
Sn 189.925	82.1028	82.6652	82.2036
Sr 216.596	125.995	125.901	126.825
Ti 334.941	81.4255	80.8824	80.9124
Tl 190.794	17.8233	16.9076	17.1249
V 292.401	82.4792	82.3250	82.3808
Zn 206.200	88.7619	91.7755	91.5488

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	69.2825b	ppb	0.1261	0.2	5581.04
Al 308.215	844.615b	ppb	4.1658	0.5	3999.04
As 188.980	87.2717b	ppb	6.3835	7.3	35.1414
B 249.678	181.918b	ppb	0.3639	0.2	2596.64
Ba 389.178	93.2390b	ppb	0.2533	0.3	2206.12
Be 313.042	83.9908b	ppb	0.1795	0.2	159103
Ca 370.602	20533b	ppb	56.49	0.3	65357
Cd 226.502	86.0793b	ppb	0.1328	0.2	3635.62
Co 228.615	85.3603b	ppb	0.3638	0.4	1160.33
Cr 267.716	85.0289b	ppb	0.3127	0.4	4516.30
Cu 324.754	84.8336b	ppb	0.0558	0.1	4269.31
Fe 271.441	8089.38b	ppb	8.6363	0.1	15214.1
K 766.491	9841.11b	ppb	22.8480	0.2	379643
Mg 279.078	8444.37b	ppb	18.1809	0.2	19701.2
Mn 257.610	898.386b	ppb	1.6662	0.2	240349
Mo 202.032	82.1427b	ppb	0.5115	0.6	687.758
Na 330.237	106338xb	ppb	392.472	0.4	5864.20
Ni 231.604	85.4856b	ppb	1.8276	2.1	259.622
Pb 220.353	83.2970b	ppb	0.2665	0.3	204.868
Sb 206.834	82.6818b	ppb	3.9044	4.7	106.418
Se 196.026	83.4428b	ppb	5.7888	6.9	58.2165
Sn 189.925	82.3239b	ppb	0.2998	0.4	71.1154
Sr 216.596	126.240b	ppb	0.5088	0.4	1646.15
Ti 334.941	81.0734b	ppb	0.3053	0.4	24907.5
Tl 190.794	17.2852b	ppb	0.4785	2.8	1.6416
V 292.401	82.3950b	ppb	0.0781	0.1	2383.79
Zn 206.200	90.6954b	ppb	1.6782	1.9	147.588

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**680-89727-a-1-i msd (Samp) 5/7/2013, 5:16:38 PM Rack 1, Tube 12****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	60.6048	61.2229	60.8445
Al 308.215	813.563	813.184	817.522
As 188.980	76.1151	86.4375	87.6477
B 249.678	167.942	168.814	167.919
Ba 389.178	90.1119	90.5592	90.3625
Be 313.042	80.9912	80.9283	80.7146
Ca 370.602	19920	19931	19937
Cd 226.502	82.5105	82.7566	82.5540
Co 228.615	82.1013	82.0794	81.9294
Cr 267.716	81.6653	81.9891	81.5696
Cu 324.754	81.6593	82.3528	81.0763
Fe 271.441	7792.93	7798.59	7778.15
K 766.491	9414.36	9450.96	9400.07
Mg 279.078	8100.47	8133.73	8119.49
Mn 257.610	862.433	864.785	862.975
Mo 202.032	79.3378	78.5645	80.2587
Na 330.237	102981x	103362x	103276x
Ni 231.604	80.7139	83.1330	82.2804
Pb 220.353	79.5973	78.8356	78.3077
Sb 206.834	77.5728	76.1305	80.5481
Se 196.026	85.0018	79.7887	83.1061
Sn 189.925	76.7882	77.3108	80.4935
Sr 216.596	122.281	123.001	122.298
Ti 334.941	78.0756	78.0852	77.7370
Tl 190.794	16.8102	15.9008	15.2019
V 292.401	79.0610	79.3451	78.9070
Zn 206.200	86.0698	85.7954	85.8778

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	60.8907b	ppb	0.3116	0.5	4902.36
Al 308.215	814.756b	ppb	2.4025	0.3	3860.23
As 188.980	83.4001b	ppb	6.3380	7.6	33.2854
B 249.678	168.225b	ppb	0.5105	0.3	2411.86
Ba 389.178	90.3445b	ppb	0.2242	0.2	2137.54
Be 313.042	80.8781b	ppb	0.1450	0.2	153192
Ca 370.602	19929b	ppb	8.303	0.0	63442
Cd 226.502	82.6070b	ppb	0.1314	0.2	3490.51
Co 228.615	82.0367b	ppb	0.0936	0.1	1115.42
Cr 267.716	81.7414b	ppb	0.2198	0.3	4342.38
Cu 324.754	81.6961b	ppb	0.6391	0.8	4121.15
Fe 271.441	7789.89b	ppb	10.5535	0.1	14654.8
K 766.491	9421.79b	ppb	26.2488	0.3	363483
Mg 279.078	8117.89b	ppb	16.6858	0.2	18941.0
Mn 257.610	863.397b	ppb	1.2318	0.1	230991
Mo 202.032	79.3870b	ppb	0.8482	1.1	665.255
Na 330.237	103206xb	ppb	199.896	0.2	5693.56
Ni 231.604	82.0424b	ppb	1.2269	1.5	248.930
Pb 220.353	78.9135b	ppb	0.6484	0.8	195.752
Sb 206.834	78.0838b	ppb	2.2527	2.9	100.709
Se 196.026	82.6322b	ppb	2.6386	3.2	57.7564
Sn 189.925	78.1975b	ppb	2.0055	2.6	66.9262
Sr 216.596	122.527b	ppb	0.4109	0.3	1598.33
Ti 334.941	77.9659b	ppb	0.1983	0.3	23951.1
Tl 190.794	15.9710b	ppb	0.8064	5.0	0.2544
V 292.401	79.1044b	ppb	0.2223	0.3	2288.14
Zn 206.200	85.9143b	ppb	0.1408	0.2	139.769

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Cont Calib Verif (CCV) 5/7/2013, 5:22:04 PM Rack 1, Tube 13  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	491.875	485.978	494.019
Al 308.215	4863.28	4870.56	4867.21
As 188.980	507.007	500.378	497.509
B 249.678	502.951	501.245	506.021
Ba 389.178	5105.93	5091.04	5098.61
Be 313.042	513.165	510.209	510.309
Ca 370.602	5009	4994	5002
Cd 226.502	516.076	513.383	517.010
Co 228.615	520.252	517.917	521.357
Cr 267.716	5139.04	5118.65	5129.61
Cu 324.754	4961.55	4969.60	5020.26
Fe 271.441	4929.87	4916.16	4937.38
K 766.491	10116.2	10112.4	10093.7
Mg 279.078	4932.79	4914.68	4938.55
Mn 257.610	5238.26	5231.68	5249.95
Mo 202.032	499.301	498.578	500.211
Na 330.237	7007.58	7159.56	7056.36
Ni 231.604	2599.96	2585.19	2593.77
Pb 220.353	492.286	486.653	493.141
Sb 206.834	969.320	964.467	969.864
Se 196.026	4924.49	4904.37	4940.00
Sn 189.925	5028.11	4975.19	5013.30
Sr 216.596	2514.98	2496.56	2510.48
Ti 334.941	494.051	491.842	493.348
Tl 190.794	5015.30	4989.50	5016.47
V 292.401	4947.39	4935.83	4951.71
Zn 206.200	2599.12	2578.77	2588.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.624	ppb	4.1643	0.8	39596.0	98.12480
Al 308.215	4867.02	ppb	3.6437	0.1	22638.2	97.34031
As 188.980	501.631	ppb	4.8712	1.0	233.512	100.32628
B 249.678	503.406	ppb	2.4201	0.5	6948.85	20.13622Q
Ba 389.178	5098.53	ppb	7.4471	0.1	118496	101.97054
Be 313.042	511.228	ppb	1.6786	0.3	970206	102.24556
Ca 370.602	5002	ppb	7.867	0.2	15957	100.03209
Cd 226.502	515.490	ppb	1.8833	0.4	21427.7	103.09792
Co 228.615	519.842	ppb	1.7563	0.3	7043.64	103.96841
Cr 267.716	5129.10	ppb	10.2027	0.2	270950	102.58201
Cu 324.754	4983.80	ppb	31.8301	0.6	235372	99.67606
Fe 271.441	4927.80	ppb	10.7609	0.2	9439.27	98.55606
K 766.491	10107.5	ppb	12.0453	0.1	389908	101.07458
Mg 279.078	4928.67	ppb	12.4531	0.3	11430.3	98.57346
Mn 257.610	5239.96	ppb	9.2537	0.2	1400961	104.79924
Mo 202.032	499.363	ppb	0.8186	0.2	4088.34	99.87268
Na 330.237	7074.50	ppb	77.5970	1.1	428.479	94.32668
Ni 231.604	2592.97	ppb	7.4191	0.3	8040.42	103.71893
Pb 220.353	490.693	ppb	3.5249	0.7	1052.05	98.13866
Sb 206.834	967.884	ppb	2.9715	0.3	1258.53	96.78838
Se 196.026	4922.95	ppb	17.8645	0.4	2736.14	98.45905
Sn 189.925	5005.54	ppb	27.3049	0.5	5067.17	100.11070
Sr 216.596	2507.34	ppb	9.6062	0.4	32198.7	100.29368
Ti 334.941	493.080	ppb	1.1287	0.2	151516	98.61604
Tl 190.794	5007.09	ppb	15.2408	0.3	5539.01	100.14180
V 292.401	4944.98	ppb	8.2110	0.2	144472	98.89952
Zn 206.200	2588.71	ppb	10.1824	0.4	4203.58	103.54823

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB)                      5/7/2013, 5:27:27 PM                      Rack 1, Tube 14  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2722u	0.2398	-0.0192u
Al 308.215	-2.8448u	-1.6980u	-3.1799u
As 188.980	0.7400	-0.2568u	-1.9183u
B 249.678	11.2217	11.1017	9.6438
Ba 389.178	-0.2306u	0.5579	-0.2247u
Be 313.042	-0.0047u	-0.0028u	0.0123
Ca 370.602	0.3253	0.7594	0.3027
Cd 226.502	-0.0592u	-0.0661u	-0.2832u
Co 228.615	-0.3189u	-0.0299u	0.2894
Cr 267.716	-0.1115u	0.1140	-0.0995u
Cu 324.754	0.1514	0.3179	-0.3404u
Fe 271.441	3.7646	-3.4919u	-8.1411u
K 766.491	-1.5657u	-1.7898u	-1.1700u
Mg 279.078	-4.4939u	0.7668	-1.5396u
Mn 257.610	-0.0835u	-0.0131u	-0.0024u
Mo 202.032	0.0211	0.5523	0.3044
Na 330.237	-94.5346u	-71.7344u	-129.970u
Ni 231.604	0.7472	1.2274	0.1816
Pb 220.353	-0.0533u	0.5643	0.4967
Sb 206.834	7.9081	7.6743	5.7331
Se 196.026	6.6873	3.1733	1.0599
Sn 189.925	2.8585	-0.8240u	2.0777
Sr 216.596	-0.1338u	-0.2690u	0.0199
Ti 334.941	0.0470	0.1151	0.0858
Tl 190.794	-0.5522u	0.6031	-0.7287u
V 292.401	0.1331	0.2527	-0.0944u
Zn 206.200	1.8334	0.5785	1.3973

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0172	ppb	0.2560	1486.4	-22.3977	-0.01722
Al 308.215	-2.5742	ppb	0.7771	30.2	60.3851	-2.57424
As 188.980	-0.4784	ppb	1.3429	280.7	-6.9567	-0.47836
B 249.678	10.6557	ppb	0.8784	8.2	291.234	10.65572
Ba 389.178	0.0342	ppb	0.4535	1326.3	6.3279	0.03420
Be 313.042	0.0016	ppb	0.0093	592.5	-374.062	0.00157
Ca 370.602	0.4625	ppb	0.2574	55.7	9.309	0.46246
Cd 226.502	-0.1362	ppb	0.1274	93.6	31.6215	-0.13617
Co 228.615	-0.0198	ppb	0.3043	1538.0	7.2276	-0.01978
Cr 267.716	-0.0323	ppb	0.1269	392.3	15.7677	-0.03234
Cu 324.754	0.0430	ppb	0.3423	796.8	265.186	0.04296
Fe 271.441	-2.6228	ppb	6.0002	228.8	102.851	-2.62279
K 766.491	-1.5085	ppb	0.3138	20.8	312.440	-1.50850
Mg 279.078	-1.7556	ppb	2.6370	150.2	35.0753	-1.75555
Mn 257.610	-0.0330	ppb	0.0441	133.4	64.9811	-0.03303
Mo 202.032	0.2926	ppb	0.2658	90.8	19.2708	0.29259
Na 330.237	-98.7462	ppb	29.3451	29.7	63.5659	-98.74622
Ni 231.604	0.7187	ppb	0.5235	72.8	-3.6124	0.71872
Pb 220.353	0.3359	ppb	0.3388	100.8	32.3389	0.33591
Sb 206.834	7.1052	ppb	1.1940	16.8	12.3964	7.10518
Se 196.026	3.6402	ppb	2.8426	78.1	13.7759	3.64016
Sn 189.925	1.3708	ppb	1.9404	141.6	-11.0930	1.37075
Sr 216.596	-0.1276	ppb	0.1445	113.2	18.6180	-0.12765
Ti 334.941	0.0826	ppb	0.0342	41.3	-16.3419	0.08264
Tl 190.794	-0.2259	ppb	0.7234	320.2	-15.9374	-0.22593
V 292.401	0.0971	ppb	0.1763	181.5	-5.8341	0.09712
Zn 206.200	1.2697	ppb	0.6371	50.2	58.1600	1.26974

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89727-a-20-e (Samp)**      **5/7/2013, 5:32:51 PM**      **Rack 1, Tube 15****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3797u	0.0233u	-0.2588u
Al 308.215	5.4066	4.7477	3.5066
As 188.980	3.5257	-2.9836u	1.0877
B 249.678	22.4930	23.1933	23.0230
Ba 389.178	14.3359	14.8041	13.8583
Be 313.042	-0.0215u	-0.0239u	-0.0244u
Ca 370.602	65544	65523	65516
Cd 226.502	-0.0456u	0.1119	0.0026u
Co 228.615	0.1331	-0.5471u	0.6301
Cr 267.716	-0.0920u	-0.3636u	-0.0064
Cu 324.754	0.6917	0.3236	0.5860
Fe 271.441	4.5997	-1.5336u	5.7669
K 766.491	313.279	313.731	312.368
Mg 279.078	742.149	748.739	747.332
Mn 257.610	50.7008	50.8758	50.6479
Mo 202.032	0.1271	0.1166	0.0492
Na 330.237	127823x	127966x	127596x
Ni 231.604	-0.1610u	1.6250	0.4479
Pb 220.353	-0.1615u	-1.3807u	2.1385
Sb 206.834	4.9869	-2.8816u	0.1005
Se 196.026	0.4565	-1.0777u	0.0817
Sn 189.925	1.3525	0.9809	-1.7083u
Sr 216.596	59.0812	59.1291	59.2508
Ti 334.941	0.1859	0.1998	0.1237
Tl 190.794	-0.9181u	-0.6976u	-1.3830u
V 292.401	-0.0027u	-0.1050u	-0.4516u
Zn 206.200	1.4391	1.3599	3.5022

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2051b	ppb	0.2068	100.8	-40.3926
Al 308.215	4.5537b	ppb	0.9648	21.2	93.4311
As 188.980	0.5433b	ppb	3.2886	605.4	-6.0371
B 249.678	22.9031b	ppb	0.3652	1.6	456.871
Ba 389.178	14.3328b	ppb	0.4729	3.3	340.510
Be 313.042	-0.0233b	ppb	0.0015	6.6	-413.209
Ca 370.602	65528b	ppb	14.35	0.0	210548
Cd 226.502	0.0229b	ppb	0.0807	351.6	37.4517
Co 228.615	0.0720b	ppb	0.5910	820.4	8.4837
Cr 267.716	-0.1540b	ppb	0.1865	121.1	12.0938
Cu 324.754	0.5338b	ppb	0.1895	35.5	288.341
Fe 271.441	2.9443b	ppb	3.9217	133.2	113.251
K 766.491	313.126b	ppb	0.6945	0.2	12438.3
Mg 279.078	746.073b	ppb	3.4704	0.5	1776.72
Mn 257.610	50.7415b	ppb	0.1193	0.2	13646.1
Mo 202.032	0.0976b	ppb	0.0422	43.3	17.6772
Na 330.237	127795xb	ppb	186.494	0.1	7038.81
Ni 231.604	0.6373b	ppb	0.9079	142.5	-3.8650
Pb 220.353	0.1988b	ppb	1.7871	899.1	32.0681
Sb 206.834	0.7353b	ppb	3.9725	540.3	4.5358
Se 196.026	-0.1798b	ppb	0.7998	444.8	11.6772
Sn 189.925	0.2083b	ppb	1.6702	801.7	-12.1834
Sr 216.596	59.1537b	ppb	0.0875	0.1	789.092
Ti 334.941	0.1698b	ppb	0.0405	23.8	3.2167
Tl 190.794	-0.9996b	ppb	0.3499	35.0	-16.8795
V 292.401	-0.1864b	ppb	0.2353	126.2	-15.1475
Zn 206.200	2.1004b	ppb	1.2146	57.8	25150



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**680-89727-a-2-e (Samp)**                      **5/7/2013, 5:38:15 PM**                      **Rack 1, Tube 16**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0500u	-0.2201u	-0.3598u
Al 308.215	30.0245	28.8542	30.8649
As 188.980	1.3368	3.2412	-5.0568u
B 249.678	41.2836	41.1941	40.3381
Ba 389.178	18.1613	17.1828	18.1069
Be 313.042	0.0092	0.0041u	-0.0016u
Ca 370.602	5337	5393	5358
Cd 226.502	0.1763	-0.0345u	-0.0331u
Co 228.615	0.4240	0.2566	-0.1432u
Cr 267.716	-0.0027	-0.1910u	-0.2370u
Cu 324.754	0.2543	0.4664	0.4050
Fe 271.441	6.0684	-1.5037u	0.6236
K 766.491	203.138	203.274	203.255
Mg 279.078	174.940	177.382	178.960
Mn 257.610	11.2331	11.2489	11.2514
Mo 202.032	-0.1600u	0.3493	-0.3548u
Na 330.237	118373x	119482x	119172x
Ni 231.604	0.2127	2.3086	-0.0276u
Pb 220.353	-0.2529u	0.2139	0.5731
Sb 206.834	-1.9221u	2.6387	1.4024
Se 196.026	2.7136	-4.4607u	-5.1272u
Sn 189.925	-1.8448u	-0.7444u	0.0926
Sr 216.596	13.9568	14.4188	14.7835
Ti 334.941	0.0349	-0.0013u	0.0037u
Tl 190.794	-0.0086u	-1.4043u	-3.1313u
V 292.401	0.0635	-0.1722u	-0.3018u
Zn 206.200	10.5677	11.0487	10.6928

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2100b	ppb	0.1552	73.9	-38.6437
Al 308.215	29.9145b	ppb	1.0099	3.4	211.125
As 188.980	-0.1596b	ppb	4.3467	2723.5	-6.7687
B 249.678	40.9386b	ppb	0.5220	1.3	700.800
Ba 389.178	17.8170b	ppb	0.5499	3.1	419.962
Be 313.042	0.0039b	ppb	0.0054	138.1	-381.651
Ca 370.602	5362b	ppb	28.24	0.5	17237
Cd 226.502	0.0363b	ppb	0.1213	334.6	38.0401
Co 228.615	0.1792b	ppb	0.2914	162.7	9.9213
Cr 267.716	-0.1436b	ppb	0.1242	86.5	12.2847
Cu 324.754	0.3752b	ppb	0.1091	29.1	280.863
Fe 271.441	1.7294b	ppb	3.9053	225.8	111.000
K 766.491	203.222b	ppb	0.0733	0.0	8202.69
Mg 279.078	177.094b	ppb	2.0257	1.1	451.611
Mn 257.610	11.2445b	ppb	0.0099	0.1	3080.88
Mo 202.032	-0.0552b	ppb	0.3636	659.3	16.4285
Na 330.237	119009xb	ppb	572.070	0.5	6559.54
Ni 231.604	0.8312b	ppb	1.2851	154.6	-3.2632
Pb 220.353	0.1780b	ppb	0.4142	232.7	32.0147
Sb 206.834	0.7063b	ppb	2.3588	333.9	4.4979
Se 196.026	-2.2914b	ppb	4.3473	189.7	10.4983
Sn 189.925	-0.8322b	ppb	0.9717	116.8	-13.2741
Sr 216.596	14.3864b	ppb	0.4143	2.9	205.973
Ti 334.941	0.0125b	ppb	0.0196	157.4	-47.2216
Tl 190.794	-1.5147b	ppb	1.5643	103.3	-17.3872
V 292.401	-0.1368b	ppb	0.1852	135.4	-13.6620
Zn 206.200	10.7698b	ppb	0.2496	2.3	16.6482

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89727-a-3-e (Samp)                      5/7/2013, 5:43:39 PM                      Rack 1, Tube 17  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1156u	-0.2733u	-0.1404u
Al 308.215	25.9936	25.6106	24.2515
As 188.980	-0.8758u	-2.8783u	2.2691
B 249.678	51.8440	51.9945	52.2770
Ba 389.178	18.9048	17.7878	17.9807
Be 313.042	0.0120	0.0065	-0.0035u
Ca 370.602	14283	14266	14247
Cd 226.502	0.1218	-0.0200u	-0.1074u
Co 228.615	0.5359	0.1652	0.3412
Cr 267.716	0.2279	-0.0201	-0.0823u
Cu 324.754	0.3490	0.8131	0.6207
Fe 271.441	-0.2446u	-0.8147u	-4.1660u
K 766.491	176.096	175.218	175.370
Mg 279.078	524.706	523.738	523.005
Mn 257.610	46.7685	46.5921	46.5159
Mo 202.032	-0.8721u	-0.2185u	0.0851
Na 330.237	117302x	116413x	116578x
Ni 231.604	1.7622	1.6931	1.7498
Pb 220.353	0.7211	2.9955	3.1283
Sb 206.834	3.1765	2.7028	-1.3257u
Se 196.026	-1.1519u	-3.9057u	-3.4400u
Sn 189.925	-0.9083u	-0.6352u	0.8526
Sr 216.596	55.1008	54.6431	54.7764
Ti 334.941	0.0429	-0.0169u	0.0095u
Tl 190.794	-1.5668u	-1.1847u	-1.4313u
V 292.401	-0.3574u	-0.4050u	-0.3969u
Zn 206.200	2.4600	1.6891	1.4263

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1764b	ppb	0.0848	48.1	-37.7619
Al 308.215	25.2852b	ppb	0.9155	3.6	189.599
As 188.980	-0.4950b	ppb	2.5947	524.2	-6.8710
B 249.678	52.0385b	ppb	0.2198	0.4	850.925
Ba 389.178	18.2245b	ppb	0.5971	3.3	430.333
Be 313.042	0.0050b	ppb	0.0079	157.6	-376.150
Ca 370.602	14265b	ppb	18.17	0.1	45844
Cd 226.502	-0.0019b	ppb	0.1157	6239.7	36.4738
Co 228.615	0.3474b	ppb	0.1854	53.4	12.2138
Cr 267.716	0.0418b	ppb	0.1641	392.6	22.2058
Cu 324.754	0.5943b	ppb	0.2332	39.2	291.186
Fe 271.441	-1.7418b	ppb	2.1187	121.6	104.551
K 766.491	175.561b	ppb	0.4693	0.3	7136.65
Mg 279.078	523.816b	ppb	0.8536	0.2	1258.90
Mn 257.610	46.6255b	ppb	0.1296	0.3	12542.9
Mo 202.032	-0.3352b	ppb	0.4892	145.9	14.1398
Na 330.237	116764xb	ppb	473.277	0.4	6437.21
Ni 231.604	1.7351b	ppb	0.0368	2.1	-0.4586
Pb 220.353	2.2816b	ppb	1.3531	59.3	36.3987
Sb 206.834	1.5179b	ppb	2.4740	163.0	5.5096
Se 196.026	-2.8325b	ppb	1.4740	52.0	10.2088
Sn 189.925	-0.2303b	ppb	0.9477	411.5	-12.6596
Sr 216.596	54.8401b	ppb	0.2354	0.4	727.356
Ti 334.941	0.0118b	ppb	0.0300	253.5	-45.5080
Tl 190.794	-1.3943b	ppb	0.1937	13.9	-17.3108
V 292.401	-0.3864b	ppb	0.0255	6.6	-20.8698
Zn 206.200	1.8585b	ppb	0.5372	28.9	21195

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89727-a-4-d (Samp) 5/7/2013, 5:49:04 PM Rack 1, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1151u	-0.1100u	-0.3382u
Al 308.215	25.1081	23.3385	24.6478
As 188.980	5.1244	2.0009	-0.6707u
B 249.678	33.8204	33.8761	34.3873
Ba 389.178	21.1225	20.2671	19.7516
Be 313.042	0.0139	0.0046u	0.0062u
Ca 370.602	556.5	559.8	547.3
Cd 226.502	-0.1094u	-0.0914u	-0.2020u
Co 228.615	0.5416	0.6714	-0.2097u
Cr 267.716	-0.0629u	-0.1563u	-0.1817u
Cu 324.754	0.7774	0.5751	0.0122
Fe 271.441	-0.4505u	-5.8771u	-0.4544u
K 766.491	144.375	144.558	144.169
Mg 279.078	113.832	110.307	112.000
Mn 257.610	16.8492	16.9749	16.7794
Mo 202.032	-0.2565u	0.0429	-0.5482u
Na 330.237	116502x	116320x	115975x
Ni 231.604	1.2712	-0.3350u	1.1514
Pb 220.353	-2.6142u	3.0022	-0.3007u
Sb 206.834	0.1296	-2.5832u	1.2620
Se 196.026	-3.5091u	-1.5699u	-1.8378u
Sn 189.925	-5.0667u	4.0059	0.2685
Sr 216.596	3.2623	3.6586	2.9739
Ti 334.941	-0.0547u	-0.0202u	-0.0264u
Tl 190.794	2.2675	2.5597	-2.6189u
V 292.401	-0.4219u	-0.1606u	-0.0418u
Zn 206.200	1.8303	0.8781	1.9220

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1877b	ppb	0.1303	69.4	-36.2704
Al 308.215	24.3648b	ppb	0.9181	3.8	185.318
As 188.980	2.1515b	ppb	2.9005	134.8	-5.6929
B 249.678	34.0279b	ppb	0.3125	0.9	607.338
Ba 389.178	20.3804b	ppb	0.6924	3.4	479.340
Be 313.042	0.0082b	ppb	0.0050	60.6	-374.726
Ca 370.602	554.5b	ppb	6.464	1.2	1790
Cd 226.502	-0.1343b	ppb	0.0593	44.2	30.9781
Co 228.615	0.3345b	ppb	0.4757	142.2	12.0390
Cr 267.716	-0.1336b	ppb	0.0625	46.8	12.7855
Cu 324.754	0.4549b	ppb	0.3965	87.2	284.607
Fe 271.441	-2.2607b	ppb	3.1320	138.5	103.581
K 766.491	144.367b	ppb	0.1944	0.1	5934.44
Mg 279.078	112.046b	ppb	1.7630	1.6	299.942
Mn 257.610	16.8678b	ppb	0.0991	0.6	4583.52
Mo 202.032	-0.2539b	ppb	0.2956	116.4	14.8036
Na 330.237	116266xb	ppb	267.403	0.2	6410.01
Ni 231.604	0.6958b	ppb	0.8948	128.6	-3.6834
Pb 220.353	0.0291b	ppb	2.8226	9695.8	31.7073
Sb 206.834	-0.3972b	ppb	1.9759	497.5	3.1446
Se 196.026	-2.3056b	ppb	1.0509	45.6	10.4920
Sn 189.925	-0.2641b	ppb	4.5597	1726.7	-12.7012
Sr 216.596	3.2983b	ppb	0.3438	10.4	62.7795
Ti 334.941	-0.0338b	ppb	0.0184	54.5	-61.5216
Tl 190.794	0.7361b	ppb	2.9092	395.2	-14.8962
V 292.401	-0.2081b	ppb	0.1945	93.4	-15.6199
Zn 206.200	1.5434b	ppb	0.5780	37.5	588.6064

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**680-89727-a-5-g (Samp)**      **5/7/2013, 5:54:29 PM**      **Rack 1, Tube 19****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4242u	-0.1103u	-0.3306u
Al 308.215	28.1303	26.9986	21.3584
As 188.980	-0.2128	1.4483	10.6426
B 249.678	43.4417	43.1721	44.5566
Ba 389.178	17.0079	16.5329	17.8114
Be 313.042	0.0033u	0.0053	0.0043
Ca 370.602	17341	17312	17364
Cd 226.502	-0.0725u	-0.0550u	-0.0481u
Co 228.615	0.5462	0.3346	0.0861
Cr 267.716	0.2676	0.1939	0.2448
Cu 324.754	0.2823	-0.0165u	0.8143
Fe 271.441	3.4936	-2.9054u	1.8601
K 766.491	181.041	182.329	183.548
Mg 279.078	518.497	521.849	512.981
Mn 257.610	40.5586	40.7115	40.6485
Mo 202.032	-0.0768u	-0.2398u	-0.1135u
Na 330.237	121683x	121856x	122203x
Ni 231.604	-0.1316u	1.7634	1.2401
Pb 220.353	-0.2000u	0.7181	-2.6001u
Sb 206.834	-0.3492u	-3.9654u	1.9978
Se 196.026	0.0716	1.5690	3.1900
Sn 189.925	0.2913	0.4426	-1.9145u
Sr 216.596	57.6596	57.8987	57.7439
Ti 334.941	-0.0147u	0.0587	-0.0384u
Tl 190.794	1.4491	-0.7227u	-4.1017u
V 292.401	-0.5036u	0.2511	-0.2433u
Zn 206.200	3.0916	2.9544	1.2486

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2884b	ppb	0.1612	55.9	-47.0098
Al 308.215	25.4958b	ppb	3.6275	14.2	190.600
As 188.980	3.9594b	ppb	5.8471	147.7	-4.7160
B 249.678	43.7235b	ppb	0.7340	1.7	738.465
Ba 389.178	17.1174b	ppb	0.6462	3.8	404.603
Be 313.042	0.0043b	ppb	0.0010	23.2	-376.990
Ca 370.602	17339b	ppb	26.15	0.2	55718
Cd 226.502	-0.0585b	ppb	0.0126	21.5	34.0960
Co 228.615	0.3223b	ppb	0.2303	71.5	11.8647
Cr 267.716	0.2354b	ppb	0.0377	16.0	32.5057
Cu 324.754	0.3601b	ppb	0.4208	116.9	280.141
Fe 271.441	0.8161b	ppb	3.3248	407.4	109.322
K 766.491	182.306b	ppb	1.2535	0.7	7396.58
Mg 279.078	517.776b	ppb	4.4776	0.9	1244.93
Mn 257.610	40.6395b	ppb	0.0768	0.2	10942.6
Mo 202.032	-0.1433b	ppb	0.0855	59.7	15.7076
Na 330.237	121914xb	ppb	264.946	0.2	6718.07
Ni 231.604	0.9573b	ppb	0.9786	102.2	-2.8721
Pb 220.353	-0.6940b	ppb	1.7134	246.9	30.2097
Sb 206.834	-0.7723b	ppb	3.0040	389.0	2.6805
Se 196.026	1.6102b	ppb	1.5596	96.9	12.6644
Sn 189.925	-0.3935b	ppb	1.3194	335.3	-12.8214
Sr 216.596	57.7674b	ppb	0.1213	0.2	765.392
Ti 334.941	0.0019b	ppb	0.0506	2734.4	-49.0335
Tl 190.794	-1.1251b	ppb	2.7972	248.6	-17.0021
V 292.401	-0.1653b	ppb	0.3833	231.9	-14.4995
Zn 206.200	2.4315b	ppb	1.0267	42.2	2.0532

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680-89727-a-6-d (Samp) 5/7/2013, 5:59:54 PM Rack 1, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1052u	-0.2044u	-0.2711u
Al 308.215	28.5532	26.3597	28.9595
As 188.980	2.2191	2.3840	-8.6844u
B 249.678	50.0480	50.5199	50.1443
Ba 389.178	20.0351	20.9766	21.2319
Be 313.042	0.0027u	0.0077	0.0044u
Ca 370.602	697.0	694.9	687.5
Cd 226.502	-0.0530u	-0.0141u	-0.0771u
Co 228.615	0.3130	0.5437	-0.2851u
Cr 267.716	0.1082	-0.0836u	0.0623
Cu 324.754	0.4357	0.1972	0.3980
Fe 271.441	3.0329	-0.3198u	1.2709
K 766.491	164.236	164.615	161.997
Mg 279.078	149.556	150.436	147.779
Mn 257.610	17.5961	17.5973	17.3940
Mo 202.032	-0.4507u	-0.1650u	-0.5345u
Na 330.237	123295x	123726x	122348x
Ni 231.604	0.5409	0.2974	-0.9413u
Pb 220.353	0.0862	-0.3030u	0.2110
Sb 206.834	0.4654	0.8455	2.5462
Se 196.026	-3.5186u	-3.5816u	4.6911
Sn 189.925	1.9903	0.5221	-1.7968u
Sr 216.596	3.3382	3.7581	3.3598
Ti 334.941	-0.0724u	-0.0546u	-0.0332u
Tl 190.794	0.1691	-2.3914u	-2.5377u
V 292.401	-0.2297u	0.0523	-0.0032u
Zn 206.200	2.1399	3.4142	3.5163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1936b	ppb	0.0835	43.1	-36.7484
Al 308.215	27.9575b	ppb	1.3985	5.0	202.015
As 188.980	-1.3604b	ppb	6.3433	466.3	-7.3747
B 249.678	50.2374b	ppb	0.2494	0.5	826.562
Ba 389.178	20.7479b	ppb	0.6303	3.0	487.983
Be 313.042	0.0049b	ppb	0.0025	51.3	-381.781
Ca 370.602	693.1b	ppb	4.950	0.7	2235
Cd 226.502	-0.0480b	ppb	0.0318	66.2	34.5252
Co 228.615	0.1906b	ppb	0.4277	224.5	10.0834
Cr 267.716	0.0289b	ppb	0.1002	346.1	21.5096
Cu 324.754	0.3436b	ppb	0.1282	37.3	279.365
Fe 271.441	1.3280b	ppb	1.6771	126.3	110.254
K 766.491	163.616b	ppb	1.4145	0.9	6676.27
Mg 279.078	149.257b	ppb	1.3533	0.9	386.635
Mn 257.610	17.5292b	ppb	0.1170	0.7	4760.64
Mo 202.032	-0.3834b	ppb	0.1937	50.5	13.7448
Na 330.237	123123xb	ppb	704.911	0.6	6784.00
Ni 231.604	-0.0344b	ppb	0.7949	2313.9	-5.9491
Pb 220.353	-0.0019b	ppb	0.2681	14015.3	31.6427
Sb 206.834	1.2857b	ppb	1.1081	86.2	5.2197
Se 196.026	-0.8030b	ppb	4.7582	592.5	11.3233
Sn 189.925	0.2385b	ppb	1.9094	800.5	-12.1881
Sr 216.596	3.4854b	ppb	0.2365	6.8	65.2150
Ti 334.941	-0.0534b	ppb	0.0196	36.7	-67.9544
Tl 190.794	-1.5867b	ppb	1.5223	95.9	-17.4772
V 292.401	-0.0602b	ppb	0.1494	248.2	-11.4097
Zn 206.200	3.0235b	ppb	0.7669	25.4	4.0191

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680-89727-a-7-g (Samp)

5/7/2013, 6:05:30 PM

Rack 1, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2309u	-0.0151u	-0.1903u
Al 308.215	18.6861	17.3310	13.6116
As 188.980	-1.5423u	-0.6655u	5.2185
B 249.678	40.1629	40.9259	40.6063
Ba 389.178	14.0024	13.3873	13.9070
Be 313.042	-0.0081u	-0.0046u	-0.0078u
Ca 370.602	9415	9374	9316
Cd 226.502	-0.0689u	-0.0563u	-0.2998u
Co 228.615	-0.0292u	-0.1570u	0.2582
Cr 267.716	0.2822	-0.0353	0.0501
Cu 324.754	0.3796	0.3010	0.3814
Fe 271.441	-4.9800u	-1.5742u	-1.3091u
K 766.491	263.028	261.236	260.925
Mg 279.078	206.298	202.393	201.609
Mn 257.610	18.8956	18.7893	18.7471
Mo 202.032	0.4623	-0.1791u	0.2040
Na 330.237	123147x	123678x	123501x
Ni 231.604	-0.0619u	0.2589	0.9911
Pb 220.353	0.3868	-2.8735u	-1.3344u
Sb 206.834	0.8130	-0.9481u	2.5768
Se 196.026	-3.1454u	0.7064	5.5833
Sn 189.925	2.3492	3.5496	1.7955
Sr 216.596	133.452	132.361	132.643
Ti 334.941	0.0731	0.0314	0.0110u
Tl 190.794	-2.9640u	-1.0939u	-1.1213u
V 292.401	0.0554	-0.1322u	-0.2581u
Zn 206.200	1.4608	3.0304	0.7628

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1454b	ppb	0.1147	78.8	-39.1931
Al 308.215	16.5429b	ppb	2.6275	15.9	149.082
As 188.980	1.0035b	ppb	3.6765	366.4	-6.1851
B 249.678	40.5651b	ppb	0.3831	0.9	695.752
Ba 389.178	13.7656b	ppb	0.3310	2.4	325.897
Be 313.042	-0.0068b	ppb	0.0019	28.5	-401.137
Ca 370.602	9368b	ppb	49.62	0.5	30109
Cd 226.502	-0.1417b	ppb	0.1371	96.8	30.6262
Co 228.615	0.0240b	ppb	0.2127	885.5	7.8223
Cr 267.716	0.0990b	ppb	0.1643	166.0	25.2243
Cu 324.754	0.3540b	ppb	0.0459	13.0	279.862
Fe 271.441	-2.6211b	ppb	2.0472	78.1	102.859
K 766.491	261.730b	ppb	1.1350	0.4	10457.5
Mg 279.078	203.433b	ppb	2.5113	1.2	512.856
Mn 257.610	18.8107b	ppb	0.0765	0.4	5103.87
Mo 202.032	0.1624b	ppb	0.3227	198.7	18.2072
Na 330.237	123442xb	ppb	270.294	0.2	6801.39
Ni 231.604	0.3961b	ppb	0.5397	136.3	-4.6136
Pb 220.353	-1.2737b	ppb	1.6310	128.1	28.9979
Sb 206.834	0.8139b	ppb	1.7624	216.5	4.6336
Se 196.026	1.0481b	ppb	4.3744	417.4	12.3475
Sn 189.925	2.5648b	ppb	0.8967	35.0	-9.8228
Sr 216.596	132.819b	ppb	0.5663	0.4	1729.70
Ti 334.941	0.0385b	ppb	0.0317	82.3	-39.4759
Tl 190.794	-1.7264b	ppb	1.0719	62.1	-17.6345
V 292.401	-0.1116b	ppb	0.1577	141.3	-12.9829
Zn 206.200	1.7513b	ppb	1.1614	66.3	58.9445

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680-89727-a-8-e (Samp) 5/7/2013, 6:10:57 PM Rack 1, Tube 22

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0729u	-0.1722u	-0.1009u
Al 308.215	39.2826	40.7029	36.3351
As 188.980	-3.6391u	4.4929	3.7076
B 249.678	48.7540	48.6815	48.8216
Ba 389.178	20.8810	20.3071	20.4230
Be 313.042	-0.0003u	0.0007u	0.0015u
Ca 370.602	1184	1180	1176
Cd 226.502	0.0952	-0.1863u	0.0455
Co 228.615	0.4562	0.0504	-0.0762u
Cr 267.716	0.2642	0.3767	0.3021
Cu 324.754	0.6600	0.6387	0.7577
Fe 271.441	1.4858	-0.1865u	-0.6607u
K 766.491	133.258	132.892	133.159
Mg 279.078	349.051	348.627	345.942
Mn 257.610	2.0981	2.0596	2.1387
Mo 202.032	-0.2484u	-0.1219u	0.3210
Na 330.237	118408x	117893x	118245x
Ni 231.604	-1.4803u	0.4565	0.3348
Pb 220.353	1.6040	3.9835	2.5676
Sb 206.834	-0.8077u	1.6125	0.5623
Se 196.026	-2.3030u	-7.5866u	-0.4615u
Sn 189.925	2.9086	3.0623	-1.6024u
Sr 216.596	9.2749	9.0934	9.0479
Ti 334.941	-0.0348u	-0.0429u	-0.0325u
Tl 190.794	2.9614	-2.3613u	-2.7780u
V 292.401	-0.3000u	-0.2113u	-0.1685u
Zn 206.200	3.1989	1.9602	1.8135

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1154b	ppb	0.0512	44.4	-30.7742
Al 308.215	38.7735b	ppb	2.2279	5.7	252.211
As 188.980	1.5205b	ppb	4.4855	295.0	-5.9912
B 249.678	48.7524b	ppb	0.0701	0.1	806.479
Ba 389.178	20.5370b	ppb	0.3035	1.5	483.603
Be 313.042	0.0007b	ppb	0.0009	136.3	-389.182
Ca 370.602	1180b	ppb	3.864	0.3	3799
Cd 226.502	-0.0152b	ppb	0.1502	988.8	35.9148
Co 228.615	0.1435b	ppb	0.2781	193.8	9.4460
Cr 267.716	0.3143b	ppb	0.0572	18.2	36.4192
Cu 324.754	0.6855b	ppb	0.0635	9.3	295.495
Fe 271.441	0.2129b	ppb	1.1276	529.7	108.164
K 766.491	133.103b	ppb	0.1891	0.1	5500.32
Mg 279.078	347.873b	ppb	1.6864	0.5	849.711
Mn 257.610	2.0988b	ppb	0.0395	1.9	637.482
Mo 202.032	-0.0164b	ppb	0.2990	1822.8	16.7456
Na 330.237	118182xb	ppb	263.524	0.2	6514.52
Ni 231.604	-0.2297b	ppb	1.0848	472.3	-6.5552
Pb 220.353	2.7184b	ppb	1.1969	44.0	37.2948
Sb 206.834	0.4557b	ppb	1.2136	266.3	4.1980
Se 196.026	-3.4504b	ppb	3.6985	107.2	9.8547
Sn 189.925	1.4562b	ppb	2.6499	182.0	-10.9543
Sr 216.596	9.1387b	ppb	0.1201	1.3	137.977
Ti 334.941	-0.0367b	ppb	0.0054	14.8	-61.4218
Tl 190.794	-0.7260b	ppb	3.2001	440.8	-16.4963
V 292.401	-0.2266b	ppb	0.0671	29.6	-16.2686
Zn 206.200	2.3242b	ppb	0.7610	32.7	2.8780

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680-89727-a-9-e (Samp) 5/7/2013, 6:16:23 PM Rack 1, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0802u	-0.3140u	-0.2418u
Al 308.215	53.1062	55.0999	54.7345
As 188.980	0.3691	-0.2475u	7.0889
B 249.678	40.0502	40.3194	39.7161
Ba 389.178	35.5621	35.9374	36.5100
Be 313.042	-0.0079u	0.0008u	0.0007u
Ca 370.602	394.2	398.0	394.6
Cd 226.502	-0.0539u	0.0116u	-0.0019u
Co 228.615	0.4021	-0.0883u	0.4961
Cr 267.716	-0.0615u	-0.0809u	-0.0481u
Cu 324.754	0.4118	0.4791	0.4963
Fe 271.441	-2.8320u	3.1127	-7.9419u
K 766.491	130.869	128.971	129.940
Mg 279.078	236.699	225.880	230.123
Mn 257.610	0.3058	0.2431	0.3563
Mo 202.032	0.3157	0.1923	0.2195
Na 330.237	117823x	116027x	116872x
Ni 231.604	1.2573	0.9890	-0.0251u
Pb 220.353	10.7593	11.7956	11.3156
Sb 206.834	1.5464	-3.9076u	0.1801
Se 196.026	3.5802	0.3607	-6.1629u
Sn 189.925	1.1896	2.1058	0.6147
Sr 216.596	4.5514	4.8417	4.4029
Ti 334.941	-0.0714u	-0.0343u	-0.0058u
Tl 190.794	-4.9000u	-1.2195u	-1.0403u
V 292.401	-0.2541u	-0.4132u	-0.1776u
Zn 206.200	3.4911	1.0095	1.3401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2120b	ppb	0.1197	56.5	-38.3816
Al 308.215	54.3136b	ppb	1.0614	2.0	324.366
As 188.980	2.4035b	ppb	4.0693	169.3	-5.5733
B 249.678	40.0286b	ppb	0.3023	0.8	688.497
Ba 389.178	36.0032b	ppb	0.4774	1.3	842.629
Be 313.042	-0.0021b	ppb	0.0049	230.6	-394.686
Ca 370.602	395.6b	ppb	2.077	0.5	1279
Cd 226.502	-0.0147b	ppb	0.0346	234.5	35.9275
Co 228.615	0.2700b	ppb	0.3138	116.2	11.1371
Cr 267.716	-0.0635b	ppb	0.0165	26.0	16.4250
Cu 324.754	0.4624b	ppb	0.0446	9.7	284.981
Fe 271.441	-2.5537b	ppb	5.5326	216.6	103.023
K 766.491	129.927b	ppb	0.9489	0.7	5377.91
Mg 279.078	230.901b	ppb	5.4515	2.4	577.174
Mn 257.610	0.3017b	ppb	0.0567	18.8	155.937
Mo 202.032	0.2425b	ppb	0.0649	26.8	18.8622
Na 330.237	116907xb	ppb	898.229	0.8	6445.00
Ni 231.604	0.7404b	ppb	0.6764	91.4	-3.5451
Pb 220.353	11.2901b	ppb	0.5186	4.6	55.1164
Sb 206.834	-0.7270b	ppb	2.8379	390.4	2.7259
Se 196.026	-0.7407b	ppb	4.9640	670.2	11.3529
Sn 189.925	1.3034b	ppb	0.7520	57.7	-11.1104
Sr 216.596	4.5987b	ppb	0.2232	4.9	79.4586
Ti 334.941	-0.0372b	ppb	0.0329	88.5	-62.0361
Tl 190.794	-2.3866b	ppb	2.1785	91.3	-18.3376
V 292.401	-0.2816b	ppb	0.1202	42.7	-17.9401
Zn 206.200	1.9469b	ppb	1.3475	69.2	2.2638



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89727-a-11-e (Samp) 5/7/2013, 6:21:49 PM Rack 1, Tube 24****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1669u	-0.0113u	-0.4454u
Al 308.215	30.1708	30.5709	32.0203
As 188.980	4.6901	-2.2117u	-2.2340u
B 249.678	41.7908	41.6771	42.4410
Ba 389.178	23.1693	23.3963	23.7483
Be 313.042	0.0127	0.0132	0.0122
Ca 370.602	780.3	772.9	773.9
Cd 226.502	-0.0862u	-0.0262u	0.0081u
Co 228.615	-0.0213u	0.4462	0.1955
Cr 267.716	-0.0065	0.1227	-0.0427
Cu 324.754	0.7179	0.5977	0.4787
Fe 271.441	-11.3603u	2.3180	-0.1489u
K 766.491	149.348	148.318	150.973
Mg 279.078	177.929	176.386	178.738
Mn 257.610	18.4033	18.3446	18.4473
Mo 202.032	-0.3226u	-0.3160u	-0.0616u
Na 330.237	123681x	123084x	123463x
Ni 231.604	1.5164	0.4967	0.4966
Pb 220.353	-0.3020u	1.6598	-0.2507u
Sb 206.834	2.3238	-0.0321u	-3.5280u
Se 196.026	1.4484	1.4004	-0.2043u
Sn 189.925	0.5394	4.2288	-1.8512u
Sr 216.596	7.1996	7.1133	6.5955
Ti 334.941	-0.0372u	-0.0693u	-0.0513u
Tl 190.794	-0.5865u	1.3936	0.3415
V 292.401	0.0469	-0.2426u	0.0890
Zn 206.200	2.8254	0.8435	1.0554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2079b	ppb	0.2199	105.8	-38.0634
Al 308.215	30.9207b	ppb	0.9731	3.1	215.758
As 188.980	0.0815b	ppb	3.9912	4899.1	-6.6833
B 249.678	41.9696b	ppb	0.4121	1.0	714.750
Ba 389.178	23.4380b	ppb	0.2917	1.2	550.551
Be 313.042	0.0127b	ppb	0.0005	3.8	-367.089
Ca 370.602	775.7b	ppb	4.013	0.5	2501
Cd 226.502	-0.0348b	ppb	0.0478	137.4	35.0531
Co 228.615	0.2068b	ppb	0.2340	113.1	10.3044
Cr 267.716	0.0245b	ppb	0.0870	355.1	21.2832
Cu 324.754	0.5981b	ppb	0.1196	20.0	291.367
Fe 271.441	-3.0637b	ppb	7.2901	237.9	102.065
K 766.491	149.546b	ppb	1.3388	0.9	6134.04
Mg 279.078	177.684b	ppb	1.1945	0.7	452.858
Mn 257.610	18.3984b	ppb	0.0515	0.3	4993.29
Mo 202.032	-0.2334b	ppb	0.1489	63.8	14.9714
Na 330.237	123409xb	ppb	302.169	0.2	6799.61
Ni 231.604	0.8365b	ppb	0.5887	70.4	-3.2469
Pb 220.353	0.3690b	ppb	1.1181	303.0	32.4144
Sb 206.834	-0.4121b	ppb	2.9444	714.5	3.1248
Se 196.026	0.8815b	ppb	0.9406	106.7	12.2552
Sn 189.925	0.9723b	ppb	3.0631	315.0	-11.4433
Sr 216.596	6.9695b	ppb	0.3267	4.7	110.019
Ti 334.941	-0.0526b	ppb	0.0161	30.6	-67.5893
Tl 190.794	0.3829b	ppb	0.9907	258.8	-15.2910
V 292.401	-0.0356b	ppb	0.1806	507.6	-10.6775
Zn 206.200	1.5748b	ppb	1.0882	69.1	1.6567

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/7/2013, 6:27:14 PM Rack 1, Tube 25  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	485.861	488.824	482.888
Al 308.215	4791.46	4802.67	4797.66
As 188.980	495.177	489.340	479.924
B 249.678	493.123	492.064	491.764
Ba 389.178	5030.61	5032.19	5020.38
Be 313.042	504.278	504.812	503.749
Ca 370.602	4951	4939	4933
Cd 226.502	509.869	509.152	507.852
Co 228.615	515.229	514.912	511.329
Cr 267.716	5075.28	5065.34	5050.52
Cu 324.754	4897.63	5029.21	4939.57
Fe 271.441	4880.43	4854.91	4855.69
K 766.491	9942.95	9932.04	9962.88
Mg 279.078	4881.04	4876.36	4876.30
Mn 257.610	5178.04	5151.90	5152.32
Mo 202.032	493.313	490.772	492.124
Na 330.237	7187.11	7272.79	6939.33
Ni 231.604	2562.22	2568.05	2557.06
Pb 220.353	486.047	489.872	482.443
Sb 206.834	950.130	954.960	949.431
Se 196.026	4868.10	4866.04	4826.32
Sn 189.925	4953.61	5017.70	4932.87
Sr 216.596	2480.97	2478.21	2473.58
Ti 334.941	485.815	484.424	484.031
Tl 190.794	4954.49	4924.19	4922.10
V 292.401	4882.99	4870.43	4859.30
Zn 206.200	2570.51	2571.93	2560.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	485.858	ppb	2.9676	0.6	39210.9	97.17157
Al 308.215	4797.26	ppb	5.6182	0.1	22314.9	95.94522
As 188.980	488.147	ppb	7.6961	1.6	227.053	97.62936
B 249.678	492.317	ppb	0.7138	0.1	6798.97	19.69268Q
Ba 389.178	5027.72	ppb	6.4131	0.1	116851	100.55447
Be 313.042	504.280	ppb	0.5318	0.1	957015	100.85593
Ca 370.602	4941	ppb	9.190	0.2	15763	98.82081
Cd 226.502	508.958	ppb	1.0224	0.2	21156.6	101.79150
Co 228.615	513.823	ppb	2.1656	0.4	6962.10	102.76469
Cr 267.716	5063.71	ppb	12.4594	0.2	267496	101.27428
Cu 324.754	4955.47	ppb	67.2156	1.4	234036	99.10944
Fe 271.441	4863.67	ppb	14.5114	0.3	9317.88	97.27350
K 766.491	9945.96	ppb	15.6378	0.2	383684	99.45956
Mg 279.078	4877.90	ppb	2.7174	0.1	11313.4	97.55803
Mn 257.610	5160.75	ppb	14.9739	0.3	1379785	103.21506
Mo 202.032	492.070	ppb	1.2715	0.3	4028.88	98.41393
Na 330.237	7133.08	ppb	173.171	2.4	431.942	95.10768
Ni 231.604	2562.45	ppb	5.4987	0.2	7945.69	102.49780
Pb 220.353	486.121	ppb	3.7153	0.8	1042.54	97.22412
Sb 206.834	951.507	ppb	3.0105	0.3	1237.54	95.15068
Se 196.026	4853.49	ppb	23.5460	0.5	2697.70	97.06973
Sn 189.925	4968.06	ppb	44.2225	0.9	5029.14	99.36121
Sr 216.596	2477.59	ppb	3.7333	0.2	31816.9	99.10348
Ti 334.941	484.757	ppb	0.9376	0.2	148957	96.95134
Tl 190.794	4933.59	ppb	18.1272	0.4	5457.48	98.67187
V 292.401	4870.91	ppb	11.8485	0.2	142307	97.41811
Zn 206.200	2567.49	ppb	6.5061	0.3	4169.19	102.69944

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/7/2013, 6:32:38 PM Rack 1, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3499u	-0.1777u	-0.1674u
Al 308.215	0.1142	-3.4118u	-0.5200u
As 188.980	-0.9773u	-5.0588u	1.4324
B 249.678	6.6862	6.5128	5.8800
Ba 389.178	-0.0352u	-0.4116u	-0.1690u
Be 313.042	-0.0011u	0.0011	-0.0046u
Ca 370.602	-1.312u	-1.142u	-2.370u
Cd 226.502	-0.2671u	-0.1542u	-0.1190u
Co 228.615	-0.0961u	-0.1359u	-0.6430u
Cr 267.716	-0.2875u	-0.2499u	-0.2643u
Cu 324.754	0.1015	-0.0180u	-0.2435u
Fe 271.441	-1.8482u	2.7014	-5.9210u
K 766.491	-2.1885u	-2.4290u	-2.6377u
Mg 279.078	-0.3704u	-2.0614u	-1.9056u
Mn 257.610	-0.1084u	-0.0795u	-0.0447u
Mo 202.032	0.0929	-0.4855u	0.1358
Na 330.237	-46.7227u	-223.299u	-34.0883u
Ni 231.604	0.4719	1.1807	-0.4850u
Pb 220.353	0.1404	-3.1543u	0.7961
Sb 206.834	7.0847	3.1805	1.3961
Se 196.026	-0.5449u	-0.2254u	-0.1819u
Sn 189.925	-1.2887u	-0.5693u	-0.5565u
Sr 216.596	-0.5006u	-0.1852u	-0.1805u
Ti 334.941	0.0703	0.0633	0.0358
Tl 190.794	2.0666	1.2886	1.3420
V 292.401	-0.0957u	-0.0162u	-0.0420u
Zn 206.200	0.8197	0.8430	-1.0825u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2317	ppb	0.1025	44.2	-39.7190	-0.23169
Al 308.215	-1.2725	ppb	1.8796	147.7	66.3981	-1.27255
As 188.980	-1.5346	ppb	3.2813	213.8	-7.4627	-1.53458
B 249.678	6.3597	ppb	0.4243	6.7	233.130	6.35967
Ba 389.178	-0.2053	ppb	0.1908	93.0	0.7647	-0.20527
Be 313.042	-0.0016	ppb	0.0029	183.4	-379.964	-0.00156
Ca 370.602	-1.608	ppb	0.6651	41.4	2.592	-1.60794
Cd 226.502	-0.1801	ppb	0.0774	43.0	29.8018	-0.18013
Co 228.615	-0.2917	ppb	0.3049	104.5	3.5637	-0.29171
Cr 267.716	-0.2673	ppb	0.0190	7.1	3.3580	-0.26726
Cu 324.754	-0.0533	ppb	0.1752	328.5	260.638	-0.05333
Fe 271.441	-1.6893	ppb	4.3134	255.3	104.545	-1.68928
K 766.491	-2.4184	ppb	0.2248	9.3	277.372	-2.41842
Mg 279.078	-1.4458	ppb	0.9346	64.6	35.7981	-1.44580
Mn 257.610	-0.0776	ppb	0.0319	41.1	53.0843	-0.07756
Mo 202.032	-0.0856	ppb	0.3470	405.3	16.1793	-0.08562
Na 330.237	-101.370	ppb	105.782	104.4	63.4318	-101.37010
Ni 231.604	0.3892	ppb	0.8359	214.8	-4.6349	0.38921
Pb 220.353	-0.7393	ppb	2.1170	286.4	30.1040	-0.73925
Sb 206.834	3.8871	ppb	2.9094	74.8	8.4250	3.88709
Se 196.026	-0.3174	ppb	0.1982	62.5	11.5870	-0.31739
Sn 189.925	-0.8048	ppb	0.4191	52.1	-13.3008	-0.80481
Sr 216.596	-0.2888	ppb	0.1835	63.5	16.5652	-0.28880
Ti 334.941	0.0565	ppb	0.0182	32.2	-24.3812	0.05646
Tl 190.794	1.5658	ppb	0.4346	27.8	-13.9477	1.56576
V 292.401	-0.0513	ppb	0.0406	79.1	-10.1116	-0.05130
Zn 206.200	0.1934	ppb	1.1950	571.3	0.5939	0.19340

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89727-a-12-d (Samp)**      **5/7/2013, 6:38:01 PM**      **Rack 1, Tube 27****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2527u	-0.0657u	-0.1115u
Al 308.215	47.8210	47.5223	49.7420
As 188.980	4.4446	4.2569	-3.2460u
B 249.678	45.7364	47.0880	46.3913
Ba 389.178	27.0039	27.1813	28.0963
Be 313.042	0.0011u	0.0060u	0.0077
Ca 370.602	505.6	506.8	506.7
Cd 226.502	-0.1040u	-0.1305u	-0.2480u
Co 228.615	0.0860	0.5508	-0.0149u
Cr 267.716	0.0750	0.1629	0.0359
Cu 324.754	0.2199	0.5206	0.0005
Fe 271.441	5.6569	4.9945	8.1339
K 766.491	155.155	154.755	154.517
Mg 279.078	242.000	240.638	240.764
Mn 257.610	0.4298	0.4372	0.4709
Mo 202.032	-0.1090u	0.2514	0.0752
Na 330.237	125000x	124981x	123996x
Ni 231.604	0.8392	0.5480	0.1093
Pb 220.353	4.1474	3.1913	3.7529
Sb 206.834	-3.2067u	-0.1904u	0.8116
Se 196.026	8.2774	5.9590	4.6867
Sn 189.925	-0.0725u	0.4647	1.4467
Sr 216.596	3.9229	3.9798	3.8427
Ti 334.941	-0.0125u	-0.0378u	0.0059u
Tl 190.794	1.3792	-2.2353u	0.5184
V 292.401	-0.1111u	0.1197	0.1968
Zn 206.200	2.2746	1.6357	2.1552

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1433b	ppb	0.0975	68.0	-32.7892
Al 308.215	48.3618b	ppb	1.2046	2.5	296.709
As 188.980	1.8185b	ppb	4.3870	241.2	-5.8529
B 249.678	46.4052b	ppb	0.6759	1.5	774.728
Ba 389.178	27.4272b	ppb	0.5862	2.1	643.415
Be 313.042	0.0049b	ppb	0.0035	70.2	-382.039
Ca 370.602	506.4b	ppb	0.6653	0.1	1634
Cd 226.502	-0.1608b	ppb	0.0767	47.7	29.8544
Co 228.615	0.2073b	ppb	0.3017	145.6	10.3039
Cr 267.716	0.0913b	ppb	0.0651	71.3	24.7526
Cu 324.754	0.2470b	ppb	0.2611	105.7	274.809
Fe 271.441	6.2618b	ppb	1.6548	26.4	119.463
K 766.491	154.809b	ppb	0.3224	0.2	6336.86
Mg 279.078	241.134b	ppb	0.7526	0.3	601.020
Mn 257.610	0.4460b	ppb	0.0219	4.9	194.574
Mo 202.032	0.0725b	ppb	0.1802	248.5	17.4716
Na 330.237	124659xb	ppb	574.369	0.5	6867.76
Ni 231.604	0.4988b	ppb	0.3674	73.7	-4.2946
Pb 220.353	3.6972b	ppb	0.4805	13.0	39.3295
Sb 206.834	-0.8618b	ppb	2.0916	242.7	2.5670
Se 196.026	6.3077b	ppb	1.8206	28.9	15.2515
Sn 189.925	0.6130b	ppb	0.7704	125.7	-11.8075
Sr 216.596	3.9151b	ppb	0.0689	1.8	70.7060
Ti 334.941	-0.0148b	ppb	0.0219	148.4	-55.7577
Tl 190.794	-0.1126b	ppb	1.8881	1677.4	-15.8125
V 292.401	0.0685b	ppb	0.1603	234.1	-7.6879
Zn 206.200	2.0218b	ppb	0.3397	117.8	23864

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89727-h-13-e (Samp) 5/7/2013, 6:43:25 PM Rack 1, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2157u	0.0552	-0.2985u
Al 308.215	61.4290	62.0472	62.1340
As 188.980	-0.2861u	1.7996	-1.7118u
B 249.678	51.2078	50.5485	51.1374
Ba 389.178	9.0638	8.8819	8.0856
Be 313.042	-0.0054u	-0.0011u	-0.0071u
Ca 370.602	619.0	622.1	620.3
Cd 226.502	-0.1418u	-0.0066u	0.1032
Co 228.615	-0.0610u	0.0647	0.7005
Cr 267.716	-0.0568u	0.0802	0.2245
Cu 324.754	0.6299	0.6343	0.2841
Fe 271.441	-1.5696u	5.3298	2.2011
K 766.491	150.019	150.450	149.535
Mg 279.078	416.088	411.003	412.697
Mn 257.610	0.4367	0.4447	0.4341
Mo 202.032	-0.2697u	-0.0831u	0.0922
Na 330.237	123249x	123438x	123825x
Ni 231.604	1.3049	0.2363	-0.3134u
Pb 220.353	0.7083	0.2286	2.0268
Sb 206.834	-0.0721u	0.2792	1.4407
Se 196.026	2.8579	5.4251	-1.4010u
Sn 189.925	1.2333	2.9856	-0.1887u
Sr 216.596	5.7935	6.4687	6.2980
Ti 334.941	0.0033u	-0.0509u	-0.0298u
Tl 190.794	-0.5445u	-0.2877u	-2.7211u
V 292.401	-0.3166u	0.1303	-0.1928u
Zn 206.200	4.8291	2.7748	3.2092

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1530b	ppb	0.1850	120.9	-33.6735
Al 308.215	61.8701b	ppb	0.3844	0.6	359.386
As 188.980	-0.0661b	ppb	1.7660	2673.0	-6.7550
B 249.678	50.9646b	ppb	0.3621	0.7	836.397
Ba 389.178	8.6771b	ppb	0.5203	6.0	208.229
Be 313.042	-0.0045b	ppb	0.0031	67.6	-399.849
Ca 370.602	620.5b	ppb	1.559	0.3	2001
Cd 226.502	-0.0151b	ppb	0.1227	813.5	35.8929
Co 228.615	0.2347b	ppb	0.4082	173.9	10.6771
Cr 267.716	0.0826b	ppb	0.1406	170.2	24.2724
Cu 324.754	0.5161b	ppb	0.2010	38.9	287.505
Fe 271.441	1.9871b	ppb	3.4546	173.9	111.491
K 766.491	150.001b	ppb	0.4578	0.3	6151.56
Mg 279.078	413.263b	ppb	2.5891	0.6	1002.10
Mn 257.610	0.4385b	ppb	0.0056	1.3	194.202
Mo 202.032	-0.0868b	ppb	0.1810	208.4	16.1695
Na 330.237	123504xb	ppb	293.809	0.2	6804.77
Ni 231.604	0.4093b	ppb	0.8229	201.1	-4.5726
Pb 220.353	0.9879b	ppb	0.9311	94.3	33.6967
Sb 206.834	0.5493b	ppb	0.7917	144.1	4.3095
Se 196.026	2.2940b	ppb	3.4478	150.3	13.0315
Sn 189.925	1.3434b	ppb	1.5900	118.4	-11.0668
Sr 216.596	6.1867b	ppb	0.3511	5.7	99.9279
Ti 334.941	-0.0258b	ppb	0.0273	106.0	-58.1819
Tl 190.794	-1.1844b	ppb	1.3370	112.9	-17.0028
V 292.401	-0.1264b	ppb	0.2307	182.6	-13.3730
Zn 206.200	3.6044b	ppb	1.0827	30.0	4.9660

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89727-a-15-e (Samp) 5/7/2013, 6:48:50 PM Rack 1, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2236u	-0.2173u	-0.1830u
Al 308.215	33.2760	30.0391	30.6181
As 188.980	3.1521	9.7641	-1.6829u
B 249.678	59.8067	58.4830	59.9760
Ba 389.178	21.8098	20.8930	21.6778
Be 313.042	-0.0000u	0.0068u	0.0119
Ca 370.602	1002	978.1	990.5
Cd 226.502	-0.0809u	-0.0382u	-0.1073u
Co 228.615	0.2541	0.5379	0.3974
Cr 267.716	0.0781	-0.0003	0.1388
Cu 324.754	0.4056	0.6313	0.5151
Fe 271.441	-3.2271u	3.7492	5.4602
K 766.491	178.483	176.868	178.238
Mg 279.078	164.547	165.234	171.588
Mn 257.610	6.3440	6.1993	6.3001
Mo 202.032	-0.1763u	0.0653	-0.0649u
Na 330.237	169399x	164561x	166352x
Ni 231.604	0.2117	-0.6735u	0.1211
Pb 220.353	0.9913	2.3263	-0.1645u
Sb 206.834	0.5142	1.4091	3.5606
Se 196.026	4.2101	0.6164	0.2507
Sn 189.925	-1.8370u	-1.3315u	1.2047
Sr 216.596	6.6328	6.8352	6.6036
Ti 334.941	0.0556	0.0060u	0.0262u
Tl 190.794	-2.8683u	0.3396	0.0233
V 292.401	0.4697	-0.0526u	-0.2494u
Zn 206.200	2.1409	2.0696	2.7043

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2080b	ppb	0.0218	10.5	-38.1248
Al 308.215	31.3111b	ppb	1.7262	5.5	217.589
As 188.980	3.7444b	ppb	5.7464	153.5	-4.9269
B 249.678	59.4219b	ppb	0.8175	1.4	950.782
Ba 389.178	21.4602b	ppb	0.4956	2.3	504.580
Be 313.042	0.0062b	ppb	0.0060	95.9	-384.370
Ca 370.602	990.2b	ppb	11.99	1.2	3189
Cd 226.502	-0.0755b	ppb	0.0349	46.2	33.1116
Co 228.615	0.3965b	ppb	0.1419	35.8	12.8640
Cr 267.716	0.0722b	ppb	0.0698	96.6	24.5987
Cu 324.754	0.5173b	ppb	0.1129	21.8	287.562
Fe 271.441	1.9941b	ppb	4.6019	230.8	111.532
K 766.491	177.863b	ppb	0.8705	0.5	7225.35
Mg 279.078	167.123b	ppb	3.8819	2.3	428.464
Mn 257.610	6.2811b	ppb	0.0742	1.2	1753.55
Mo 202.032	-0.0586b	ppb	0.1209	206.2	16.3997
Na 330.237	166771xb	ppb	2446.31	1.5	9164.51
Ni 231.604	-0.1136b	ppb	0.4871	428.9	-6.1949
Pb 220.353	1.0510b	ppb	1.2465	118.6	33.8287
Sb 206.834	1.8280b	ppb	1.5658	85.7	5.8870
Se 196.026	1.6924b	ppb	2.1881	129.3	12.7004
Sn 189.925	-0.6546b	ppb	1.6299	249.0	-13.0753
Sr 216.596	6.6905b	ppb	0.1261	1.9	106.461
Ti 334.941	0.0293b	ppb	0.0250	85.3	-46.1993
Tl 190.794	-0.8351b	ppb	1.7679	211.7	-16.6241
V 292.401	0.0559b	ppb	0.3716	665.0	-8.4085
Zn 206.200	2.3049b	ppb	0.3477	15.1	28474

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**680-89727-a-16-e (Samp)**      **5/7/2013, 6:54:14 PM**      **Rack 1, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3395u	-0.2682u	-0.0464u
Al 308.215	70.1636	70.1533	71.8759
As 188.980	-1.2416u	-0.4284u	3.4708
B 249.678	49.5246	50.1825	49.9680
Ba 389.178	42.2364	43.0575	41.9422
Be 313.042	0.0021u	-0.0010u	-0.0024u
Ca 370.602	586.2	590.3	581.3
Cd 226.502	-0.1160u	-0.1066u	0.0110u
Co 228.615	0.6193	0.3935	-0.1035u
Cr 267.716	0.3839	0.0131	0.2074
Cu 324.754	0.3807	0.4962	0.0065
Fe 271.441	11.2137	12.8280	12.0415
K 766.491	137.118	139.344	135.980
Mg 279.078	407.152	416.280	409.160
Mn 257.610	0.8408	0.8486	0.8082
Mo 202.032	-0.5501u	-0.9932u	-0.1631u
Na 330.237	158108x	159649x	157794x
Ni 231.604	1.3506	0.4521	0.6827
Pb 220.353	8.3962	5.1586	7.6174
Sb 206.834	0.0885	3.7652	2.6067
Se 196.026	-5.9225u	0.3191	-3.1502u
Sn 189.925	1.3743	-0.7556u	-1.3254u
Sr 216.596	6.8679	7.0972	7.2324
Ti 334.941	-0.1111u	-0.0723u	-0.0667u
Tl 190.794	0.9445	-0.1339u	-2.3252u
V 292.401	-0.2717u	0.0369u	-0.0178u
Zn 206.200	1.5393	1.8501	2.9694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2180b	ppb	0.1529	70.1	-38.9854
Al 308.215	70.7309b	ppb	0.9916	1.4	400.486
As 188.980	0.6003b	ppb	2.5190	419.6	-6.4360
B 249.678	49.8917b	ppb	0.3355	0.7	821.875
Ba 389.178	42.4120b	ppb	0.5780	1.4	992.019
Be 313.042	-0.0004b	ppb	0.0023	554.0	-396.131
Ca 370.602	585.9b	ppb	4.476	0.8	1889
Cd 226.502	-0.0706b	ppb	0.0708	100.3	33.4072
Co 228.615	0.3031b	ppb	0.3698	122.0	11.6056
Cr 267.716	0.2014b	ppb	0.1855	92.1	31.2435
Cu 324.754	0.2945b	ppb	0.2560	86.9	277.048
Fe 271.441	12.0278b	ppb	0.8072	6.7	130.233
K 766.491	137.481b	ppb	1.7108	1.2	5669.04
Mg 279.078	410.864b	ppb	4.7964	1.2	996.502
Mn 257.610	0.8325b	ppb	0.0214	2.6	299.327
Mo 202.032	-0.5688b	ppb	0.4154	73.0	12.2287
Na 330.237	158517xb	ppb	992.881	0.6	8714.38
Ni 231.604	0.8285b	ppb	0.4667	56.3	-3.2716
Pb 220.353	7.0574b	ppb	1.6899	23.9	46.3170
Sb 206.834	2.1535b	ppb	1.8798	87.3	6.2940
Se 196.026	-2.9179b	ppb	3.1273	107.2	10.1490
Sn 189.925	-0.2355b	ppb	1.4230	604.1	-12.6539
Sr 216.596	7.0658b	ppb	0.1843	2.6	111.235
Ti 334.941	-0.0834b	ppb	0.0242	29.0	-78.8995
Tl 190.794	-0.5048b	ppb	1.6661	330.0	-16.2490
V 292.401	-0.0842b	ppb	0.1647	195.6	-12.4139
Zn 206.200	2.1196b	ppb	0.7522	25.5	25460

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**680-89727-a-17-e (Samp)**                      **5/7/2013, 6:59:39 PM**                      **Rack 1, Tube 31**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0017u	-0.0108u	-0.1009u
Al 308.215	77.5956	76.0873	77.2909
As 188.980	-4.6803u	4.7272	6.1030
B 249.678	39.9763	39.1636	38.8519
Ba 389.178	9.1298	10.0466	10.0942
Be 313.042	0.0070u	0.0084u	0.0059u
Ca 370.602	584.0	582.5	582.0
Cd 226.502	-0.1569u	-0.0631u	-0.0772u
Co 228.615	0.4564	0.4776	0.5145
Cr 267.716	0.1173	0.1952	0.1602
Cu 324.754	0.6752	0.2136	0.5429
Fe 271.441	-1.3295u	0.4109	1.3571
K 766.491	150.178	147.794	149.251
Mg 279.078	388.674	387.936	388.503
Mn 257.610	0.5311	0.4859	0.5017
Mo 202.032	-0.6648u	-0.6627u	0.3394
Na 330.237	158651x	156731x	156681x
Ni 231.604	0.1805	0.4022	1.4266
Pb 220.353	-0.3752u	1.7312	1.8363
Sb 206.834	0.7444	2.1283	0.3129
Se 196.026	3.7552	1.5300	-3.0664u
Sn 189.925	-1.7183u	2.4383	-0.0597
Sr 216.596	6.0107	6.1988	5.7743
Ti 334.941	-0.0323u	-0.0427u	-0.0070u
Tl 190.794	-0.4978u	-1.3803u	-0.2436u
V 292.401	-0.2233u	-0.0878u	0.0279u
Zn 206.200	3.0292	0.9297	2.6211

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0367b	ppb	0.0560	152.6	-24.2642
Al 308.215	76.9913b	ppb	0.7976	1.0	429.524
As 188.980	2.0500b	ppb	5.8690	286.3	-5.7414
B 249.678	39.3306b	ppb	0.5805	1.5	679.052
Ba 389.178	9.7569b	ppb	0.5436	5.6	233.248
Be 313.042	0.0071b	ppb	0.0012	17.2	-381.673
Ca 370.602	582.8b	ppb	1.023	0.2	1880
Cd 226.502	-0.0991b	ppb	0.0506	51.1	32.1947
Co 228.615	0.4828b	ppb	0.0294	6.1	14.0402
Cr 267.716	0.1576b	ppb	0.0390	24.8	28.8978
Cu 324.754	0.4773b	ppb	0.2377	49.8	285.665
Fe 271.441	0.1462b	ppb	1.3627	932.2	108.099
K 766.491	149.074b	ppb	1.2021	0.8	6115.85
Mg 279.078	388.371b	ppb	0.3861	0.1	944.092
Mn 257.610	0.5062b	ppb	0.0230	4.5	211.859
Mo 202.032	-0.3294b	ppb	0.5792	175.9	14.1868
Na 330.237	157354xb	ppb	1123.13	0.7	8650.95
Ni 231.604	0.6698b	ppb	0.6648	99.3	-3.7642
Pb 220.353	1.0641b	ppb	1.2476	117.2	33.8557
Sb 206.834	1.0619b	ppb	0.9485	89.3	4.9475
Se 196.026	0.7396b	ppb	3.4788	470.4	12.1718
Sn 189.925	0.2201b	ppb	2.0924	950.6	-12.1920
Sr 216.596	5.9946b	ppb	0.2127	3.5	97.4603
Ti 334.941	-0.0274b	ppb	0.0183	67.1	-61.6965
Tl 190.794	-0.7072b	ppb	0.5966	84.4	-16.4725
V 292.401	-0.0944b	ppb	0.1257	133.2	-12.6782
Zn 206.200	2.1933b	ppb	1.1432	50.8	26652



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680-89727-a-18-e (Samp)      5/7/2013, 7:05:04 PM      Rack 1, Tube 32  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1883u	-0.0526u	-0.3848u
Al 308.215	82.4594	79.8311	80.2205
As 188.980	2.1858	1.0797	7.9606
B 249.678	58.0064	56.9562	58.1805
Ba 389.178	11.3149	12.0699	11.9448
Be 313.042	-0.0030u	0.0021u	0.0076u
Ca 370.602	795.4	777.9	791.5
Cd 226.502	-0.0044u	-0.0934u	0.0151u
Co 228.615	0.5710	0.1679	0.2977
Cr 267.716	0.0978	0.0580	0.0413
Cu 324.754	0.4134	-0.0827u	0.3260
Fe 271.441	-6.6100u	0.5152	-2.0689u
K 766.491	200.217	197.251	200.015
Mg 279.078	526.938	517.075	524.789
Mn 257.610	0.6339	0.5710	0.6705
Mo 202.032	-0.3918u	0.0504	0.0729
Na 330.237	161510x	157477x	160404x
Ni 231.604	0.8195	-0.0127u	0.7608
Pb 220.353	-2.1457u	0.2999	-0.4019u
Sb 206.834	1.4473	-1.0324u	-0.9746u
Se 196.026	0.4226	1.4197	2.8313
Sn 189.925	-0.3290u	0.9830	4.2073
Sr 216.596	6.7805	6.7412	6.8517
Ti 334.941	0.0212u	-0.0728u	-0.0068u
Tl 190.794	-0.8118u	1.3907	4.5140
V 292.401	0.1543	0.4002	-0.1238u
Zn 206.200	3.4699	4.5398	5.1757

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2086b	ppb	0.1670	80.1	-38.2132
Al 308.215	80.8370b	ppb	1.4185	1.8	447.395
As 188.980	3.7420b	ppb	3.6950	98.7	-4.9293
B 249.678	57.7144b	ppb	0.6623	1.1	927.691
Ba 389.178	11.7765b	ppb	0.4046	3.4	280.524
Be 313.042	0.0022b	ppb	0.0053	237.4	-391.192
Ca 370.602	788.3b	ppb	9.206	1.2	2540
Cd 226.502	-0.0276b	ppb	0.0578	209.8	35.1377
Co 228.615	0.3455b	ppb	0.2058	59.6	12.1726
Cr 267.716	0.0657b	ppb	0.0290	44.2	24.0897
Cu 324.754	0.2189b	ppb	0.2648	121.0	273.480
Fe 271.441	-2.7212b	ppb	3.6071	132.6	102.730
K 766.491	199.161b	ppb	1.6573	0.8	8046.18
Mg 279.078	522.934b	ppb	5.1864	1.0	1257.64
Mn 257.610	0.6251b	ppb	0.0504	8.1	244.898
Mo 202.032	-0.0895b	ppb	0.2621	292.8	16.1473
Na 330.237	159797xb	ppb	2084.30	1.3	8784.16
Ni 231.604	0.5225b	ppb	0.4645	88.9	-4.2211
Pb 220.353	-0.7492b	ppb	1.2593	168.1	30.0851
Sb 206.834	-0.1866b	ppb	1.4153	758.6	3.4010
Se 196.026	1.5579b	ppb	1.2103	77.7	12.6244
Sn 189.925	1.6205b	ppb	2.3343	144.1	-10.7697
Sr 216.596	6.7911b	ppb	0.0560	0.8	107.725
Ti 334.941	-0.0195b	ppb	0.0482	247.9	-58.8073
Tl 190.794	1.6976b	ppb	2.6761	157.6	-13.8019
V 292.401	0.1436b	ppb	0.2622	182.6	-5.7748
Zn 206.200	4.3951b	ppb	0.8620	19.6	6.2548

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680-89727-a-21-d (Samp) 5/7/2013, 7:10:30 PM Rack 1, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1794u	-0.1528u	-0.2686u
Al 308.215	76.6714	76.3451	69.0997
As 188.980	1.7776	1.1869	6.1348
B 249.678	61.0560	61.8868	61.5312
Ba 389.178	18.6251	19.4151	19.6369
Be 313.042	0.0053u	0.0017u	-0.0042u
Ca 370.602	649.5	653.0	644.2
Cd 226.502	-0.0174u	-0.1442u	-0.1596u
Co 228.615	0.1323	0.6203	-0.0797u
Cr 267.716	0.5021	0.3954	0.3272
Cu 324.754	0.5143	0.7574	0.4659
Fe 271.441	12.2684	18.0023	7.0562
K 766.491	157.644	159.674	156.736
Mg 279.078	392.805	394.877	388.918
Mn 257.610	1.0362	1.0514	1.0306
Mo 202.032	0.2554	-0.6494u	0.0333
Na 330.237	158708x	159124x	156605x
Ni 231.604	0.4845	0.7521	0.6431
Pb 220.353	0.8278	2.7603	3.0397
Sb 206.834	5.5312	5.3411	1.1202
Se 196.026	-0.7111u	3.7255	5.9990
Sn 189.925	0.3562	-0.9054u	0.4707
Sr 216.596	3.3586	4.1709	3.3649
Ti 334.941	-0.0235u	-0.0454u	-0.0535u
Tl 190.794	-1.3218u	-3.3508u	1.2196
V 292.401	0.4042	0.0006u	-0.0695u
Zn 206.200	3.8191	3.7558	1.1019

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2003b	ppb	0.0607	30.3	-37.3789
Al 308.215	74.0387b	ppb	4.2804	5.8	415.847
As 188.980	3.0331b	ppb	2.7023	89.1	-5.2700
B 249.678	61.4913b	ppb	0.4169	0.7	978.755
Ba 389.178	19.2257b	ppb	0.5318	2.8	453.273
Be 313.042	0.0009b	ppb	0.0048	506.2	-393.508
Ca 370.602	648.9b	ppb	4.443	0.7	2092
Cd 226.502	-0.1071b	ppb	0.0781	72.9	31.9009
Co 228.615	0.2243b	ppb	0.3589	160.0	10.5370
Cr 267.716	0.4082b	ppb	0.0882	21.6	42.1588
Cu 324.754	0.5792b	ppb	0.1563	27.0	290.483
Fe 271.441	12.4423b	ppb	5.4751	44.0	130.996
K 766.491	158.018b	ppb	1.5044	1.0	6460.52
Mg 279.078	392.200b	ppb	3.0254	0.8	953.008
Mn 257.610	1.0394b	ppb	0.0108	1.0	354.463
Mo 202.032	-0.1202b	ppb	0.4716	392.3	15.8954
Na 330.237	158146xb	ppb	1350.03	0.9	8694.09
Ni 231.604	0.6266b	ppb	0.1346	21.5	-3.8980
Pb 220.353	2.2093b	ppb	1.2045	54.5	36.2367
Sb 206.834	3.9975b	ppb	2.4936	62.4	8.5707
Se 196.026	3.0045b	ppb	3.4127	113.6	13.4247
Sn 189.925	-0.0261b	ppb	0.7636	2920.3	-12.4415
Sr 216.596	3.6315b	ppb	0.4672	12.9	67.0665
Ti 334.941	-0.0408b	ppb	0.0155	38.0	-65.8703
Tl 190.794	-1.1510b	ppb	2.2899	199.0	-16.9671
V 292.401	0.1118b	ppb	0.2557	228.8	-6.7113
Zn 206.200	2.8923b	ppb	1.5508	53.6	2.8051

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**680-89727-a-22-g (Samp)**      **5/7/2013, 7:15:56 PM**      **Rack 1, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1165u	-0.2423u	-0.5189u
Al 308.215	82.2925	80.5108	79.0610
As 188.980	3.2180	2.7940	4.3615
B 249.678	40.9387	39.7704	41.2630
Ba 389.178	16.3802	15.9754	16.0313
Be 313.042	-0.0004u	-0.0033u	-0.0046u
Ca 370.602	623.2	614.7	625.4
Cd 226.502	-0.0592u	0.0838	0.1879
Co 228.615	0.2620	0.4861	0.1994
Cr 267.716	0.3675	0.3668	0.3503
Cu 324.754	0.4659	0.0624	0.6296
Fe 271.441	12.0163	13.2799	11.1404
K 766.491	139.007	137.454	140.730
Mg 279.078	262.466	257.528	261.891
Mn 257.610	0.9173	0.8933	0.9108
Mo 202.032	-0.5333u	-1.0588u	0.2720
Na 330.237	160092x	157838x	160339x
Ni 231.604	1.5805	1.6575	1.3135
Pb 220.353	4.8655	6.1019	0.6638
Sb 206.834	-4.5083u	-3.3687u	-1.2746u
Se 196.026	-4.0542u	1.8597	2.4485
Sn 189.925	-0.1268u	0.3160	-1.3255u
Sr 216.596	3.1027	3.0587	3.1702
Ti 334.941	-0.0529u	-0.0894u	-0.0964u
Tl 190.794	1.8469	-2.0470u	-2.0580u
V 292.401	0.1119	0.1149	0.0427u
Zn 206.200	3.4997	2.0446	1.1853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2926b	ppb	0.2058	70.4	-44.8197
Al 308.215	80.6214b	ppb	1.6186	2.0	446.341
As 188.980	3.4578b	ppb	0.8108	23.4	-5.0666
B 249.678	40.6574b	ppb	0.7850	1.9	696.981
Ba 389.178	16.1290b	ppb	0.2193	1.4	380.975
Be 313.042	-0.0028b	ppb	0.0021	76.4	-400.643
Ca 370.602	621.1b	ppb	5.639	0.9	2002
Cd 226.502	0.0708b	ppb	0.1241	175.2	39.2660
Co 228.615	0.3158b	ppb	0.1508	47.7	11.7913
Cr 267.716	0.3615b	ppb	0.0097	2.7	39.7134
Cu 324.754	0.3860b	ppb	0.2919	75.6	281.353
Fe 271.441	12.1455b	ppb	1.0756	8.9	130.456
K 766.491	139.063b	ppb	1.6386	1.2	5730.03
Mg 279.078	260.629b	ppb	2.7004	1.0	646.427
Mn 257.610	0.9071b	ppb	0.0124	1.4	317.843
Mo 202.032	-0.4400b	ppb	0.6703	152.3	13.2813
Na 330.237	159423xb	ppb	1378.15	0.9	8763.78
Ni 231.604	1.5172b	ppb	0.1805	11.9	-1.1344
Pb 220.353	3.8771b	ppb	2.8506	73.5	39.7052
Sb 206.834	-3.0505b	ppb	1.6401	53.8	-0.1227
Se 196.026	0.0847b	ppb	3.5965	4248.3	11.8097
Sn 189.925	-0.3788b	ppb	0.8493	224.2	-12.7989
Sr 216.596	3.1106b	ppb	0.0562	1.8	60.3732
Ti 334.941	-0.0796b	ppb	0.0234	29.4	-78.5502
Tl 190.794	-0.7527b	ppb	2.2513	299.1	-16.5242
V 292.401	0.0898b	ppb	0.0409	45.5	-7.2636
Zn 206.200	2.2432b	ppb	1.1699	52.2	2.7471

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

mb 680-275733/1-a (Samp) 5/7/2013, 7:21:22 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0016u	-0.4370u	-0.1118u
Al 308.215	-0.6359u	-1.3256u	-0.8165u
As 188.980	3.4957	4.3741	-2.1875u
B 249.678	0.5679	0.6821	0.0371
Ba 389.178	-1.2961u	-0.0738u	-0.3813u
Be 313.042	-0.0066u	-0.0063u	-0.0144u
Ca 370.602	-2.084u	-4.417u	-6.724u
Cd 226.502	-0.0829u	-0.2081u	-0.1750u
Co 228.615	0.0207	0.4361	0.0251
Cr 267.716	-0.2814u	-0.2613u	-0.0965u
Cu 324.754	0.2156	-0.2645u	0.2779
Fe 271.441	-5.2756u	-1.9989u	-6.1936u
K 766.491	-1.8871u	-1.8427u	-2.2716u
Mg 279.078	-1.3117u	0.3662	2.4758
Mn 257.610	-0.2164u	-0.1773u	-0.1645u
Mo 202.032	-0.5577u	0.0982	0.7049
Na 330.237	-105.074u	116.761	-180.101u
Ni 231.604	-0.1342u	-0.4753u	-0.8344u
Pb 220.353	-1.1287u	0.5694	1.2494
Sb 206.834	1.4762	-0.5961u	2.1139
Se 196.026	-1.3769u	-7.3748u	-1.0436u
Sn 189.925	2.4325	-2.0760u	-0.3357u
Sr 216.596	0.1628	0.0411	-0.0333u
Ti 334.941	-0.0438u	-0.0154u	-0.0060u
Tl 190.794	-1.6255u	0.3629	-1.4971u
V 292.401	-0.0141u	0.2068	-0.2310u
Zn 206.200	0.1575	-1.3270u	2.0320

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1834	ppb	0.2264	123.4	-35.8463
Al 308.215	-0.9260	ppb	0.3577	38.6	68.0164
As 188.980	1.8941	ppb	3.5620	188.1	-5.8199
B 249.678	0.4290	ppb	0.3442	80.2	152.922
Ba 389.178	-0.5837	ppb	0.6358	108.9	-8.0256
Be 313.042	-0.0091	ppb	0.0046	50.6	-394.296
Ca 370.602	-4.408	ppb	2.320	52.6	-6.303
Cd 226.502	-0.1553	ppb	0.0649	41.8	30.8247
Co 228.615	0.1607	ppb	0.2386	148.5	9.6704
Cr 267.716	-0.2131	ppb	0.1015	47.6	6.2197
Cu 324.754	0.0763	ppb	0.2968	388.9	266.757
Fe 271.441	-4.4894	ppb	2.2051	49.1	99.3977
K 766.491	-2.0005	ppb	0.2358	11.8	293.479
Mg 279.078	0.5101	ppb	1.8978	372.0	40.3570
Mn 257.610	-0.1861	ppb	0.0270	14.5	24.0904
Mo 202.032	0.0818	ppb	0.6314	771.8	17.5481
Na 330.237	-56.1379	ppb	154.363	275.0	65.8990
Ni 231.604	-0.4813	ppb	0.3502	72.8	-7.3362
Pb 220.353	0.2300	ppb	1.2248	532.4	32.1190
Sb 206.834	0.9980	ppb	1.4168	142.0	4.8573
Se 196.026	-3.2651	ppb	3.5630	109.1	9.9566
Sn 189.925	0.0069	ppb	2.2737	32747.9	-12.4770
Sr 216.596	0.0569	ppb	0.0990	174.0	21.0168
Ti 334.941	-0.0217	ppb	0.0196	90.4	-48.4071
Tl 190.794	-0.9199	ppb	1.1128	121.0	-16.7077
V 292.401	-0.0128	ppb	0.2189	1713.8	-9.0087
Zn 206.200	0.2875	ppb	1.6833	585.5	0.4409

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

ics 680-275733/2-a (Samp) 5/7/2013, 7:26:59 PM Rack 1, Tube 36  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	108.932	108.759	107.915
Al 308.215	10013.9	10019.6	10027.2
As 188.980	228.199	219.678	212.923
B 249.678	396.888	397.152	399.190
Ba 389.178	212.538	209.736	211.593
Be 313.042	108.040	107.623	107.720
Ca 370.602	10081	10057	10083
Cd 226.502	109.209	109.469	109.039
Co 228.615	107.969	108.783	108.750
Cr 267.716	214.943	214.053	213.639
Cu 324.754	212.415	217.801	212.238
Fe 271.441	10195.5	10177.6	10181.7
K 766.491	11141.4	11068.8	11059.0
Mg 279.078	10296.1	10249.5	10277.7
Mn 257.610	1111.97	1108.44	1107.06
Mo 202.032	206.713	206.926	208.049
Na 330.237	9836.91	9849.27	9686.74
Ni 231.604	216.090	213.268	212.894
Pb 220.353	102.342	105.694	103.711
Sb 206.834	101.925	101.920	101.369
Se 196.026	204.506	200.876	194.165
Sn 189.925	408.578	408.724	410.239
Sr 216.596	208.632	208.668	208.283
Ti 334.941	204.840	204.222	204.092
Tl 190.794	84.5799	83.2523	86.2337
V 292.401	208.443	207.627	207.074
Zn 206.200	224.608	225.222	226.264

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	108.536	ppb	0.5443	0.5	8753.62
Al 308.215	10020.2	ppb	6.6919	0.1	46587.0
As 188.980	220.266	ppb	7.6551	3.5	98.7525
B 249.678	397.743	ppb	1.2595	0.3	5512.78
Ba 389.178	211.289	ppb	1.4256	0.7	4957.57
Be 313.042	107.794	ppb	0.2183	0.2	204291
Ca 370.602	10074	ppb	14.81	0.1	31610
Cd 226.502	109.239	ppb	0.2162	0.2	4604.26
Co 228.615	108.501	ppb	0.4606	0.4	1472.00
Cr 267.716	214.212	ppb	0.6665	0.3	11339.3
Cu 324.754	214.152	ppb	3.1616	1.5	10373.3
Fe 271.441	10184.9	ppb	9.3563	0.1	19128.8
K 766.491	11089.7	ppb	44.9950	0.4	427765
Mg 279.078	10274.4	ppb	23.4615	0.2	23959.3
Mn 257.610	1109.15	ppb	2.5326	0.2	296719
Mo 202.032	207.229	ppb	0.7181	0.3	1709.95
Na 330.237	9790.97	ppb	90.4827	0.9	595.704
Ni 231.604	214.084	ppb	1.7475	0.8	658.726
Pb 220.353	103.916	ppb	1.6852	1.6	247.700
Sb 206.834	101.738	ppb	0.3196	0.3	129.760
Se 196.026	199.849	ppb	5.2464	2.6	122.673
Sn 189.925	409.180	ppb	0.9196	0.2	402.763
Sr 216.596	208.528	ppb	0.2124	0.1	2696.47
Ti 334.941	204.384	ppb	0.3996	0.2	62821.4
Tl 190.794	84.6886	ppb	1.4937	1.8	76.0566
V 292.401	207.715	ppb	0.6887	0.3	6024.29
Zn 206.200	225.365	ppb	0.8359	0.4	266.961

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/7/2013, 7:32:26 PM Rack 1, Tube 37  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	481.420	483.068	480.101
Al 308.215	4770.32	4807.90	4789.31
As 188.980	498.780	502.332	502.065
B 249.678	494.759	501.420	499.163
Ba 389.178	5029.83	5058.79	5038.42
Be 313.042	505.376	504.880	505.926
Ca 370.602	4924	4974	4947
Cd 226.502	508.124	513.195	509.631
Co 228.615	513.996	517.602	514.708
Cr 267.716	5075.88	5108.78	5078.32
Cu 324.754	4992.44	5101.60	4859.69
Fe 271.441	4869.36	4901.05	4859.30
K 766.491	9997.62	10025.1	9985.27
Mg 279.078	4872.88	4904.44	4894.21
Mn 257.610	5184.80	5231.87	5177.22
Mo 202.032	488.098	496.112	492.759
Na 330.237	6918.19	7102.20	7061.04
Ni 231.604	2545.94	2578.85	2574.82
Pb 220.353	488.053	491.880	490.308
Sb 206.834	950.448	962.783	955.478
Se 196.026	4835.36	4878.26	4863.19
Sn 189.925	4985.87	4978.97	4993.66
Sr 216.596	2477.91	2499.50	2488.02
Ti 334.941	487.458	490.369	487.385
Tl 190.794	4939.03	4999.04	4969.80
V 292.401	4884.66	4909.16	4882.21
Zn 206.200	2563.26	2584.17	2578.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.530	ppb	1.4865	0.3	38860.0	96.30594
Al 308.215	4789.18	ppb	18.7894	0.4	22277.4	95.78354
As 188.980	501.059	ppb	1.9786	0.4	233.239	100.21184
B 249.678	498.448	ppb	3.3875	0.7	6881.85	19.93790Q
Ba 389.178	5042.35	ppb	14.8748	0.3	117191	100.84690
Be 313.042	505.394	ppb	0.5233	0.1	959130	101.07881
Ca 370.602	4948	ppb	25.22	0.5	15785	98.96125
Cd 226.502	510.317	ppb	2.6045	0.5	21213.0	102.06331
Co 228.615	515.436	ppb	1.9097	0.4	6983.94	103.08712
Cr 267.716	5087.66	ppb	18.3339	0.4	268761	101.75323
Cu 324.754	4984.58	ppb	121.151	2.4	235409	99.69154
Fe 271.441	4876.57	ppb	21.7880	0.4	9342.43	97.53143
K 766.491	10002.7	ppb	20.3734	0.2	385869	100.02652
Mg 279.078	4890.51	ppb	16.1035	0.3	11342.1	97.81020
Mn 257.610	5197.96	ppb	29.6090	0.6	1389733	103.95927
Mo 202.032	492.323	ppb	4.0251	0.8	4030.90	98.46461
Na 330.237	7027.14	ppb	96.5748	1.4	426.048	93.69521
Ni 231.604	2566.53	ppb	17.9538	0.7	7958.38	102.66140
Pb 220.353	490.080	ppb	1.9234	0.4	1050.77	98.01608
Sb 206.834	956.236	ppb	6.2023	0.6	1243.66	95.62363
Se 196.026	4858.94	ppb	21.7606	0.4	2700.72	97.17872
Sn 189.925	4986.17	ppb	7.3455	0.1	5047.51	99.72337
Sr 216.596	2488.48	ppb	10.8018	0.4	31956.7	99.53915
Ti 334.941	488.404	ppb	1.7020	0.3	150078	97.68079
Tl 190.794	4969.29	ppb	30.0056	0.6	5497.07	99.38580
V 292.401	4892.01	ppb	14.8998	0.3	142923	97.84018
Zn 206.200	2575.24	ppb	10.7828	0.4	4181.75	103.00941

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB)                      5/7/2013, 7:37:49 PM                      Rack 1, Tube 38  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3375u	0.3503	-0.0953u
Al 308.215	-3.0511u	1.6794	-1.1539u
As 188.980	-1.6785u	2.8225	2.6491
B 249.678	10.0815	8.1708	7.9692
Ba 389.178	-0.0378u	-0.8007u	-0.8541u
Be 313.042	-0.0083u	-0.0098u	-0.0020u
Ca 370.602	-1.692u	-3.244u	-1.072u
Cd 226.502	0.0372	-0.0296u	-0.1501u
Co 228.615	0.7040	0.2268	0.5174
Cr 267.716	-0.2408u	-0.1642u	-0.3297u
Cu 324.754	0.1883	0.5164	0.2257
Fe 271.441	1.2967	0.2703	-4.6442u
K 766.491	-2.0551u	-2.5780u	-1.7239u
Mg 279.078	0.1763	-1.8562u	-2.1565u
Mn 257.610	-0.1292u	-0.1554u	-0.1229u
Mo 202.032	0.0280	0.3909	0.5535
Na 330.237	-85.0521u	59.8609	-47.5265u
Ni 231.604	-0.3968u	0.0531	-0.7411u
Pb 220.353	0.7028	2.3761	1.6327
Sb 206.834	9.1525	6.9516	5.6850
Se 196.026	-2.3602u	1.0816	1.5511
Sn 189.925	1.0446	1.0087	2.4954
Sr 216.596	-0.4141u	0.0404	0.3061
Ti 334.941	0.0740	0.0634	0.0297
Tl 190.794	2.2440	-2.5515u	-0.0817u
V 292.401	-0.1478u	-0.3742u	-0.0535u
Zn 206.200	0.6406	1.4261	0.6136

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0275	ppb	0.3489	1269.3	-23.2179	-0.02749
Al 308.215	-0.8419	ppb	2.3806	282.8	68.4287	-0.84187
As 188.980	1.2644	ppb	2.5501	201.7	-6.1217	1.26437
B 249.678	8.7405	ppb	1.1657	13.3	265.331	8.74051
Ba 389.178	-0.5642	ppb	0.4567	80.9	-7.5724	-0.56420
Be 313.042	-0.0067	ppb	0.0042	62.0	-389.816	-0.00672
Ca 370.602	-2.003	ppb	1.119	55.9	1.313	-2.00278
Cd 226.502	-0.0475	ppb	0.0950	199.9	35.3001	-0.04750
Co 228.615	0.4827	ppb	0.2405	49.8	14.0173	0.48273
Cr 267.716	-0.2449	ppb	0.0829	33.8	4.5418	-0.24489
Cu 324.754	0.3101	ppb	0.1796	57.9	277.794	0.31012
Fe 271.441	-1.0257	ppb	3.1754	309.6	105.909	-1.02574
K 766.491	-2.1190	ppb	0.4306	20.3	288.910	-2.11902
Mg 279.078	-1.2788	ppb	1.2691	99.2	36.1885	-1.27878
Mn 257.610	-0.1358	ppb	0.0172	12.7	37.5130	-0.13582
Mo 202.032	0.3241	ppb	0.2690	83.0	19.5292	0.32412
Na 330.237	-24.2392	ppb	75.2108	310.3	67.6326	-24.23921
Ni 231.604	-0.3616	ppb	0.3983	110.1	-6.9647	-0.36159
Pb 220.353	1.5705	ppb	0.8384	53.4	34.9057	1.57052
Sb 206.834	7.2631	ppb	1.7546	24.2	12.5884	7.26306
Se 196.026	0.0908	ppb	2.1356	2351.3	11.8127	0.09083
Sn 189.925	1.5162	ppb	0.8481	55.9	-10.9454	1.51623
Sr 216.596	-0.0225	ppb	0.3642	1615.5	19.9847	-0.02254
Ti 334.941	0.0557	ppb	0.0231	41.5	-24.6220	0.05570
Tl 190.794	-0.1297	ppb	2.3981	1848.6	-15.8303	-0.12973
V 292.401	-0.1919	ppb	0.1648	85.9	-14.2919	-0.19185
Zn 206.200	0.8935	ppb	0.4615	51.7	0.5473	0.89346

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

lb 680-274429/21-h (Samp) 5/7/2013, 7:43:13 PM Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2022u	-0.1432u	-0.2015u
Al 308.215	-2.1773u	-0.6121u	0.3675
As 188.980	5.2822	-1.4671u	6.2604
B 249.678	17.2328	17.4979	17.5270
Ba 389.178	-0.4024u	0.6020	0.0775
Be 313.042	-0.0022u	-0.0052u	-0.0045u
Ca 370.602	115.4	114.0	113.2
Cd 226.502	-0.1211u	-0.1428u	0.0609
Co 228.615	0.4015	-0.2520u	0.2922
Cr 267.716	-0.1852u	-0.2225u	0.0567
Cu 324.754	0.4942	0.7799	0.7938
Fe 271.441	2.1904	-2.5848u	-4.8863u
K 766.491	39.9159	41.5097	40.7416
Mg 279.078	24.0216	25.7469	25.1104
Mn 257.610	-0.0646u	-0.0400u	-0.0620u
Mo 202.032	0.3507	-0.0741u	0.2318
Na 330.237	155685x	154770x	155441x
Ni 231.604	-0.4363u	-0.0925u	1.1540
Pb 220.353	1.0579	1.4372	3.8555
Sb 206.834	3.7417	1.0246	3.1186
Se 196.026	-2.6355u	-2.8229u	7.5455
Sn 189.925	-0.8996u	-1.5290u	-3.2480u
Sr 216.596	0.3664	0.8629	0.4912
Ti 334.941	0.0201u	-0.0145u	-0.0519u
Tl 190.794	0.1038	-0.4922u	-2.1989u
V 292.401	-0.2789u	-0.1714u	0.2291
Zn 206.200	3.2474	1.6703	2.1361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1823b	ppb	0.0339	18.6	-35.7614
Al 308.215	-0.8073b	ppb	1.2836	159.0	68.5665
As 188.980	3.3585b	ppb	4.2076	125.3	-5.1175
B 249.678	17.4192b	ppb	0.1621	0.9	382.708
Ba 389.178	0.0923b	ppb	0.5023	544.0	7.7501
Be 313.042	-0.0040b	ppb	0.0016	39.4	-402.674
Ca 370.602	114.2b	ppb	1.091	1.0	374.6
Cd 226.502	-0.0676b	ppb	0.1119	165.4	33.4996
Co 228.615	0.1473b	ppb	0.3500	237.7	9.4916
Cr 267.716	-0.1170b	ppb	0.1516	129.6	14.3486
Cu 324.754	0.6893b	ppb	0.1691	24.5	295.679
Fe 271.441	-1.7602b	ppb	3.6096	205.1	104.485
K 766.491	40.7224b	ppb	0.7971	2.0	1940.00
Mg 279.078	24.9596b	ppb	0.8725	3.5	97.3252
Mn 257.610	-0.0556b	ppb	0.0135	24.3	58.2405
Mo 202.032	0.1695b	ppb	0.2191	129.3	18.2648
Na 330.237	155299xb	ppb	473.969	0.3	8538.83
Ni 231.604	0.2084b	ppb	0.8368	401.5	-5.1960
Pb 220.353	2.1169b	ppb	1.5176	71.7	36.0424
Sb 206.834	2.6283b	ppb	1.4234	54.2	6.8710
Se 196.026	0.6957b	ppb	5.9328	852.8	12.1473
Sn 189.925	-1.8922b	ppb	1.2156	64.2	-14.3367
Sr 216.596	0.5735b	ppb	0.2583	45.0	27.6697
Ti 334.941	-0.0154b	ppb	0.0360	233.3	-59.6587
Tl 190.794	-0.8625b	ppb	1.1952	138.6	-16.6443
V 292.401	-0.0737b	ppb	0.2677	363.1	-12.1178
Zn 206.200	2.3513b	ppb	0.8103	34.5	2.9234



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

lb2 680-274429/22-f (Samp) 5/7/2013, 7:48:37 PM Rack 1, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0066	-0.1103u	-0.4604u
Al 308.215	1.9832	4.9070	5.2800
As 188.980	2.4944	3.2037	-5.1102u
B 249.678	83.1858	83.0318	84.6791
Ba 389.178	-0.0222u	-0.5450u	-0.1309u
Be 313.042	0.0062	-0.0088u	-0.0081u
Ca 370.602	546.4	544.0	555.1
Cd 226.502	-0.1239u	-0.0013u	-0.1189u
Co 228.615	0.2930	-0.1110u	-0.0926u
Cr 267.716	0.1712	0.1016	-0.0728u
Cu 324.754	0.1519	0.5605	0.4806
Fe 271.441	-0.5612u	-0.7913u	-5.3516u
K 766.491	88.2991	88.7665	90.8898
Mg 279.078	141.919	140.345	140.387
Mn 257.610	-0.0546u	-0.0582u	-0.0418u
Mo 202.032	-0.1078u	0.0774	-0.0552u
Na 330.237	4477.78	4781.87	4479.14
Ni 231.604	-0.2885u	0.6858	1.1563
Pb 220.353	-1.4589u	0.3631	-0.6227u
Sb 206.834	3.2041	-4.2994u	2.7328
Se 196.026	-2.2595u	-1.1297u	-6.3659u
Sn 189.925	1.0085	1.9439	3.7861
Sr 216.596	0.9887	1.1989	1.1433
Ti 334.941	0.0592	-0.0097u	-0.0341u
Tl 190.794	0.6604	-0.0327u	0.0099
V 292.401	0.2431	-0.1581u	-0.0217u
Zn 206.200	5.1330	5.2965	4.1516

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1880	ppb	0.2430	129.3	-36.2646
Al 308.215	4.0568	ppb	1.8054	44.5	91.0966
As 188.980	0.1960	ppb	4.6090	2351.8	-6.6299
B 249.678	83.6322	ppb	0.9099	1.1	1278.22
Ba 389.178	-0.2327	ppb	0.2759	118.6	0.5000
Be 313.042	-0.0036	ppb	0.0085	238.2	-384.073
Ca 370.602	548.5	ppb	5.852	1.1	1770
Cd 226.502	-0.0814	ppb	0.0694	85.3	33.8697
Co 228.615	0.0298	ppb	0.2281	766.0	7.9166
Cr 267.716	0.0666	ppb	0.1257	188.6	21.0886
Cu 324.754	0.3977	ppb	0.2165	54.4	281.908
Fe 271.441	-2.2347	ppb	2.7018	120.9	103.580
K 766.491	89.3184	ppb	1.3807	1.5	3812.88
Mg 279.078	140.884	ppb	0.8966	0.6	367.445
Mn 257.610	-0.0515	ppb	0.0086	16.7	61.3601
Mo 202.032	-0.0286	ppb	0.0954	334.2	16.6457
Na 330.237	4579.60	ppb	175.179	3.8	318.694
Ni 231.604	0.5179	ppb	0.7369	142.3	-4.2357
Pb 220.353	-0.5728	ppb	0.9120	159.2	30.4505
Sb 206.834	0.5458	ppb	4.2027	769.9	4.3095
Se 196.026	-3.2517	ppb	2.7555	84.7	9.9640
Sn 189.925	2.2462	ppb	1.4132	62.9	-10.2023
Sr 216.596	1.1103	ppb	0.1089	9.8	34.6522
Ti 334.941	0.0051	ppb	0.0484	944.8	-39.8579
Tl 190.794	0.2125	ppb	0.3884	182.8	-15.4503
V 292.401	0.0211	ppb	0.2040	967.4	-7.9937
Zn 206.200	4.8604	ppb	0.6192	12.7	7.0135

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680-89660-a-1-n (Samp) 5/7/2013, 7:54:02 PM Rack 1, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1936u	-0.2522u	-0.1726u
Al 308.215	44.3609	44.4318	43.2601
As 188.980	12.8177	14.5774	5.0122
B 249.678	9.8692	9.1684	8.6117
Ba 389.178	94.8739	94.5654	95.2181
Be 313.042	0.0849	0.0906	0.0786
Ca 370.602	32257	32248	32309
Cd 226.502	3.5517	3.9096	3.7820
Co 228.615	3.0237	2.7119	3.1963
Cr 267.716	-0.0696	0.2815	0.0567
Cu 324.754	8.9258	8.4278	8.7816
Fe 271.441	982.901	975.842	984.247
K 766.491	684.951	687.357	689.337
Mg 279.078	2529.20	2533.55	2535.28
Mn 257.610	737.920	738.197	738.877
Mo 202.032	0.5424	-0.2751u	-0.0577u
Na 330.237	158764x	158578x	158077x
Ni 231.604	5.2588	3.6858	3.4875
Pb 220.353	178.221	174.936	175.855
Sb 206.834	-2.5179u	5.7842	2.6067
Se 196.026	1.9469	0.7069	-7.0799u
Sn 189.925	1.9808	-0.4984u	0.0109
Sr 216.596	170.078	169.042	170.035
Ti 334.941	0.0390	0.0774	0.0521
Tl 190.794	-0.5053u	-3.0860u	-0.3378u
V 292.401	-0.1537u	0.2317	0.1064
Zn 206.200	95.2411	95.9177	93.6900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2061b	ppb	0.0413	20.0	-42.4544
Al 308.215	44.0176b	ppb	0.6569	1.5	276.550
As 188.980	10.8024b	ppb	5.0910	47.1	-1.3465
B 249.678	9.2164b	ppb	0.6301	6.8	270.445
Ba 389.178	94.8858b	ppb	0.3265	0.3	2218.12
Be 313.042	0.0847b	ppb	0.0060	7.1	-223.753
Ca 370.602	32271b	ppb	33.00	0.1	103636
Cd 226.502	3.7478b	ppb	0.1814	4.8	195.358
Co 228.615	2.9773b	ppb	0.2455	8.2	47.7057
Cr 267.716	0.0895b	ppb	0.1778	198.6	29.0418
Cu 324.754	8.7117b	ppb	0.2562	2.9	674.456
Fe 271.441	980.997b	ppb	4.5142	0.5	1938.33
K 766.491	687.215b	ppb	2.1965	0.3	26855.6
Mg 279.078	2532.68b	ppb	3.1304	0.1	5927.78
Mn 257.610	738.331b	ppb	0.4922	0.1	197482
Mo 202.032	0.0699b	ppb	0.4234	605.9	17.3949
Na 330.237	158473xb	ppb	355.292	0.2	8710.86
Ni 231.604	4.1440b	ppb	0.9705	23.4	7.0407
Pb 220.353	176.338b	ppb	1.6950	1.0	398.485
Sb 206.834	1.9577b	ppb	4.1889	214.0	6.0765
Se 196.026	-1.4753b	ppb	4.8931	331.7	11.1571
Sn 189.925	0.4978b	ppb	1.3093	263.0	-11.8935
Sr 216.596	169.718b	ppb	0.5861	0.3	2207.64
Ti 334.941	0.0562b	ppb	0.0195	34.7	-25.3599
Tl 190.794	-1.3097b	ppb	1.5406	117.6	-18.3972
V 292.401	0.0615b	ppb	0.1966	319.9	-8.1513
Zn 206.200	94.9496b	ppb	1.1421	1.2	153.994

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**680-89498-a-21-i (Samp)**      **5/7/2013, 7:59:38 PM**      **Rack 1, Tube 42****Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3802u	0.1243	-0.2952u
Al 308.215	7.0562	7.6924	8.0926
As 188.980	51.0668	51.9523	45.6911
B 249.678	57.7974	57.2686	58.1595
Ba 389.178	13.1096	13.4435	13.0127
Be 313.042	0.0012u	-0.0012u	0.0101u
Ca 370.602	761.4	767.7	765.5
Cd 226.502	127.628	127.475	127.375
Co 228.615	15.5458	15.0780	15.7851
Cr 267.716	185.115	185.694	185.276
Cu 324.754	0.9597	1.2296	0.8217
Fe 271.441	-4.9544u	-0.6432	-2.8572u
K 766.491	267.276	267.009	265.057
Mg 279.078	131.508	137.884	135.819
Mn 257.610	1.3856	1.3414	1.3427
Mo 202.032	2.9622	2.1445	2.1451
Na 330.237	293466x	295542x	296320x
Ni 231.604	22.2779	21.8466	21.6979
Pb 220.353	28.2028	29.0895	28.2909
Sb 206.834	-0.2820	-0.7535	-0.4084
Se 196.026	6.0143	-2.0881u	-0.6957u
Sn 189.925	-3.0560u	-0.9155u	1.1265
Sr 216.596	3.3986	2.9126	3.2583
Ti 334.941	-0.0376u	0.0530u	0.0018u
Tl 190.794	-4.6731u	-1.6090u	3.8152
V 292.401	0.4113u	-0.2724u	0.0152u
Zn 206.200	36.7101	37.3681	36.6486

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1837b	ppb	0.2701	147.0	-36.0077
Al 308.215	7.6138b	ppb	0.5227	6.9	107.900
As 188.980	49.5701b	ppb	3.3884	6.8	17.0278
B 249.678	57.7418b	ppb	0.4481	0.8	928.061
Ba 389.178	13.1886b	ppb	0.2260	1.7	312.325
Be 313.042	0.0034b	ppb	0.0060	177.5	-405.226
Ca 370.602	764.9b	ppb	3.154	0.4	2465
Cd 226.502	127.492b	ppb	0.1276	0.1	5321.17
Co 228.615	15.4697b	ppb	0.3597	2.3	217.178
Cr 267.716	185.362b	ppb	0.2986	0.2	9814.31
Cu 324.754	1.0037b	ppb	0.2075	20.7	310.576
Fe 271.441	-2.8182b	ppb	2.1559	76.5	105.506
K 766.491	266.447b	ppb	1.2116	0.5	10639.4
Mg 279.078	135.070b	ppb	3.2531	2.4	353.871
Mn 257.610	1.3565b	ppb	0.0251	1.9	435.909
Mo 202.032	2.4173b	ppb	0.4719	19.5	36.6410
Na 330.237	295109xb	ppb	1475.47	0.5	16163.8
Ni 231.604	21.9408b	ppb	0.3013	1.4	62.2410
Pb 220.353	28.5277b	ppb	0.4885	1.7	90.9465
Sb 206.834	-0.4813b	ppb	0.2440	50.7	5.2368
Se 196.026	1.0769b	ppb	4.3322	402.3	12.3585
Sn 189.925	-0.9483b	ppb	2.0915	220.5	-13.3178
Sr 216.596	3.1899b	ppb	0.2501	7.8	60.8563
Ti 334.941	0.0058b	ppb	0.0454	789.0	-64.5719
Tl 190.794	-0.8223b	ppb	4.2985	522.7	-16.5943
V 292.401	0.0514b	ppb	0.3433	668.3	-22.3068
Zn 206.200	36.9089b	ppb	0.3988	1.1	58.6694

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**680-89498-a-21-j ms (Samp) 5/7/2013, 8:05:04 PM Rack 1, Tube 43****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	112.940	113.619	113.519
Al 308.215	1038.47	1045.31	1039.26
As 188.980	159.893	153.379	158.487
B 249.678	243.892	246.858	247.761
Ba 389.178	114.991	115.224	116.449
Be 313.042	107.126	107.750	107.636
Ca 370.602	10777	10805	10787
Cd 226.502	209.953	211.308	210.757
Co 228.615	120.316	121.095	121.225
Cr 267.716	258.597	259.791	259.376
Cu 324.754	107.197	107.979	107.502
Fe 271.441	10262.3	10309.4	10274.7
K 766.491	13090.0	13122.3	13102.4
Mg 279.078	10216.5	10256.7	10234.7
Mn 257.610	1114.12	1119.57	1117.28
Mo 202.032	106.135	106.128	106.941
Na 330.237	246397x	247671x	247293x
Ni 231.604	126.608	124.343	123.411
Pb 220.353	125.042	127.524	128.100
Sb 206.834	100.551	102.181	106.878
Se 196.026	113.433	107.676	107.291
Sn 189.925	100.175	98.4763	100.470
Sr 216.596	107.426	108.446	107.744
Ti 334.941	101.945	102.587	102.587
Tl 190.794	24.9831	21.9904	21.1164
V 292.401	104.672	104.470	104.459
Zn 206.200	142.168	141.757	140.156

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	113.359b	ppb	0.3667	0.3	9147.95
Al 308.215	1041.01b	ppb	3.7413	0.4	4912.74
As 188.980	157.253b	ppb	3.4280	2.2	68.5854
B 249.678	246.170b	ppb	2.0242	0.8	3462.66
Ba 389.178	115.555b	ppb	0.7833	0.7	2732.59
Be 313.042	107.504b	ppb	0.3320	0.3	203730
Ca 370.602	10790b	ppb	14.32	0.1	33881
Cd 226.502	210.673b	ppb	0.6816	0.3	8808.51
Co 228.615	120.879b	ppb	0.4917	0.4	1640.56
Cr 267.716	259.255b	ppb	0.6060	0.2	13723.3
Cu 324.754	107.559b	ppb	0.3945	0.4	5342.60
Fe 271.441	10282.1b	ppb	24.3916	0.2	19311.4
K 766.491	13104.9b	ppb	16.2930	0.1	505428
Mg 279.078	10236.0b	ppb	20.0954	0.2	23872.4
Mn 257.610	1116.99b	ppb	2.7358	0.2	298812
Mo 202.032	106.402b	ppb	0.4674	0.4	885.903
Na 330.237	247120xb	ppb	654.324	0.3	13541.0
Ni 231.604	124.787b	ppb	1.6439	1.3	381.632
Pb 220.353	126.889b	ppb	1.6247	1.3	295.498
Sb 206.834	103.203b	ppb	3.2848	3.2	133.734
Se 196.026	109.467b	ppb	3.4406	3.1	72.6851
Sn 189.925	99.7070b	ppb	1.0760	1.1	88.8120
Sr 216.596	107.872b	ppb	0.5218	0.5	1408.19
Ti 334.941	102.373b	ppb	0.3703	0.4	31450.3
Tl 190.794	22.6966b	ppb	2.0278	8.9	7.1909
V 292.401	104.534b	ppb	0.1199	0.1	3015.05
Zn 206.200	141.361b	ppb	1.0628	0.8	229.878

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**680-89498-a-21-k msd (Samp) 5/7/2013, 8:10:29 PM Rack 1, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	101.753	102.130	101.557
Al 308.215	1024.46	1028.13	1020.92
As 188.980	151.880	143.896	152.033
B 249.678	245.632	246.229	245.796
Ba 389.178	113.210	113.183	113.444
Be 313.042	105.300	105.311	105.001
Ca 370.602	10602	10615	10560
Cd 226.502	210.337	211.407	209.634
Co 228.615	120.182	119.229	117.910
Cr 267.716	259.637	259.915	259.486
Cu 324.754	105.721	105.846	105.368
Fe 271.441	10084.3	10095.7	10050.6
K 766.491	12910.1	12851.0	12834.8
Mg 279.078	10034.7	10044.9	9994.63
Mn 257.610	1094.86	1095.94	1091.24
Mo 202.032	105.024	104.490	103.646
Na 330.237	251638x	251705x	250831x
Ni 231.604	123.761	122.725	123.164
Pb 220.353	123.403	128.601	125.264
Sb 206.834	100.001	103.937	100.360
Se 196.026	102.165	103.626	104.356
Sn 189.925	100.807	96.8922	97.7685
Sr 216.596	106.294	107.267	106.214
Ti 334.941	100.632	100.588	100.282
Tl 190.794	19.8786	19.9019	21.2346
V 292.401	102.786	102.416	102.324
Zn 206.200	138.547	138.960	135.330

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	101.813b	ppb	0.2913	0.3	8214.08
Al 308.215	1024.50b	ppb	3.6057	0.4	4835.95
As 188.980	149.270b	ppb	4.6546	3.1	64.7609
B 249.678	245.885b	ppb	0.3085	0.1	3459.09
Ba 389.178	113.279b	ppb	0.1431	0.1	2678.86
Be 313.042	105.204b	ppb	0.1756	0.2	199363
Ca 370.602	10592b	ppb	28.50	0.3	33263
Cd 226.502	210.459b	ppb	0.8927	0.4	8798.85
Co 228.615	119.107b	ppb	1.1412	1.0	1616.64
Cr 267.716	259.679b	ppb	0.2180	0.1	13745.6
Cu 324.754	105.645b	ppb	0.2477	0.2	5252.17
Fe 271.441	10076.9b	ppb	23.4558	0.2	18928.1
K 766.491	12865.3b	ppb	39.6165	0.3	496195
Mg 279.078	10024.8b	ppb	26.5835	0.3	23380.6
Mn 257.610	1094.01b	ppb	2.4644	0.2	292667
Mo 202.032	104.387b	ppb	0.6947	0.7	869.445
Na 330.237	251391xb	ppb	486.682	0.2	13774.0
Ni 231.604	123.217b	ppb	0.5200	0.4	376.753
Pb 220.353	125.756b	ppb	2.6338	2.1	293.141
Sb 206.834	101.433b	ppb	2.1760	2.1	131.557
Se 196.026	103.382b	ppb	1.1153	1.1	69.3122
Sn 189.925	98.4893b	ppb	2.0546	2.1	87.5780
Sr 216.596	106.592b	ppb	0.5862	0.5	1391.69
Ti 334.941	100.501b	ppb	0.1909	0.2	30873.5
Tl 190.794	20.3384b	ppb	0.7763	3.8	4.6199
V 292.401	102.509b	ppb	0.2444	0.2	2956.00
Zn 206.200	137.612b	ppb	1.9873	1.4	223.742

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

lb 680-274576/12-f (Samp) 5/7/2013, 8:16:05 PM Rack 1, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3865u	-0.0669u	-0.2290u
Al 308.215	-1.1520u	-4.3600u	-1.2074u
As 188.980	3.5589	1.2019	-0.6154u
B 249.678	15.9769	15.5156	15.2978
Ba 389.178	-0.3818u	-0.3097u	-0.3672u
Be 313.042	-0.0055u	-0.0000u	-0.0045u
Ca 370.602	94.03	95.30	97.52
Cd 226.502	0.0308	0.0261	-0.0025u
Co 228.615	0.2570	0.2109	-0.4812u
Cr 267.716	-0.3255u	-0.3035u	-0.1066u
Cu 324.754	0.6272	0.4608	0.1496
Fe 271.441	0.8338	1.0831	2.1468
K 766.491	38.7265	38.7693	39.0008
Mg 279.078	19.2880	21.7884	22.5566
Mn 257.610	-0.0285u	-0.0304u	-0.0002u
Mo 202.032	0.0188	0.2349	0.5069
Na 330.237	159128x	158320x	158873x
Ni 231.604	0.4407	0.8882	0.7354
Pb 220.353	1.6921	1.3268	-0.5881u
Sb 206.834	1.2405	0.7394	1.7323
Se 196.026	-3.6630u	1.6219	-4.7001u
Sn 189.925	0.6756	-0.8260u	0.2374
Sr 216.596	0.1872	0.1495	-0.1512u
Ti 334.941	-0.0088u	-0.0045u	-0.0528u
Tl 190.794	-0.1488u	-1.4676u	1.1663
V 292.401	-0.0717u	-0.1010u	-0.0293u
Zn 206.200	3.0663	4.3684	3.9454

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2274b	ppb	0.1598	70.3	-39.3985
Al 308.215	-2.2398b	ppb	1.8364	82.0	61.9382
As 188.980	1.3818b	ppb	2.0929	151.5	-6.0648
B 249.678	15.5968b	ppb	0.3468	2.2	358.056
Ba 389.178	-0.3529b	ppb	0.0381	10.8	-2.5992
Be 313.042	-0.0033b	ppb	0.0029	87.0	-401.900
Ca 370.602	95.62b	ppb	1.766	1.8	314.7
Cd 226.502	0.0181b	ppb	0.0180	99.6	37.0421
Co 228.615	-0.0044b	ppb	0.4136	9343.1	7.4326
Cr 267.716	-0.2452b	ppb	0.1205	49.2	7.6416
Cu 324.754	0.4125b	ppb	0.2424	58.8	282.624
Fe 271.441	1.3546b	ppb	0.6973	51.5	110.271
K 766.491	38.8322b	ppb	0.1476	0.4	1867.16
Mg 279.078	21.2110b	ppb	1.7091	8.1	88.5901
Mn 257.610	-0.0197b	ppb	0.0169	86.0	67.7797
Mo 202.032	0.2535b	ppb	0.2446	96.5	18.9519
Na 330.237	158774xb	ppb	413.239	0.3	8728.35
Ni 231.604	0.6881b	ppb	0.2275	33.1	-3.7075
Pb 220.353	0.8103b	ppb	1.2247	151.2	33.3254
Sb 206.834	1.2374b	ppb	0.4965	40.1	5.1498
Se 196.026	-2.2471b	ppb	3.3905	150.9	10.5197
Sn 189.925	0.0290b	ppb	0.7722	2663.6	-12.3856
Sr 216.596	0.0618b	ppb	0.1854	300.0	21.0687
Ti 334.941	-0.0220b	ppb	0.0268	121.6	-61.9917
Tl 190.794	-0.1500b	ppb	1.3170	877.8	-15.8534
V 292.401	-0.0673b	ppb	0.0361	53.6	-11.9880
Zn 206.200	3.7933b	ppb	0.6642	17.5	5.2750

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

lb2 680-274576/13-e (Samp) 5/7/2013, 8:21:32 PM Rack 1, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0944	-0.1553u	-0.4678u
Al 308.215	2.2928	2.1708	2.5020
As 188.980	-1.2896u	-1.8439u	10.8358
B 249.678	85.5366	84.4929	85.3002
Ba 389.178	0.3807	0.4675	0.2194
Be 313.042	0.0039	-0.0096u	-0.0014u
Ca 370.602	572.4	571.3	573.2
Cd 226.502	1.2453	1.4251	1.1337
Co 228.615	0.1019	-0.3930u	0.4288
Cr 267.716	-0.0577u	0.0347	0.3589
Cu 324.754	2.8012	2.7250	2.9080
Fe 271.441	6.4494	12.2374	10.3158
K 766.491	96.3779	97.2684	97.8698
Mg 279.078	145.655	141.967	146.241
Mn 257.610	0.2023	0.2267	0.2025
Mo 202.032	-0.0751u	-0.4898u	-0.4372u
Na 330.237	4980.86	5060.71	5026.84
Ni 231.604	0.7135	0.2361	-0.3086u
Pb 220.353	1.8620	-0.8045u	-2.4818u
Sb 206.834	-0.0458u	1.1064	1.2639
Se 196.026	-4.9840u	-0.0645u	-2.7044u
Sn 189.925	0.9072	2.2712	-2.0438u
Sr 216.596	1.5258	1.3099	1.7189
Ti 334.941	0.0113	0.0580	-0.0063u
Tl 190.794	0.8908	1.4834	-0.9994u
V 292.401	-0.4177u	-0.0199u	-0.2140u
Zn 206.200	6.6831	5.3389	4.1172

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1762	ppb	0.2817	159.8	-35.3178
Al 308.215	2.3219	ppb	0.1675	7.2	83.0672
As 188.980	2.5674	ppb	7.1659	279.1	-5.4936
B 249.678	85.1099	ppb	0.5473	0.6	1298.19
Ba 389.178	0.3559	ppb	0.1259	35.4	14.2007
Be 313.042	-0.0024	ppb	0.0068	286.6	-381.890
Ca 370.602	572.3	ppb	0.9320	0.2	1846
Cd 226.502	1.2680	ppb	0.1470	11.6	89.8549
Co 228.615	0.0459	ppb	0.4138	901.7	8.1299
Cr 267.716	0.1120	ppb	0.2188	195.4	23.4835
Cu 324.754	2.8114	ppb	0.0919	3.3	395.801
Fe 271.441	9.6675	ppb	2.9479	30.5	125.785
K 766.491	97.1721	ppb	0.7506	0.8	4115.55
Mg 279.078	144.621	ppb	2.3169	1.6	376.151
Mn 257.610	0.2105	ppb	0.0140	6.7	131.487
Mo 202.032	-0.3340	ppb	0.2258	67.6	14.1483
Na 330.237	5022.80	ppb	40.0750	0.8	342.855
Ni 231.604	0.2137	ppb	0.5114	239.3	-5.1793
Pb 220.353	-0.4748	ppb	2.1906	461.4	30.6542
Sb 206.834	0.7748	ppb	0.7150	92.3	4.5899
Se 196.026	-2.5843	ppb	2.4620	95.3	10.3333
Sn 189.925	0.3782	ppb	2.2056	583.2	-12.0978
Sr 216.596	1.5182	ppb	0.2046	13.5	39.8924
Ti 334.941	0.0210	ppb	0.0332	158.2	-34.9850
Tl 190.794	0.4583	ppb	1.2967	282.9	-15.1786
V 292.401	-0.2172	ppb	0.1989	91.6	-15.0171
Zn 206.200	5.3797	ppb	1.2834	23.9	7.8613

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89748-b-6-e (Samp)

5/7/2013, 8:26:58 PM

Rack 1, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1872u	0.0138	-0.3192u
Al 308.215	43.7797	45.0487	45.3438
As 188.980	2.5691	-7.7858u	-2.5863u
B 249.678	54.6730	55.5579	54.9917
Ba 389.178	7.5982	7.6905	6.9874
Be 313.042	-0.0055u	-0.0116u	-0.0076u
Ca 370.602	1271	1286	1286
Cd 226.502	0.0077u	0.0043u	0.0252
Co 228.615	0.0110	-0.1371u	-0.4469u
Cr 267.716	-0.1773u	-0.1039u	-0.2318u
Cu 324.754	-0.0616u	0.4903	0.2717
Fe 271.441	8.7075	9.1920	8.5707
K 766.491	188.721	191.278	190.779
Mg 279.078	221.667	227.062	224.730
Mn 257.610	16.8205	17.0007	17.0189
Mo 202.032	0.2743	0.1088	-0.2172u
Na 330.237	157431x	158138x	158428x
Ni 231.604	0.1145	0.6729	-0.0298u
Pb 220.353	0.9906	3.2736	1.4001
Sb 206.834	1.5337	-5.8875u	-3.3008u
Se 196.026	-0.0963u	3.5797	-1.6452u
Sn 189.925	-0.5216u	-1.9008u	0.5366
Sr 216.596	9.5005	9.3330	10.0276
Ti 334.941	0.1845	0.3206	0.2175
Tl 190.794	-0.2350u	-3.4793u	-4.4026u
V 292.401	-0.5160u	-0.1787u	-0.2649u
Zn 206.200	7.7899	7.8077	7.0312

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1642b	ppb	0.1677	102.1	-34.6911
Al 308.215	44.7241b	ppb	0.8311	1.9	279.829
As 188.980	-2.6010b	ppb	5.1775	199.1	-7.9653
B 249.678	55.0742b	ppb	0.4482	0.8	891.969
Ba 389.178	7.4254b	ppb	0.3821	5.1	178.661
Be 313.042	-0.0083b	ppb	0.0031	37.6	-410.679
Ca 370.602	1281b	ppb	8.306	0.6	4123
Cd 226.502	0.0124b	ppb	0.0112	90.5	36.8422
Co 228.615	-0.1910b	ppb	0.2337	122.4	4.9319
Cr 267.716	-0.1710b	ppb	0.0642	37.5	11.6322
Cu 324.754	0.2335b	ppb	0.2779	119.0	274.175
Fe 271.441	8.8234b	ppb	0.3264	3.7	124.170
K 766.491	190.259b	ppb	1.3556	0.7	7703.10
Mg 279.078	224.486b	ppb	2.7055	1.2	561.937
Mn 257.610	16.9467b	ppb	0.1096	0.6	4605.46
Mo 202.032	0.0553b	ppb	0.2501	452.2	17.3315
Na 330.237	157999xb	ppb	512.876	0.3	8686.08
Ni 231.604	0.2525b	ppb	0.3711	147.0	-5.0587
Pb 220.353	1.8881b	ppb	1.2172	64.5	35.5725
Sb 206.834	-2.5515b	ppb	3.7669	147.6	0.4787
Se 196.026	0.6127b	ppb	2.6836	438.0	12.1062
Sn 189.925	-0.6286b	ppb	1.2222	194.4	-13.0527
Sr 216.596	9.6204b	ppb	0.3625	3.8	144.188
Ti 334.941	0.2409b	ppb	0.0710	29.5	19.8845
Tl 190.794	-2.7056b	ppb	2.1888	80.9	-18.7198
V 292.401	-0.3199b	ppb	0.1752	54.8	-19.3146
Zn 206.200	7.5430b	ppb	0.4433	137.5	511.3886



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89748-b-7-d (Samp) 5/7/2013, 8:32:24 PM Rack 1, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0255u	-0.0601u	-0.1572u
Al 308.215	2430.10	2466.92	2454.16
As 188.980	4.8502	8.1225	0.9046
B 249.678	60.8045	60.8040	61.3469
Ba 389.178	42.6240	42.8062	43.1498
Be 313.042	0.0295	0.0266	0.0281
Ca 370.602	1893	1923	1914
Cd 226.502	-0.0789u	-0.0340	-0.0275
Co 228.615	0.9611	0.1515	0.5207
Cr 267.716	2.0174	2.0265	1.8934
Cu 324.754	0.4956	0.8313	1.0696
Fe 271.441	643.192	646.724	647.653
K 766.491	406.435	409.019	406.856
Mg 279.078	329.742	338.236	336.011
Mn 257.610	1.7576	1.7367	1.7471
Mo 202.032	-0.4773u	-0.3520u	0.0194
Na 330.237	152728x	154478x	154401x
Ni 231.604	5.4398	4.0904	4.2287
Pb 220.353	3.5305	3.3425	3.7043
Sb 206.834	3.6559	1.8571	0.4818
Se 196.026	4.9946	-3.5957u	1.5757
Sn 189.925	2.2984	-0.4007u	1.9403
Sr 216.596	11.1720	11.6488	11.6151
Ti 334.941	119.327	129.147	115.193
Tl 190.794	-2.2134u	1.0888	-1.9934u
V 292.401	2.6699	2.7049	2.5769
Zn 206.200	3.3969	4.9644	3.9205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0809b	ppb	0.0683	84.3	-28.0866
Al 308.215	2450.39b	ppb	18.6954	0.8	11442.4
As 188.980	4.6258b	ppb	3.6142	78.1	-4.5035
B 249.678	60.9851b	ppb	0.3133	0.5	971.057
Ba 389.178	42.8600b	ppb	0.2670	0.6	1003.13
Be 313.042	0.0281b	ppb	0.0014	5.1	-340.844
Ca 370.602	1910b	ppb	15.24	0.8	6113
Cd 226.502	-0.0468b	ppb	0.0280	59.8	36.7801
Co 228.615	0.5444b	ppb	0.4053	74.4	18.5403
Cr 267.716	1.9791b	ppb	0.0743	3.8	125.478
Cu 324.754	0.7989b	ppb	0.2884	36.1	300.992
Fe 271.441	645.856b	ppb	2.3541	0.4	1312.78
K 766.491	407.437b	ppb	1.3861	0.3	16073.0
Mg 279.078	334.663b	ppb	4.4041	1.3	818.274
Mn 257.610	1.7471b	ppb	0.0105	0.6	545.167
Mo 202.032	-0.2700b	ppb	0.2583	95.7	14.6298
Na 330.237	153869xb	ppb	988.670	0.6	8459.62
Ni 231.604	4.5863b	ppb	0.7424	16.2	8.4058
Pb 220.353	3.5258b	ppb	0.1809	5.1	38.9461
Sb 206.834	1.9983b	ppb	1.5918	79.7	6.1444
Se 196.026	0.9916b	ppb	4.3248	436.2	12.3157
Sn 189.925	1.2793b	ppb	1.4659	114.6	-11.1180
Sr 216.596	11.4786b	ppb	0.2661	2.3	168.474
Ti 334.941	121.222b	ppb	7.1676	5.9	37200.8
Tl 190.794	-1.0393b	ppb	1.8463	177.6	-16.8783
V 292.401	2.6505b	ppb	0.0661	2.5	69.7006
Zn 206.200	4.0940b	ppb	0.7980	19.5	5.8304

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/7/2013, 8:37:49 PM Rack 1, Tube 49  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	488.735	476.716	484.040
Al 308.215	4761.65	4752.37	4790.52
As 188.980	511.160	502.013	493.961
B 249.678	498.591	494.354	496.314
Ba 389.178	5075.84	5029.92	5041.18
Be 313.042	509.018	503.126	507.769
Ca 370.602	4944	4922	4951
Cd 226.502	512.191	508.246	510.568
Co 228.615	518.780	513.541	516.417
Cr 267.716	5131.94	5081.11	5094.12
Cu 324.754	4964.93	4909.16	4980.90
Fe 271.441	4913.07	4870.66	4893.76
K 766.491	10091.0	9917.68	9940.67
Mg 279.078	4925.79	4883.00	4899.20
Mn 257.610	5222.09	5193.73	5207.53
Mo 202.032	492.504	490.509	492.708
Na 330.237	7127.97	7212.35	6931.13
Ni 231.604	2575.57	2555.31	2562.06
Pb 220.353	486.799	488.022	486.149
Sb 206.834	957.216	951.031	958.251
Se 196.026	4883.54	4833.10	4851.34
Sn 189.925	5005.54	4989.84	4965.31
Sr 216.596	2504.81	2484.40	2491.12
Ti 334.941	493.841	487.894	489.214
Tl 190.794	5021.96	4977.14	4960.62
V 292.401	4931.29	4881.29	4895.54
Zn 206.200	2592.46	2573.79	2568.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	483.164	ppb	6.0575	1.3	38991.6	96.63274
Al 308.215	4768.18	ppb	19.8961	0.4	22180.0	95.36357
As 188.980	502.378	ppb	8.6055	1.7	233.870	100.47565
B 249.678	496.420	ppb	2.1204	0.4	6854.39	19.85678Q
Ba 389.178	5048.98	ppb	23.9369	0.5	117345	100.97963
Be 313.042	506.638	ppb	3.1044	0.6	961491	101.32755
Ca 370.602	4939	ppb	15.36	0.3	15756	98.78384
Cd 226.502	510.335	ppb	1.9827	0.4	21213.9	102.06693
Co 228.615	516.246	ppb	2.6237	0.5	6994.88	103.24922
Cr 267.716	5102.39	ppb	26.4021	0.5	269539	102.04776
Cu 324.754	4951.67	ppb	37.6644	0.8	233856	99.03330
Fe 271.441	4892.50	ppb	21.2299	0.4	9372.40	97.84997
K 766.491	9983.11	ppb	94.1231	0.9	385116	99.83110
Mg 279.078	4902.67	ppb	21.6021	0.4	11370.3	98.05331
Mn 257.610	5207.79	ppb	14.1816	0.3	1392360	104.15576
Mo 202.032	491.907	ppb	1.2148	0.2	4027.47	98.38141
Na 330.237	7090.48	ppb	144.309	2.0	429.440	94.53979
Ni 231.604	2564.31	ppb	10.3171	0.4	7951.49	102.57257
Pb 220.353	486.990	ppb	0.9513	0.2	1044.34	97.39803
Sb 206.834	955.499	ppb	3.9044	0.4	1242.90	95.54993
Se 196.026	4856.00	ppb	25.5404	0.5	2699.10	97.11990
Sn 189.925	4986.90	ppb	20.2774	0.4	5048.25	99.73790
Sr 216.596	2493.44	ppb	10.4031	0.4	32020.5	99.73775
Ti 334.941	490.316	ppb	3.1232	0.6	150666	98.06322
Tl 190.794	4986.57	ppb	31.7363	0.6	5516.26	99.73148
V 292.401	4902.71	ppb	25.7587	0.5	143235	98.05413
Zn 206.200	2578.20	ppb	12.6432	0.5	4186.54	103.12798

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB)                      5/7/2013, 8:43:13 PM                      Rack 1, Tube 50  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0837u	-0.1060u	-0.3230u
Al 308.215	-1.6309u	-1.3841u	-1.5763u
As 188.980	5.6601	-1.7225u	7.3488
B 249.678	6.8439	6.6964	5.6772
Ba 389.178	-0.5104u	-0.5719u	-0.8582u
Be 313.042	-0.0068u	-0.0051u	0.0019
Ca 370.602	-0.3410u	-3.761u	-1.861u
Cd 226.502	-0.2255u	-0.0164u	-0.1221u
Co 228.615	0.3066	-0.4124u	0.4007
Cr 267.716	-0.2163u	-0.1133u	-0.1010u
Cu 324.754	0.3923	-0.1105u	-0.2707u
Fe 271.441	-1.6930u	3.4156	-3.6957u
K 766.491	-2.1540u	-3.0316u	-1.6417u
Mg 279.078	-2.8617u	3.1087	-4.4113u
Mn 257.610	-0.1418u	-0.1524u	-0.1206u
Mo 202.032	0.0003	-0.0658u	-0.0366u
Na 330.237	-344.913u	-186.068u	-212.789u
Ni 231.604	1.5097	1.3457	0.0848
Pb 220.353	-1.1405u	0.7937	0.8413
Sb 206.834	4.9012	4.8363	6.5795
Se 196.026	-0.0025u	2.5717	-5.6211u
Sn 189.925	1.5313	0.5921	-0.2834u
Sr 216.596	-0.4573u	0.1570	-0.2387u
Ti 334.941	0.0033	0.0249	0.0262
Tl 190.794	2.2200	0.1934	0.6720
V 292.401	-0.1373u	-0.3446u	0.1201
Zn 206.200	3.0516	1.6111	3.2007

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1709	ppb	0.1322	77.4	-34.8230	-0.17088
Al 308.215	-1.5304	ppb	0.1297	8.5	65.2083	-1.53043
As 188.980	3.7622	ppb	4.8243	128.2	-4.9249	3.76216
B 249.678	6.4058	ppb	0.6353	9.9	233.753	6.40584
Ba 389.178	-0.6468	ppb	0.1856	28.7	-9.4923	-0.64680
Be 313.042	-0.0033	ppb	0.0046	138.0	-383.353	-0.00335
Ca 370.602	-1.988	ppb	1.714	86.2	1.287	-1.98759
Cd 226.502	-0.1213	ppb	0.1046	86.2	32.2426	-0.12135
Co 228.615	0.0983	ppb	0.4448	452.4	8.8309	0.09832
Cr 267.716	-0.1435	ppb	0.0633	44.1	9.8944	-0.14351
Cu 324.754	0.0037	ppb	0.3459	9335.2	263.331	0.00371
Fe 271.441	-0.6577	ppb	3.6669	557.5	106.536	-0.65772
K 766.491	-2.2758	ppb	0.7029	30.9	282.869	-2.27577
Mg 279.078	-1.3881	ppb	3.9707	286.1	35.9346	-1.38807
Mn 257.610	-0.1383	ppb	0.0162	11.7	36.8518	-0.13829
Mo 202.032	-0.0340	ppb	0.0332	97.5	16.6011	-0.03403
Na 330.237	-247.923	ppb	85.0518	34.3	55.4183	-247.92329
Ni 231.604	0.9801	ppb	0.7796	79.5	-2.8014	0.98007
Pb 220.353	0.1649	ppb	1.1307	685.9	31.9835	0.16485
Sb 206.834	5.4390	ppb	0.9882	18.2	10.3417	5.43900
Se 196.026	-1.0173	ppb	4.1896	411.8	11.1999	-1.01728
Sn 189.925	0.6133	ppb	0.9075	148.0	-11.8617	0.61332
Sr 216.596	-0.1797	ppb	0.3114	173.3	17.9625	-0.17969
Ti 334.941	0.0181	ppb	0.0129	70.9	-36.1548	0.01813
Tl 190.794	1.0284	ppb	1.0593	103.0	-14.5442	1.02845
V 292.401	-0.1206	ppb	0.2328	193.1	-12.1617	-0.12059
Zn 206.200	2.6211	ppb	0.8779	33.5	2.3637	2.62115

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89720-a-1-q (Samp)                      5/7/2013, 8:48:37 PM                      Rack 1, Tube 51  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0772u	-0.3068u	-0.3102u
Al 308.215	14.4543	16.9074	14.6358
As 188.980	-0.5534u	4.8413	7.2706
B 249.678	474.744	478.595	481.159
Ba 389.178	24.2412	25.0984	24.9263
Be 313.042	0.0052u	-0.0020u	-0.0069u
Ca 370.602	6965	6972	6979
Cd 226.502	1.7295	1.6739	1.7202
Co 228.615	0.7338	0.1395u	0.2876
Cr 267.716	1.2881	1.1783	1.2369
Cu 324.754	6.4875	6.7182	6.8304
Fe 271.441	57.8453	57.9312	61.5244
K 766.491	1315.45	1315.76	1319.42
Mg 279.078	510.345	512.876	513.567
Mn 257.610	14.2721	14.3535	14.3822
Mo 202.032	54.0483	54.0581	54.8149
Na 330.237	156618x	158112x	157906x
Ni 231.604	3.0135	1.6715	2.7394
Pb 220.353	0.1753	0.2266	0.0306u
Sb 206.834	-3.9571u	2.5332	2.6713
Se 196.026	2.5962	1.2978	9.7792
Sn 189.925	3.4015	-1.6413u	-2.1887u
Sr 216.596	11.3598	11.6355	11.0938
Ti 334.941	0.1025	0.1956	0.0534
Tl 190.794	-2.2670u	-0.6087u	-2.1403u
V 292.401	-0.0944u	0.0778u	-0.0435u
Zn 206.200	2209.53	2227.64	2230.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2314b	ppb	0.1335	57.7	-40.2085
Al 308.215	15.3325b	ppb	1.3669	8.9	149.303
As 188.980	3.8528b	ppb	4.0046	103.9	-4.8471
B 249.678	478.166b	ppb	3.2289	0.7	6614.12
Ba 389.178	24.7553b	ppb	0.4535	1.8	582.401
Be 313.042	-0.0012b	ppb	0.0060	495.9	-403.701
Ca 370.602	6972b	ppb	7.040	0.1	22405
Cd 226.502	1.7079b	ppb	0.0298	1.7	107.330
Co 228.615	0.3870b	ppb	0.3094	80.0	10.5953
Cr 267.716	1.2344b	ppb	0.0550	4.5	85.8037
Cu 324.754	6.6787b	ppb	0.1749	2.6	579.703
Fe 271.441	59.1003b	ppb	2.0998	3.6	218.114
K 766.491	1316.88b	ppb	2.2057	0.2	51122.6
Mg 279.078	512.262b	ppb	1.6962	0.3	1232.56
Mn 257.610	14.3360b	ppb	0.0571	0.4	3910.48
Mo 202.032	54.3071b	ppb	0.4398	0.8	460.833
Na 330.237	157545xb	ppb	810.024	0.5	8643.75
Ni 231.604	2.4748b	ppb	0.7090	28.6	1.8408
Pb 220.353	0.1442b	ppb	0.1017	70.5	31.8538
Sb 206.834	0.4158b	ppb	3.7877	910.9	3.2405
Se 196.026	4.5577b	ppb	4.5683	100.2	14.2878
Sn 189.925	-0.1428b	ppb	3.0816	2157.5	-12.5571
Sr 216.596	11.3630b	ppb	0.2709	2.4	164.919
Ti 334.941	0.1171b	ppb	0.0722	61.7	-16.6482
Tl 190.794	-1.6720b	ppb	0.9230	55.2	-17.5966
V 292.401	-0.0200b	ppb	0.0885	441.8	-22.0613
Zn 206.200	2222.60b	ppb	11.4212	0.5	2622.56

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89720-a-1-r ms (Samp) 5/7/2013, 8:54:01 PM Rack 1, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.1460	3.4883	3.1568
Al 308.215	705.344	702.931	702.854
As 188.980	76.5802	74.9731	69.5266
B 249.678	396.279	398.758	400.930
Ba 389.178	83.5957	83.9690	83.3616
Be 313.042	72.1718	72.1941	72.1847
Ca 370.602	10641	10639	10634
Cd 226.502	73.9408	73.7997	73.8212
Co 228.615	73.1082	72.4242	73.9912
Cr 267.716	73.4842	73.9845	73.8683
Cu 324.754	74.8583	75.8130	75.3487
Fe 271.441	6967.51	6970.67	6963.31
K 766.491	8410.88	8438.09	8489.70
Mg 279.078	7118.70	7118.12	7132.28
Mn 257.610	759.655	761.099	762.158
Mo 202.032	100.159	99.1087	99.7393
Na 330.237	89730.9	89643.3	89704.8
Ni 231.604	72.7919	72.2330	71.6077
Pb 220.353	70.8246	72.5513	69.7878
Sb 206.834	69.5206	70.8250	70.1188
Se 196.026	61.0821	73.0416	75.7218
Sn 189.925	47.2005	45.7017	43.1230
Sr 216.596	77.5627	77.0597	77.3585
Ti 334.941	68.7767	68.9809	69.1250
Tl 190.794	12.3589	15.1380	15.0647
V 292.401	69.9418	70.2789	70.5465
Zn 206.200	1271.93	1261.83	1263.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.2637b	ppb	0.1946	6.0	243.240
Al 308.215	703.710b	ppb	1.4161	0.2	3347.35
As 188.980	73.6933b	ppb	3.6968	5.0	28.5758
B 249.678	398.655b	ppb	2.3273	0.6	5529.46
Ba 389.178	83.6421b	ppb	0.3063	0.4	1978.10
Be 313.042	72.1835b	ppb	0.0112	0.0	136677
Ca 370.602	10638b	ppb	3.250	0.0	33650
Cd 226.502	73.8539b	ppb	0.0760	0.1	3124.69
Co 228.615	73.1745b	ppb	0.7856	1.1	994.567
Cr 267.716	73.7790b	ppb	0.2619	0.4	3920.91
Cu 324.754	75.3400b	ppb	0.4774	0.6	3821.67
Fe 271.441	6967.16b	ppb	3.6939	0.1	13118.4
K 766.491	8446.22b	ppb	40.0327	0.5	325885
Mg 279.078	7123.03b	ppb	8.0158	0.1	16624.6
Mn 257.610	760.971b	ppb	1.2569	0.2	203597
Mo 202.032	99.6689b	ppb	0.5285	0.5	831.122
Na 330.237	89693.0b	ppb	44.9813	0.1	4947.58
Ni 231.604	72.2109b	ppb	0.5924	0.8	218.404
Pb 220.353	71.0546b	ppb	1.3960	2.0	179.357
Sb 206.834	70.1548b	ppb	0.6529	0.9	90.3567
Se 196.026	69.9485b	ppb	7.7946	11.1	50.7074
Sn 189.925	45.3417b	ppb	2.0625	4.5	33.5733
Sr 216.596	77.3270b	ppb	0.2530	0.3	1014.64
Ti 334.941	68.9609b	ppb	0.1750	0.3	21179.7
Tl 190.794	14.1872b	ppb	1.5838	11.2	-1.5337
V 292.401	70.2557b	ppb	0.3030	0.4	2024.88
Zn 206.200	1265.63b	ppb	5.4962	0.4	2062.97

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89720-a-1-s msd (Samp) 5/7/2013, 8:59:26 PM Rack 1, Tube 53****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.3308	3.3658	3.2774
Al 308.215	622.386	622.810	614.810
As 188.980	60.0907	77.6713	70.1464
B 249.678	353.481	357.405	355.769
Ba 389.178	73.5785	74.3096	75.0453
Be 313.042	63.5042	64.0809	63.5284
Ca 370.602	9393	9479	9371
Cd 226.502	64.6454	65.4091	64.6977
Co 228.615	64.1954	64.5477	64.0390
Cr 267.716	64.9057	64.5926	64.4337
Cu 324.754	66.1619	66.6064	66.0188
Fe 271.441	6129.58	6192.11	6120.43
K 766.491	7313.85	7384.39	7382.61
Mg 279.078	6262.59	6319.71	6264.11
Mn 257.610	670.055	674.602	670.220
Mo 202.032	87.6793	88.6931	88.3228
Na 330.237	78506.0	79354.5	78909.1
Ni 231.604	64.5098	65.7178	64.2066
Pb 220.353	60.9804	65.3233	62.4114
Sb 206.834	54.1726	60.6926	59.1098
Se 196.026	64.5967	60.1473	58.7845
Sn 189.925	35.5051	40.2005	37.3161
Sr 216.596	67.7330	68.6334	67.6554
Ti 334.941	60.5033	61.0162	60.4636
Tl 190.794	11.7956	13.7702	12.2257
V 292.401	61.6044	62.2064	61.9048
Zn 206.200	1121.30	1124.40	1122.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3247	ppb	0.0445	1.3	248.153
Al 308.215	620.002	ppb	4.5015	0.7	2957.84
As 188.980	69.3028	ppb	8.8206	12.7	26.4729
B 249.678	355.551	ppb	1.9710	0.6	4947.60
Ba 389.178	74.3111	ppb	0.7334	1.0	1757.85
Be 313.042	63.7045	ppb	0.3262	0.5	120578
Ca 370.602	9414	ppb	56.71	0.6	29782
Cd 226.502	64.9174	ppb	0.4266	0.7	2751.17
Co 228.615	64.2607	ppb	0.2606	0.4	874.294
Cr 267.716	64.6440	ppb	0.2402	0.4	3437.64
Cu 324.754	66.2624	ppb	0.3064	0.5	3392.93
Fe 271.441	6147.37	ppb	39.0088	0.6	11587.5
K 766.491	7360.28	ppb	40.2230	0.5	284033
Mg 279.078	6282.14	ppb	32.5466	0.5	14666.6
Mn 257.610	671.626	ppb	2.5792	0.4	179701
Mo 202.032	88.2317	ppb	0.5130	0.6	737.689
Na 330.237	78923.2	ppb	424.445	0.5	4361.72
Ni 231.604	64.8114	ppb	0.7995	1.2	195.423
Pb 220.353	62.9050	ppb	2.2131	3.5	162.414
Sb 206.834	57.9916	ppb	3.4008	5.9	75.3111
Se 196.026	61.1762	ppb	3.0397	5.0	45.8252
Sn 189.925	37.6739	ppb	2.3680	6.3	25.7866
Sr 216.596	68.0073	ppb	0.5436	0.8	894.750
Ti 334.941	60.6610	ppb	0.3082	0.5	18625.7
Tl 190.794	12.5972	ppb	1.0384	8.2	-3.1114
V 292.401	61.9052	ppb	0.3010	0.5	1783.07
Zn 206.200	1122.75	ppb	1.5553	0.1	1829.97

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**lb 680-275428/16-c (Samp)      5/7/2013, 9:04:50 PM      Rack 1, Tube 54**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1015u	-0.2575u	-0.0391u
Al 308.215	-0.0495u	1.1869	1.0996
As 188.980	2.9702	-1.8294u	2.0096
B 249.678	13.7559	13.5245	12.4077
Ba 389.178	-0.9668u	-0.4151u	0.0038
Be 313.042	-0.0029u	-0.0092u	-0.0089u
Ca 370.602	40.09	39.45	41.21
Cd 226.502	-0.0448u	-0.1536u	0.0069u
Co 228.615	0.3876	0.2835	0.0370
Cr 267.716	-0.1101u	-0.0258	-0.0422
Cu 324.754	0.3081	0.8420	0.2725
Fe 271.441	-1.2219u	3.6550	3.9196
K 766.491	24.0486	23.5760	23.9671
Mg 279.078	10.9521	8.1870	6.9549
Mn 257.610	-0.0467u	-0.0728u	-0.0652u
Mo 202.032	0.2892	0.3768	0.3542
Na 330.237	142390x	143963x	143041x
Ni 231.604	1.0272	2.1873	1.8178
Pb 220.353	1.0517	-1.8514u	1.6438
Sb 206.834	1.1919	2.3286	-1.9106u
Se 196.026	7.0724	-0.3437u	-4.0916u
Sn 189.925	0.0486	0.7928	-0.1524u
Sr 216.596	0.1996	0.1821	0.3968
Ti 334.941	-0.0076u	-0.0350u	-0.0629u
Tl 190.794	-3.1685u	-0.3440u	0.5800
V 292.401	-0.1252u	0.2177	0.1738
Zn 206.200	3.7568	1.4432	3.5336

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1327b	ppb	0.1125	84.8	-31.7310
Al 308.215	0.7457b	ppb	0.6900	92.5	75.7870
As 188.980	1.0501b	ppb	2.5396	241.8	-6.2241
B 249.678	13.2294b	ppb	0.7210	5.4	326.035
Ba 389.178	-0.4594b	ppb	0.4868	106.0	-5.1044
Be 313.042	-0.0070b	ppb	0.0035	50.5	-407.032
Ca 370.602	40.25b	ppb	0.8910	2.2	136.7
Cd 226.502	-0.0638b	ppb	0.0819	128.3	33.7503
Co 228.615	0.2360b	ppb	0.1801	76.3	10.6826
Cr 267.716	-0.0594b	ppb	0.0447	75.3	17.1466
Cu 324.754	0.4742b	ppb	0.3190	67.3	285.535
Fe 271.441	2.1176b	ppb	2.8950	136.7	111.738
K 766.491	23.8639b	ppb	0.2526	1.1	1290.28
Mg 279.078	8.6980b	ppb	2.0470	23.5	59.4331
Mn 257.610	-0.0616b	ppb	0.0134	21.8	56.5635
Mo 202.032	0.3401b	ppb	0.0455	13.4	19.6587
Na 330.237	143131xb	ppb	790.596	0.6	7875.24
Ni 231.604	1.6775b	ppb	0.5927	35.3	-0.6373
Pb 220.353	0.2814b	ppb	1.8706	664.8	32.2257
Sb 206.834	0.5366b	ppb	2.1942	408.9	4.2872
Se 196.026	0.8791b	ppb	5.6816	646.3	12.2488
Sn 189.925	0.2297b	ppb	0.4979	216.8	-12.1889
Sr 216.596	0.2595b	ppb	0.1192	46.0	23.5973
Ti 334.941	-0.0352b	ppb	0.0276	78.6	-64.7448
Tl 190.794	-0.9775b	ppb	1.9529	199.8	-16.7722
V 292.401	0.0887b	ppb	0.1866	210.3	-7.2880
Zn 206.200	2.9112b	ppb	1.2762	43.8	3.8366

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89882-a-1-b (Samp) 5/7/2013, 9:10:15 PM Rack 1, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0344	-0.1290u	-0.0675u
Al 308.215	14.3444	10.7565	12.3335
As 188.980	2.6558	-1.3848u	0.4563
B 249.678	76.4293	76.6860	77.2545
Ba 389.178	33.7820	33.7813	33.5220
Be 313.042	-0.0067u	-0.0030u	-0.0054u
Ca 370.602	1039	1037	1035
Cd 226.502	2.8871	3.2378	3.1996
Co 228.615	1.3012	0.7178	1.3563
Cr 267.716	2.5535	2.6620	2.6054
Cu 324.754	34.9689	34.7275	35.8829
Fe 271.441	1723.03	1734.27	1738.13
K 766.491	201.213	201.946	202.713
Mg 279.078	207.536	203.930	203.687
Mn 257.610	17.2450	17.2945	17.2174
Mo 202.032	0.1779	-0.1737u	-0.1502u
Na 330.237	149851x	149674x	151014x
Ni 231.604	7.8042	8.3937	8.8750
Pb 220.353	220.917	220.048	218.891
Sb 206.834	3.6972	1.4893	-0.8498u
Se 196.026	2.1407	9.6627	3.7588
Sn 189.925	1.8603	-0.5343u	-2.3595u
Sr 216.596	11.8465	11.1676	11.6864
Ti 334.941	-0.0599u	-0.0925u	-0.0072u
Tl 190.794	-3.9307u	-3.6561u	4.4697
V 292.401	-0.1897u	0.0180u	0.0124u
Zn 206.200	576.743	579.870	577.443

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0540b	ppb	0.0825	152.8	-25.8526
Al 308.215	12.4781b	ppb	1.7983	14.4	130.211
As 188.980	0.5757b	ppb	2.0230	351.4	-6.4585
B 249.678	76.7899b	ppb	0.4223	0.5	1183.35
Ba 389.178	33.6951b	ppb	0.1499	0.4	791.393
Be 313.042	-0.0050b	ppb	0.0019	37.1	-403.848
Ca 370.602	1037b	ppb	2.370	0.2	3198
Cd 226.502	3.1082b	ppb	0.1924	6.2	171.636
Co 228.615	1.1251b	ppb	0.3538	31.4	22.6458
Cr 267.716	2.6070b	ppb	0.0542	2.1	158.634
Cu 324.754	35.1931b	ppb	0.6095	1.7	1924.09
Fe 271.441	1731.81b	ppb	7.8445	0.5	3338.70
K 766.491	201.957b	ppb	0.7497	0.4	8153.94
Mg 279.078	205.051b	ppb	2.1552	1.1	516.998
Mn 257.610	17.2523b	ppb	0.0391	0.2	4692.45
Mo 202.032	-0.0487b	ppb	0.1965	403.9	16.3840
Na 330.237	150180xb	ppb	727.920	0.5	8254.45
Ni 231.604	8.3576b	ppb	0.5363	6.4	20.1345
Pb 220.353	219.952b	ppb	1.0162	0.5	488.974
Sb 206.834	1.4456b	ppb	2.2738	157.3	5.4926
Se 196.026	5.1874b	ppb	3.9593	76.3	14.6478
Sn 189.925	-0.3445b	ppb	2.1163	614.3	-12.7680
Sr 216.596	11.5668b	ppb	0.3549	3.1	170.068
Ti 334.941	-0.0532b	ppb	0.0430	80.9	-69.6947
Tl 190.794	-1.0390b	ppb	4.7727	459.3	-16.9664
V 292.401	-0.0531b	ppb	0.1184	222.8	-11.6439
Zn 206.200	578.019b	ppb	1.6411	0.3	541.609



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89882-a-1-c ms (Samp) 5/7/2013, 9:15:40 PM Rack 1, Tube 56****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	86.1216	85.9578	86.1902
Al 308.215	1035.97	1032.68	1035.51
As 188.980	103.734	111.619	104.254
B 249.678	260.910	259.317	262.658
Ba 389.178	132.921	131.959	132.682
Be 313.042	107.088	106.523	106.973
Ca 370.602	11084	11012	11043
Cd 226.502	111.422	110.589	111.483
Co 228.615	109.055	108.543	110.495
Cr 267.716	111.040	110.401	110.318
Cu 324.754	134.963	134.148	134.740
Fe 271.441	11665.7	11614.2	11642.5
K 766.491	12083.7	12062.7	12049.0
Mg 279.078	10359.4	10294.3	10329.1
Mn 257.610	1132.99	1127.87	1130.58
Mo 202.032	104.990	103.899	104.130
Na 330.237	131829x	130880x	131372x
Ni 231.604	112.415	113.211	111.170
Pb 220.353	280.806	282.566	281.536
Sb 206.834	97.0994	102.962	98.6741
Se 196.026	104.596	101.351	101.073
Sn 189.925	98.1020	98.3404	99.1570
Sr 216.596	115.024	113.677	113.995
Ti 334.941	102.755	102.583	102.894
Tl 190.794	20.5778	21.4853	21.4255
V 292.401	104.348	104.301	104.115
Zn 206.200	577.385	577.021	581.252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	86.0899b	ppb	0.1194	0.1	6942.23
Al 308.215	1034.72b	ppb	1.7785	0.2	4883.28
As 188.980	106.536b	ppb	4.4103	4.1	44.2764
B 249.678	260.962b	ppb	1.6714	0.6	3660.92
Ba 389.178	132.521b	ppb	0.5008	0.4	3128.83
Be 313.042	106.861b	ppb	0.2989	0.3	202524
Ca 370.602	11047b	ppb	36.40	0.3	34598
Cd 226.502	111.165b	ppb	0.4995	0.4	4688.68
Co 228.615	109.365b	ppb	1.0121	0.9	1484.43
Cr 267.716	110.586b	ppb	0.3951	0.4	5868.51
Cu 324.754	134.617b	ppb	0.4215	0.3	6619.51
Fe 271.441	11640.8b	ppb	25.8007	0.2	21843.8
K 766.491	12065.1b	ppb	17.4507	0.1	465357
Mg 279.078	10327.6b	ppb	32.6008	0.3	24086.0
Mn 257.610	1130.48b	ppb	2.5646	0.2	302424
Mo 202.032	104.339b	ppb	0.5752	0.6	868.969
Na 330.237	131360xb	ppb	474.218	0.4	7223.52
Ni 231.604	112.266b	ppb	1.0286	0.9	342.809
Pb 220.353	281.636b	ppb	0.8844	0.3	617.264
Sb 206.834	99.5786b	ppb	3.0342	3.0	127.532
Se 196.026	102.340b	ppb	1.9586	1.9	68.7557
Sn 189.925	98.5331b	ppb	0.5533	0.6	87.5704
Sr 216.596	114.232b	ppb	0.7040	0.6	1491.19
Ti 334.941	102.744b	ppb	0.1553	0.2	31574.8
Tl 190.794	21.1629b	ppb	0.5076	2.4	5.3842
V 292.401	104.255b	ppb	0.1231	0.1	3018.12
Zn 206.200	578.553b	ppb	2.3450	0.4	943.249

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**680-89882-a-1-d msd (Samp) 5/7/2013, 9:21:06 PM Rack 1, Tube 57****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	90.6684	90.8198	90.3214
Al 308.215	1015.39	1020.31	1013.44
As 188.980	116.013	110.236	114.987
B 249.678	256.359	257.675	258.568
Ba 389.178	130.281	130.811	130.333
Be 313.042	104.252	104.669	104.498
Ca 370.602	10783	10816	10797
Cd 226.502	108.193	108.455	108.612
Co 228.615	106.384	106.460	105.848
Cr 267.716	107.716	107.633	108.258
Cu 324.754	131.009	131.821	132.054
Fe 271.441	11345.8	11387.6	11370.3
K 766.491	11791.1	11783.2	11721.3
Mg 279.078	10089.7	10118.0	10098.0
Mn 257.610	1103.28	1107.22	1104.65
Mo 202.032	100.961	102.004	102.502
Na 330.237	127995x	128116x	128112x
Ni 231.604	110.195	111.009	111.215
Pb 220.353	271.798	274.271	276.326
Sb 206.834	96.2004	96.2968	99.5318
Se 196.026	104.961	107.482	100.124
Sn 189.925	96.6191	97.9444	98.6855
Sr 216.596	112.260	112.968	111.623
Ti 334.941	100.138	100.582	100.455
Tl 190.794	22.2127	21.2367	17.2697
V 292.401	101.509	101.833	102.342
Zn 206.200	561.447	561.891	560.482

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	90.6032b	ppb	0.2555	0.3	7307.21
Al 308.215	1016.38b	ppb	3.5412	0.3	4797.94
As 188.980	113.745b	ppb	3.0821	2.7	47.7317
B 249.678	257.534b	ppb	1.1114	0.4	3614.92
Ba 389.178	130.475b	ppb	0.2918	0.2	3080.30
Be 313.042	104.473b	ppb	0.2093	0.2	197989
Ca 370.602	10799b	ppb	16.87	0.2	33823
Cd 226.502	108.420b	ppb	0.2113	0.2	4573.89
Co 228.615	106.231b	ppb	0.3335	0.3	1442.10
Cr 267.716	107.869b	ppb	0.3395	0.3	5724.76
Cu 324.754	131.628b	ppb	0.5487	0.4	6478.38
Fe 271.441	11367.9b	ppb	21.0229	0.2	21334.0
K 766.491	11765.2b	ppb	38.2441	0.3	453797
Mg 279.078	10101.9b	ppb	14.5182	0.1	23560.5
Mn 257.610	1105.05b	ppb	1.9984	0.2	295623
Mo 202.032	101.822b	ppb	0.7868	0.8	848.413
Na 330.237	128074xb	ppb	68.7883	0.1	7044.57
Ni 231.604	110.806b	ppb	0.5391	0.5	338.274
Pb 220.353	274.132b	ppb	2.2672	0.8	601.660
Sb 206.834	97.3430b	ppb	1.8962	1.9	124.747
Se 196.026	104.189b	ppb	3.7392	3.6	69.7697
Sn 189.925	97.7496b	ppb	1.0468	1.1	86.7738
Sr 216.596	112.284b	ppb	0.6730	0.6	1466.06
Ti 334.941	100.392b	ppb	0.2292	0.2	30851.0
Tl 190.794	20.2397b	ppb	2.6180	12.9	4.4138
V 292.401	101.895b	ppb	0.4201	0.4	2949.61
Zn 206.200	561.273b	ppb	0.7202	0.1	515.056

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680-89879-a-1-b (Samp)                      5/7/2013, 9:26:31 PM                      Rack 1, Tube 58  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2309u	-0.3506u	-0.3392u
Al 308.215	66.8871	64.9837	68.5493
As 188.980	1.2080	-0.9282	8.8841
B 249.678	77.1309	76.6877	76.3256
Ba 389.178	93.1893	92.7257	93.6714
Be 313.042	0.0061	0.0020	0.0121
Ca 370.602	74247	74142	74138
Cd 226.502	0.0444	0.0590	0.1403
Co 228.615	11.8458	11.9165	11.5509
Cr 267.716	-0.0680	-0.1171	0.0576
Cu 324.754	1.5818	1.5105	1.4696
Fe 271.441	-0.4394	5.4241	11.5860
K 766.491	663.765	660.431	662.774
Mg 279.078	1528.08	1519.71	1516.89
Mn 257.610	735.578	736.097	734.902
Mo 202.032	0.1332	-0.2854u	-0.0591u
Na 330.237	153175x	154444x	154225x
Ni 231.604	2.3706	1.5724	1.7688
Pb 220.353	917.104	916.703	916.389
Sb 206.834	18.9041	21.2860	14.9619
Se 196.026	2.7025	0.4806	9.0721
Sn 189.925	2.8839	-4.2235u	0.8786
Sr 216.596	42.2503	42.4023	42.5243
Ti 334.941	0.2199	0.1846	0.1523
Tl 190.794	0.2714u	2.4410	2.4255
V 292.401	-0.2968u	-0.0693u	-0.4382u
Zn 206.200	9.8858	10.9769	9.6934

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3069b	ppb	0.0660	21.5	-44.4729
Al 308.215	66.8067b	ppb	1.7841	2.7	382.302
As 188.980	3.0546b	ppb	5.1602	168.9	-4.7752
B 249.678	76.7147b	ppb	0.4033	0.5	1184.66
Ba 389.178	93.1955b	ppb	0.4729	0.5	2174.79
Be 313.042	0.0067b	ppb	0.0051	75.0	-356.655
Ca 370.602	74176b	ppb	61.87	0.1	238354
Cd 226.502	0.0812b	ppb	0.0516	63.6	39.7408
Co 228.615	11.7711b	ppb	0.1939	1.6	166.593
Cr 267.716	-0.0425b	ppb	0.0901	212.1	21.7529
Cu 324.754	1.5206b	ppb	0.0568	3.7	334.904
Fe 271.441	5.5236b	ppb	6.0133	108.9	120.033
K 766.491	662.323b	ppb	1.7121	0.3	25896.3
Mg 279.078	1521.56b	ppb	5.8231	0.4	3571.58
Mn 257.610	735.525b	ppb	0.5990	0.1	196720
Mo 202.032	-0.0704b	ppb	0.2095	297.4	16.3035
Na 330.237	153948xb	ppb	678.714	0.4	8465.11
Ni 231.604	1.9039b	ppb	0.4159	21.8	0.0655
Pb 220.353	916.732b	ppb	0.3582	0.0	1937.92
Sb 206.834	18.3840b	ppb	3.1940	17.4	26.3246
Se 196.026	4.0851b	ppb	4.4595	109.2	14.2254
Sn 189.925	-0.1536b	ppb	3.6644	2385.0	-12.5349
Sr 216.596	42.3923b	ppb	0.1373	0.3	574.586
Ti 334.941	0.1856b	ppb	0.0338	18.2	9.6523
Tl 190.794	1.7126b	ppb	1.2482	72.9	-14.9753
V 292.401	-0.2681b	ppb	0.1861	69.4	-17.7755
Zn 206.200	10.1854b	ppb	0.6922	6.8	15.6954

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**680-89879-a-1-bSD^5 (Samp) 5/7/2013, 9:31:57 PM Rack 1, Tube 59****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2140u	0.2111	-0.1500u
Al 308.215	13.5694	12.6128	9.5418
As 188.980	0.5208	3.9263	-3.0690u
B 249.678	15.6687	15.7985	15.4613
Ba 389.178	17.2476	17.0271	17.2741
Be 313.042	-0.0037u	-0.0146u	-0.0064u
Ca 370.602	14579	14493	14543
Cd 226.502	0.1551	-0.1695u	-0.1051u
Co 228.615	3.2633	2.2982	3.0060
Cr 267.716	-0.2259u	-0.1215u	-0.2037u
Cu 324.754	-0.2502u	0.0476	0.2845
Fe 271.441	-6.8139u	-0.2719u	5.2462
K 766.491	112.200	111.553	112.231
Mg 279.078	304.756	303.203	306.670
Mn 257.610	147.450	146.568	147.074
Mo 202.032	-0.1243u	-0.3195u	0.0871
Na 330.237	28767.9	28423.7	28294.6
Ni 231.604	-0.0090u	1.5906	1.2261
Pb 220.353	182.787	181.924	179.302
Sb 206.834	2.7605	6.2824	4.2126
Se 196.026	2.0184	3.0598	-7.2152u
Sn 189.925	1.0355	-0.8124u	0.9229
Sr 216.596	8.4767	8.2230	8.0430
Ti 334.941	0.0070	0.0497	-0.0197u
Tl 190.794	2.2891	0.0889u	-0.4615u
V 292.401	-0.3362u	-0.3400u	-0.2031u
Zn 206.200	2.0744	2.6561	2.9909

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0510	ppb	0.2292	449.7	-24.8345
Al 308.215	11.9080	ppb	2.1043	17.7	127.557
As 188.980	0.4593	ppb	3.4980	761.5	-6.4114
B 249.678	15.6429	ppb	0.1701	1.1	358.683
Ba 389.178	17.1829	ppb	0.1356	0.8	405.556
Be 313.042	-0.0082	ppb	0.0057	69.3	-390.871
Ca 370.602	14538	ppb	43.47	0.3	46724
Cd 226.502	-0.0398	ppb	0.1719	431.5	35.4502
Co 228.615	2.8558	ppb	0.4998	17.5	46.1017
Cr 267.716	-0.1837	ppb	0.0550	29.9	9.0342
Cu 324.754	0.0273	ppb	0.2680	981.8	264.443
Fe 271.441	-0.6132	ppb	6.0373	984.6	107.079
K 766.491	111.995	ppb	0.3828	0.3	4686.81
Mg 279.078	304.876	ppb	1.7369	0.6	746.965
Mn 257.610	147.031	ppb	0.4425	0.3	39383.1
Mo 202.032	-0.1189	ppb	0.2034	171.0	15.9076
Na 330.237	28495.4	ppb	244.675	0.9	1623.06
Ni 231.604	0.9359	ppb	0.8383	89.6	-2.9384
Pb 220.353	181.338	ppb	1.8149	1.0	408.720
Sb 206.834	4.4185	ppb	1.7700	40.1	9.0828
Se 196.026	-0.7123	ppb	5.6557	793.9	11.4092
Sn 189.925	0.3820	ppb	1.0359	271.2	-12.0765
Sr 216.596	8.2476	ppb	0.2179	2.6	128.135
Ti 334.941	0.0124	ppb	0.0350	283.2	-38.8699
Tl 190.794	0.6388	ppb	1.4554	227.8	-15.2149
V 292.401	-0.2931	ppb	0.0780	26.6	-17.4354
Zn 206.200	2.5738	ppb	0.4638	18.0	2.2865

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**680-89879-a-1-bPDS (Samp) 5/7/2013, 9:37:24 PM Rack 1, Tube 60****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	44.3032	43.8789	44.7425
Al 308.215	2031.25	2026.82	2035.69
As 188.980	2227.60	2189.13	2200.22
B 249.678	1071.03	1071.88	1079.48
Ba 389.178	2173.61	2166.10	2171.06
Be 313.042	51.3790	51.2852	51.3587
Ca 370.602	77765	77662	77827
Cd 226.502	52.6652	52.5123	52.5554
Co 228.615	540.898	538.778	538.634
Cr 267.716	207.792	207.149	207.482
Cu 324.754	261.054	260.606	261.163
Fe 271.441	999.367	992.812	997.930
K 766.491	6952.63	6931.15	6962.25
Mg 279.078	6537.03	6522.14	6536.87
Mn 257.610	1262.20	1257.96	1259.80
Mo 202.032	519.441	517.064	518.301
Na 330.237	157618x	157340x	157078x
Ni 231.604	518.993	516.394	514.356
Pb 220.353	1406.11	1398.46	1402.77
Sb 206.834	511.035	515.646	522.116
Se 196.026	2049.34	2044.29	2056.91
Sn 189.925	1028.76	1025.56	1029.07
Sr 216.596	569.158	566.332	567.571
Ti 334.941	1010.44	1005.61	1008.81
Tl 190.794	2053.69	2046.44	2055.74
V 292.401	498.360	496.831	497.672
Zn 206.200	539.838	531.421	534.305

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.3082b	ppb	0.4318	1.0	3544.01
Al 308.215	2031.25b	ppb	4.4387	0.2	9546.60
As 188.980	2205.65b	ppb	19.8011	0.9	1050.47
B 249.678	1074.13b	ppb	4.6535	0.4	14673.1
Ba 389.178	2170.26b	ppb	3.8180	0.2	50451.0
Be 313.042	51.3410b	ppb	0.0494	0.1	97028.0
Ca 370.602	77751b	ppb	83.63	0.1	249964
Cd 226.502	52.5776b	ppb	0.0789	0.1	2220.11
Co 228.615	539.437b	ppb	1.2678	0.2	7307.76
Cr 267.716	207.474b	ppb	0.3217	0.2	10983.7
Cu 324.754	260.941b	ppb	0.2947	0.1	12583.9
Fe 271.441	996.703b	ppb	3.4451	0.3	2063.28
K 766.491	6948.68b	ppb	15.9193	0.2	268170
Mg 279.078	6532.01b	ppb	8.5527	0.1	15236.9
Mn 257.610	1259.99b	ppb	2.1252	0.2	336978
Mo 202.032	518.268b	ppb	1.1889	0.2	4252.57
Na 330.237	157345xb	ppb	269.933	0.2	8637.58
Ni 231.604	516.581b	ppb	2.3242	0.4	1597.16
Pb 220.353	1402.45b	ppb	3.8364	0.3	2946.24
Sb 206.834	516.266b	ppb	5.5663	1.1	635.441
Se 196.026	2050.18b	ppb	6.3531	0.3	1146.08
Sn 189.925	1027.80b	ppb	1.9478	0.2	1030.64
Sr 216.596	567.687b	ppb	1.4166	0.2	7298.76
Ti 334.941	1008.29b	ppb	2.4576	0.2	309842
Tl 190.794	2051.96b	ppb	4.8860	0.2	2261.38
V 292.401	497.621b	ppb	0.7656	0.2	14466.6
Zn 206.200	535.188b	ppb	4.2776	0.8	871.051

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/7/2013, 9:42:49 PM Rack 2, Tube 1  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	488.551	489.785	486.023
Al 308.215	4774.06	4818.40	4832.72
As 188.980	504.002	500.117	499.016
B 249.678	509.244	516.534	518.476
Ba 389.178	5054.25	5105.45	5102.02
Be 313.042	506.426	510.345	510.366
Ca 370.602	4948	4983	4997
Cd 226.502	508.741	513.684	514.345
Co 228.615	517.418	519.300	520.903
Cr 267.716	5105.82	5146.41	5145.67
Cu 324.754	5036.11	4955.00	5021.36
Fe 271.441	4896.30	4922.62	4947.13
K 766.491	9961.67	10033.2	10093.7
Mg 279.078	4893.08	4951.73	4944.69
Mn 257.610	5209.45	5245.77	5267.88
Mo 202.032	487.809	495.059	497.212
Na 330.237	6955.92	7337.32	7380.26
Ni 231.604	2563.59	2586.72	2585.81
Pb 220.353	485.882	491.887	496.609
Sb 206.834	949.075	960.650	961.585
Se 196.026	4867.85	4872.86	4907.42
Sn 189.925	4925.44	4975.04	5048.67
Sr 216.596	2491.62	2513.12	2515.75
Ti 334.941	492.123	494.890	495.436
Tl 190.794	4966.51	5013.20	5004.27
V 292.401	4900.39	4928.87	4945.67
Zn 206.200	2571.78	2606.04	2603.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.120	ppb	1.9177	0.4	39392.4	97.62399
Al 308.215	4808.39	ppb	30.5846	0.6	22366.4	96.16782
As 188.980	501.045	ppb	2.6196	0.5	233.231	100.20901
B 249.678	514.751	ppb	4.8675	0.9	7102.29	20.59006Q
Ba 389.178	5087.24	ppb	28.6202	0.6	118234	101.74477
Be 313.042	509.046	ppb	2.2688	0.4	966063	101.80914
Ca 370.602	4976	ppb	25.02	0.5	15873	99.52277
Cd 226.502	512.257	ppb	3.0627	0.6	21293.7	102.45134
Co 228.615	519.207	ppb	1.7447	0.3	7035.02	103.84141
Cr 267.716	5132.63	ppb	23.2236	0.5	271137	102.65269
Cu 324.754	5004.16	ppb	43.2048	0.9	236332	100.08315
Fe 271.441	4922.02	ppb	25.4199	0.5	9428.20	98.44037
K 766.491	10029.5	ppb	66.1001	0.7	386905	100.29538
Mg 279.078	4929.84	ppb	32.0263	0.6	11433.0	98.59671
Mn 257.610	5241.03	ppb	29.5026	0.6	1401248	104.82067
Mo 202.032	493.360	ppb	4.9265	1.0	4039.30	98.67207
Na 330.237	7224.50	ppb	233.589	3.2	436.590	96.32664
Ni 231.604	2578.71	ppb	13.0978	0.5	7996.16	103.14837
Pb 220.353	491.459	ppb	5.3761	1.1	1053.64	98.29182
Sb 206.834	957.104	ppb	6.9686	0.7	1245.24	95.71035
Se 196.026	4882.71	ppb	21.5466	0.4	2713.88	97.65419
Sn 189.925	4983.05	ppb	62.0024	1.2	5044.35	99.66100
Sr 216.596	2506.83	ppb	13.2418	0.5	32192.2	100.27324
Ti 334.941	494.150	ppb	1.7762	0.4	151844	98.82993
Tl 190.794	4994.66	ppb	24.7882	0.5	5525.20	99.89323
V 292.401	4924.98	ppb	22.8897	0.5	143886	98.49954
Zn 206.200	2593.65	ppb	18.9979	0.7	4211.63	103.74593

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/7/2013, 9:48:14 PM Rack 2, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0281u	-0.0790u	-0.0602u
Al 308.215	-2.8527u	-1.8309u	-0.7722u
As 188.980	-0.7381u	7.0816	4.1931
B 249.678	14.1781	13.6394	12.5115
Ba 389.178	-0.8513u	0.5885	0.0204
Be 313.042	-0.0069u	-0.0063u	-0.0051u
Ca 370.602	1.313	-0.7637u	1.877
Cd 226.502	0.0964	-0.1259u	-0.0176u
Co 228.615	0.1915	0.0376	-0.0111u
Cr 267.716	-0.1737u	-0.3468u	-0.1352u
Cu 324.754	-0.0811u	0.4497	-0.1083u
Fe 271.441	6.5766	5.9775	-1.0824u
K 766.491	-1.5568u	-2.4552u	-1.8768u
Mg 279.078	-0.6533u	0.1601	-0.1733u
Mn 257.610	-0.1442u	-0.0909u	-0.0315u
Mo 202.032	0.8365	-0.2138u	0.3058
Na 330.237	-92.0516u	-123.023u	-103.548u
Ni 231.604	0.4860	0.7933	-0.7553u
Pb 220.353	1.7687	1.1073	0.2153
Sb 206.834	5.2900	5.6984	6.5991
Se 196.026	-2.0119u	5.7285	0.2380
Sn 189.925	2.7791	-1.0430u	-1.0716u
Sr 216.596	-0.6398u	-0.0554u	-0.2970u
Ti 334.941	0.0771	0.0386	0.0738
Tl 190.794	1.4185	-0.4148u	-3.2745u
V 292.401	-0.1180u	-0.1476u	-0.1042u
Zn 206.200	5.4303	6.0628	5.0914

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0558	ppb	0.0257	46.1	-25.4971	-0.05577
Al 308.215	-1.8186	ppb	1.0403	57.2	63.9069	-1.81861
As 188.980	3.5122	ppb	3.9541	112.6	-5.0448	3.51218
B 249.678	13.4430	ppb	0.8505	6.3	328.925	13.44300
Ba 389.178	-0.0808	ppb	0.7252	898.0	3.6690	-0.08076
Be 313.042	-0.0061	ppb	0.0009	15.0	-388.697	-0.00613
Ca 370.602	0.8087	ppb	1.391	172.0	9.994	0.80866
Cd 226.502	-0.0157	ppb	0.1112	708.7	36.6359	-0.01568
Co 228.615	0.0727	ppb	0.1058	145.5	8.4729	0.07270
Cr 267.716	-0.2186	ppb	0.1127	51.6	5.9306	-0.21857
Cu 324.754	0.0868	ppb	0.3146	362.5	267.260	0.08678
Fe 271.441	3.8239	ppb	4.2595	111.4	114.890	3.82389
K 766.491	-1.9629	ppb	0.4554	23.2	294.926	-1.96295
Mg 279.078	-0.2222	ppb	0.4089	184.1	38.6500	-0.22216
Mn 257.610	-0.0889	ppb	0.0564	63.5	50.0820	-0.08889
Mo 202.032	0.3095	ppb	0.5251	169.7	19.4093	0.30950
Na 330.237	-106.207	ppb	15.6558	14.7	63.1230	-106.20730
Ni 231.604	0.1746	ppb	0.8199	469.5	-5.3006	0.17465
Pb 220.353	1.0304	ppb	0.7795	75.7	33.7828	1.03043
Sb 206.834	5.8625	ppb	0.6698	11.4	10.8575	5.86250
Se 196.026	1.3182	ppb	3.9817	302.1	12.4916	1.31818
Sn 189.925	0.2215	ppb	2.2150	1000.0	-12.2593	0.22151
Sr 216.596	-0.3308	ppb	0.2936	88.8	16.0160	-0.33076
Ti 334.941	0.0632	ppb	0.0214	33.8	-22.3118	0.06317
Tl 190.794	-0.7569	ppb	2.3651	312.5	-16.5274	-0.75691
V 292.401	-0.1233	ppb	0.0222	18.0	-12.3049	-0.12326
Zn 206.200	5.5282	ppb	0.4930	8.9	8.1036	5.52818

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89879-a-2-b (Samp)                      5/7/2013, 9:53:39 PM                      Rack 2, Tube 3  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3002u	-0.3777u	-0.5143u
Al 308.215	4.8895	6.5225	6.5386
As 188.980	2.0106	11.4837	5.9081
B 249.678	85.1055	86.0045	85.0458
Ba 389.178	77.1407	76.8925	77.5244
Be 313.042	-0.0378u	-0.0440u	-0.0473u
Ca 370.602	138144	137898	137566
Cd 226.502	-0.0312u	0.0164u	-0.0609u
Co 228.615	1.5937	1.7508	1.6243
Cr 267.716	-0.2568u	-0.2793u	-0.1943u
Cu 324.754	1.8092	1.9003	1.7439
Fe 271.441	10.3069	4.5891	2.9450
K 766.491	650.277	652.807	647.448
Mg 279.078	2501.48	2512.45	2508.06
Mn 257.610	438.270	439.874	439.153
Mo 202.032	0.7386	0.1943	0.8942
Na 330.237	148713x	148562x	148820x
Ni 231.604	-0.0246u	0.5223	1.6033
Pb 220.353	6.5849	5.4476	6.2236
Sb 206.834	12.4611	14.0200	11.8518
Se 196.026	14.0875	11.7777	15.7805
Sn 189.925	-0.3906u	0.0117	1.0863
Sr 216.596	78.5791	78.6907	78.9770
Ti 334.941	0.3013	0.2450	0.2465
Tl 190.794	-0.3062u	-1.7644u	1.1901
V 292.401	0.0870	0.1060	-0.3435u
Zn 206.200	3.2117	2.8458	5.5699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3974b	ppb	0.1084	27.3	-55.2030
Al 308.215	5.9835b	ppb	0.9475	15.8	100.115
As 188.980	6.4675b	ppb	4.7612	73.6	-2.7171
B 249.678	85.3853b	ppb	0.5371	0.6	1301.92
Ba 389.178	77.1859b	ppb	0.3183	0.4	1805.43
Be 313.042	-0.0430b	ppb	0.0048	11.2	-427.720
Ca 370.602	137869b	ppb	290.4	0.2	442992
Cd 226.502	-0.0252b	ppb	0.0390	154.7	35.3619
Co 228.615	1.6563b	ppb	0.0833	5.0	29.8789
Cr 267.716	-0.2435b	ppb	0.0440	18.1	9.6212
Cu 324.754	1.8178b	ppb	0.0786	4.3	348.934
Fe 271.441	5.9470b	ppb	3.8642	65.0	119.120
K 766.491	650.177b	ppb	2.6809	0.4	25428.2
Mg 279.078	2507.33b	ppb	5.5177	0.2	5873.84
Mn 257.610	439.099b	ppb	0.8033	0.2	117485
Mo 202.032	0.6091b	ppb	0.3675	60.3	21.8579
Na 330.237	148698xb	ppb	129.622	0.1	8178.85
Ni 231.604	0.7004b	ppb	0.8284	118.3	-3.6692
Pb 220.353	6.0854b	ppb	0.5811	9.5	44.4111
Sb 206.834	12.7777b	ppb	1.1182	8.8	19.3935
Se 196.026	13.8819b	ppb	2.0093	14.5	19.5621
Sn 189.925	0.2358b	ppb	0.7635	323.8	-12.1089
Sr 216.596	78.7490b	ppb	0.2052	0.3	1050.06
Ti 334.941	0.2643b	ppb	0.0321	12.1	39.1738
Tl 190.794	-0.2935b	ppb	1.4773	503.3	-16.7268
V 292.401	-0.0502b	ppb	0.2542	506.5	-11.4026
Zn 206.200	3.8758b	ppb	1.4785	38.1	54.098



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89879-a-3-b (Samp) 5/7/2013, 9:59:03 PM Rack 2, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0661u	-0.1241u	-0.3473u
Al 308.215	34.9127	34.9911	36.6804
As 188.980	-3.5996u	-3.6137u	1.2716
B 249.678	84.2442	83.6207	83.5879
Ba 389.178	94.0654	93.8182	94.3436
Be 313.042	-0.0116u	-0.0219u	-0.0127u
Ca 370.602	93388	93329	92954
Cd 226.502	0.0308	0.1224	0.0354
Co 228.615	13.1530	13.1752	13.2444
Cr 267.716	-0.0918	-0.2809u	-0.0448
Cu 324.754	2.3234	2.3421	2.0988
Fe 271.441	12.2061	6.0440	2.4211
K 766.491	647.200	647.857	643.539
Mg 279.078	1876.60	1874.41	1874.22
Mn 257.610	785.761	786.115	787.036
Mo 202.032	0.2341	-0.0501u	0.0197
Na 330.237	150359x	150824x	150200x
Ni 231.604	2.3944	1.1063	1.5783
Pb 220.353	328.883	324.348	327.208
Sb 206.834	14.5631	11.5812	12.0948
Se 196.026	5.7126	4.5931	14.0629
Sn 189.925	2.5790	-0.4649u	2.1184
Sr 216.596	54.6405	54.2352	54.0768
Ti 334.941	0.1914	0.1728	0.1405
Tl 190.794	3.3462	-3.9909u	3.0168
V 292.401	-0.3050u	-0.0754u	-0.2331u
Zn 206.200	4.3749	4.3172	3.1453

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1791b	ppb	0.1485	82.9	-34.5259
Al 308.215	35.5281b	ppb	0.9987	2.8	237.164
As 188.980	-1.9806b	ppb	2.8164	142.2	-7.0602
B 249.678	83.8176b	ppb	0.3698	0.4	1280.72
Ba 389.178	94.0757b	ppb	0.2629	0.3	2196.17
Be 313.042	-0.0154b	ppb	0.0057	36.8	-391.369
Ca 370.602	93223b	ppb	235.3	0.3	299556
Cd 226.502	0.0628b	ppb	0.0516	82.1	38.9933
Co 228.615	13.1909b	ppb	0.0477	0.4	185.779
Cr 267.716	-0.1392b	ppb	0.1250	89.8	16.8157
Cu 324.754	2.2547b	ppb	0.1354	6.0	369.538
Fe 271.441	6.8904b	ppb	4.9471	71.8	122.822
K 766.491	646.198b	ppb	2.3267	0.4	25274.8
Mg 279.078	1875.08b	ppb	1.3231	0.1	4394.44
Mn 257.610	786.304b	ppb	0.6579	0.1	210298
Mo 202.032	0.0679b	ppb	0.1481	218.1	17.4343
Na 330.237	150461xb	ppb	324.291	0.2	8274.97
Ni 231.604	1.6930b	ppb	0.6516	38.5	-0.5889
Pb 220.353	326.813b	ppb	2.2930	0.7	711.365
Sb 206.834	12.7464b	ppb	1.5941	12.5	19.3636
Se 196.026	8.1229b	ppb	5.1746	63.7	16.4727
Sn 189.925	1.4108b	ppb	1.6407	116.3	-10.9388
Sr 216.596	54.3175b	ppb	0.2907	0.5	730.329
Ti 334.941	0.1682b	ppb	0.0257	15.3	6.3626
Tl 190.794	0.7907b	ppb	4.1443	524.1	-16.0808
V 292.401	-0.2045b	ppb	0.1175	57.4	-15.8732
Zn 206.200	3.9458b	ppb	0.6938	17.6	5.5234

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89879-a-4-b (Samp)                      5/7/2013, 10:04:28 PM                      Rack 2, Tube 5  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1914u	-0.4883u	-0.1631u
Al 308.215	61.3938	63.3176	60.8315
As 188.980	6.2697	1.5697	5.9630
B 249.678	43.4304	42.5774	43.1043
Ba 389.178	94.9363	95.1298	94.6849
Be 313.042	0.0146	0.0123	0.0209
Ca 370.602	52580	52644	52467
Cd 226.502	0.0721	0.0497	0.1413
Co 228.615	12.5695	13.5499	13.3529
Cr 267.716	-0.2114u	-0.1517u	-0.3361u
Cu 324.754	1.7542	1.7184	1.8878
Fe 271.441	8.9794	2.6940	11.5708
K 766.491	481.479	481.345	479.336
Mg 279.078	1143.25	1141.88	1145.77
Mn 257.610	527.134	526.764	526.369
Mo 202.032	-0.4213u	0.1209	-0.4017u
Na 330.237	146268x	145856x	146105x
Ni 231.604	-0.7925u	1.9936	1.7676
Pb 220.353	1344.11	1343.39	1347.68
Sb 206.834	35.1278	33.7651	31.6159
Se 196.026	7.6685	6.7159	3.7917
Sn 189.925	-0.3518u	2.2761	-2.0467u
Sr 216.596	31.4119	31.4986	31.3909
Ti 334.941	0.1165	0.1076	0.1550
Tl 190.794	-0.0404u	1.4928	0.4263u
V 292.401	-0.0666u	-0.3756u	-0.4903u
Zn 206.200	6.8017	4.8862	7.7356

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2809b	ppb	0.1802	64.1	-42.8030
Al 308.215	61.8476b	ppb	1.3037	2.1	359.260
As 188.980	4.6008b	ppb	2.6295	57.2	-4.1764
B 249.678	43.0374b	ppb	0.4304	1.0	729.176
Ba 389.178	94.9170b	ppb	0.2231	0.2	2213.80
Be 313.042	0.0160b	ppb	0.0045	27.9	-345.783
Ca 370.602	52564b	ppb	89.82	0.2	168909
Cd 226.502	0.0877b	ppb	0.0478	54.5	40.0699
Co 228.615	13.1574b	ppb	0.5186	3.9	185.338
Cr 267.716	-0.2331b	ppb	0.0941	40.4	10.5380
Cu 324.754	1.7868b	ppb	0.0893	5.0	347.455
Fe 271.441	7.7480b	ppb	4.5647	58.9	124.413
K 766.491	480.720b	ppb	1.2007	0.2	18897.4
Mg 279.078	1143.63b	ppb	1.9715	0.2	2694.65
Mn 257.610	526.756b	ppb	0.3825	0.1	140905
Mo 202.032	-0.2340b	ppb	0.3075	131.4	14.9661
Na 330.237	146076xb	ppb	207.629	0.1	8035.82
Ni 231.604	0.9896b	ppb	1.5474	156.4	-2.7716
Pb 220.353	1345.06b	ppb	2.3008	0.2	2828.45
Sb 206.834	33.5029b	ppb	1.7705	5.3	44.9914
Se 196.026	6.0587b	ppb	2.0202	33.3	15.2593
Sn 189.925	-0.0408b	ppb	2.1781	5337.1	-12.4350
Sr 216.596	31.4338b	ppb	0.0571	0.2	431.022
Ti 334.941	0.1264b	ppb	0.0252	19.9	-9.7433
Tl 190.794	0.6263b	ppb	0.7859	125.5	-15.8412
V 292.401	-0.3108b	ppb	0.2191	70.5	-18.8904
Zn 206.200	6.4745b	ppb	1.4526	22.4	9.6466

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89879-a-5-b (Samp) 5/7/2013, 10:09:53 PM Rack 2, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4351u	-0.2468u	-0.3862u
Al 308.215	5.1501	6.3151	3.7321
As 188.980	0.7922	4.7864	5.9753
B 249.678	74.0883	73.9942	73.5304
Ba 389.178	65.6556	63.6652	64.8391
Be 313.042	-0.0364u	-0.0378u	-0.0373u
Ca 370.602	129528	129340	129275
Cd 226.502	0.1118	0.0231	0.0764
Co 228.615	2.8913	2.8654	2.9481
Cr 267.716	-0.4741u	-0.3293u	-0.2181u
Cu 324.754	1.4936	1.6135	1.7121
Fe 271.441	7.8328	-2.6186u	-0.0770
K 766.491	675.823	672.925	672.742
Mg 279.078	2395.88	2390.03	2375.55
Mn 257.610	885.231	882.162	882.824
Mo 202.032	0.0613	0.2805	-0.3099u
Na 330.237	150810x	150669x	150273x
Ni 231.604	0.3107	0.6808	0.8682
Pb 220.353	7.2552	5.8786	8.3757
Sb 206.834	11.9365	12.9692	16.3636
Se 196.026	-3.8097u	18.1799	3.8275
Sn 189.925	-0.1691u	2.8510	0.8631
Sr 216.596	71.3229	71.1509	71.5806
Ti 334.941	0.2467	0.1888	0.2424
Tl 190.794	-1.0102u	2.5754	3.1966
V 292.401	0.2397	-0.0069u	-0.3617u
Zn 206.200	4.1769	0.8396	2.4078

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3560b	ppb	0.0977	27.4	-49.2542
Al 308.215	5.0658b	ppb	1.2936	25.5	95.7879
As 188.980	3.8513b	ppb	2.7151	70.5	-4.0282
B 249.678	73.8710b	ppb	0.2987	0.4	1146.20
Ba 389.178	64.7200b	ppb	1.0005	1.5	1515.46
Be 313.042	-0.0372b	ppb	0.0007	2.0	-419.923
Ca 370.602	129381b	ppb	131.3	0.1	415732
Cd 226.502	0.0704b	ppb	0.0446	63.3	39.2968
Co 228.615	2.9016b	ppb	0.0423	1.5	46.7327
Cr 267.716	-0.3405b	ppb	0.1284	37.7	6.6398
Cu 324.754	1.6064b	ppb	0.1094	6.8	338.941
Fe 271.441	1.7124b	ppb	5.4506	318.3	111.430
K 766.491	673.830b	ppb	1.7284	0.3	26339.7
Mg 279.078	2387.15b	ppb	10.4666	0.4	5585.94
Mn 257.610	883.406b	ppb	1.6151	0.2	236263
Mo 202.032	0.0106b	ppb	0.2985	2804.2	16.9661
Na 330.237	150584xb	ppb	278.345	0.2	8281.70
Ni 231.604	0.6199b	ppb	0.2837	45.8	-3.9190
Pb 220.353	7.1698b	ppb	1.2507	17.4	46.7865
Sb 206.834	13.7564b	ppb	2.3161	16.8	20.6118
Se 196.026	6.0659b	ppb	11.1644	184.1	15.3619
Sn 189.925	1.1817b	ppb	1.5350	129.9	-11.1527
Sr 216.596	71.3515b	ppb	0.2163	0.3	953.855
Ti 334.941	0.2260b	ppb	0.0322	14.3	26.6220
Tl 190.794	1.5873b	ppb	2.2708	143.1	-15.3599
V 292.401	-0.0429b	ppb	0.3023	703.8	-11.0716
Zn 206.200	2.4747b	ppb	1.6697	67.5	21254

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89879-a-6-b (Samp) 5/7/2013, 10:15:18 PM Rack 2, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2324u	-0.2896u	-0.2976u
Al 308.215	25.6705	26.4240	23.7415
As 188.980	5.2837	1.7450	-1.6709u
B 249.678	99.1667	99.1104	100.452
Ba 389.178	85.2389	86.1185	86.4520
Be 313.042	-0.0371u	-0.0280u	-0.0324u
Ca 370.602	110061	109824	109670
Cd 226.502	0.3815	0.2102	0.0149u
Co 228.615	8.9228	9.8169	9.5816
Cr 267.716	0.0162	-0.2842u	0.1153
Cu 324.754	3.6355	3.3207	3.0076
Fe 271.441	7.3200	13.1702	11.7342
K 766.491	762.843	757.934	761.484
Mg 279.078	2110.60	2097.27	2098.20
Mn 257.610	1273.69	1269.83	1271.42
Mo 202.032	0.2500	-0.7922u	0.1023
Na 330.237	150060x	150090x	149856x
Ni 231.604	1.2905	0.1657	0.9685
Pb 220.353	56.7936	57.4659	55.2838
Sb 206.834	11.7715	5.8632	11.6407
Se 196.026	8.0935	2.8905	6.6766
Sn 189.925	1.2539	-0.9085u	1.2114
Sr 216.596	65.6427	65.2860	65.2222
Ti 334.941	0.5013	0.4521	0.4807
Tl 190.794	2.7475	2.0884	1.2248u
V 292.401	-0.2475u	-0.4332u	-0.5398u
Zn 206.200	3.7276	4.5186	4.1419

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2732b	ppb	0.0355	13.0	-40.3121
Al 308.215	25.2787b	ppb	1.3835	5.5	189.589
As 188.980	1.7859b	ppb	3.4775	194.7	-5.1460
B 249.678	99.5762b	ppb	0.7587	0.8	1493.85
Ba 389.178	85.9365b	ppb	0.6267	0.7	2007.66
Be 313.042	-0.0325b	ppb	0.0045	14.0	-417.969
Ca 370.602	109852b	ppb	196.8	0.2	352995
Cd 226.502	0.2022b	ppb	0.1834	90.7	44.7998
Co 228.615	9.4405b	ppb	0.4635	4.9	135.110
Cr 267.716	-0.0509b	ppb	0.2081	408.9	23.7808
Cu 324.754	3.3212b	ppb	0.3140	9.5	419.856
Fe 271.441	10.7415b	ppb	3.0488	28.4	129.371
K 766.491	760.754b	ppb	2.5345	0.3	29689.8
Mg 279.078	2102.03b	ppb	7.4436	0.4	4914.68
Mn 257.610	1271.65b	ppb	1.9397	0.2	340050
Mo 202.032	-0.1466b	ppb	0.5639	384.6	15.6805
Na 330.237	150002xb	ppb	127.683	0.1	8249.94
Ni 231.604	0.8082b	ppb	0.5793	71.7	-3.3343
Pb 220.353	56.5144b	ppb	1.1175	2.0	149.487
Sb 206.834	9.7585b	ppb	3.3740	34.6	15.6796
Se 196.026	5.8869b	ppb	2.6899	45.7	15.3702
Sn 189.925	0.5189b	ppb	1.2364	238.3	-11.8355
Sr 216.596	65.3836b	ppb	0.2266	0.3	874.715
Ti 334.941	0.4781b	ppb	0.0247	5.2	102.721
Tl 190.794	2.0202b	ppb	0.7636	37.8	-15.5078
V 292.401	-0.4068b	ppb	0.1479	36.4	-21.7611
Zn 206.200	4.1294b	ppb	0.3957	9.6	5.8231

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89879-a-7-b (Samp)                      5/7/2013, 10:20:43 PM                      Rack 2, Tube 8  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5983u	-0.4069u	-0.2617u
Al 308.215	24.6162	25.9706	25.8109
As 188.980	6.8982	7.8609	6.6201
B 249.678	78.2522	80.1208	80.7491
Ba 389.178	93.4890	94.1824	94.4418
Be 313.042	-0.0170u	-0.0287u	-0.0318u
Ca 370.602	104928	104944	104894
Cd 226.502	0.0852	0.1570	0.0940
Co 228.615	10.8348	11.9801	11.4993
Cr 267.716	-0.2039u	-0.0966	-0.0446
Cu 324.754	2.3365	2.7059	2.7731
Fe 271.441	6.8844	5.3897	10.5795
K 766.491	587.283	585.756	589.625
Mg 279.078	1909.68	1910.77	1912.69
Mn 257.610	1095.05	1095.95	1095.28
Mo 202.032	-0.3040u	0.0925	0.1466
Na 330.237	148531x	149729x	149554x
Ni 231.604	0.3142	0.6896	1.9394
Pb 220.353	218.473	219.726	218.774
Sb 206.834	26.4913	27.9122	24.4596
Se 196.026	7.8508	12.0037	9.5243
Sn 189.925	0.0358	1.6497	2.1298
Sr 216.596	57.8145	57.7585	57.8225
Ti 334.941	0.1883	0.1780	0.1863
Tl 190.794	-3.4752u	2.1079	1.3773u
V 292.401	-0.3144u	-0.6538u	-0.1391u
Zn 206.200	4.0052	4.2568	3.6972

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4223b	ppb	0.1688	40.0	-52.8494
Al 308.215	25.4659b	ppb	0.7402	2.9	190.478
As 188.980	7.1264b	ppb	0.6511	9.1	-2.6197
B 249.678	79.7074b	ppb	1.2988	1.6	1225.13
Ba 389.178	94.0377b	ppb	0.4926	0.5	2195.38
Be 313.042	-0.0258b	ppb	0.0078	30.2	-406.913
Ca 370.602	104922b	ppb	25.64	0.0	337151
Cd 226.502	0.1121b	ppb	0.0392	35.0	41.0562
Co 228.615	11.4381b	ppb	0.5751	5.0	162.090
Cr 267.716	-0.1151b	ppb	0.0812	70.6	19.5352
Cu 324.754	2.6052b	ppb	0.2351	9.0	386.075
Fe 271.441	7.6179b	ppb	2.6715	35.1	123.884
K 766.491	587.555b	ppb	1.9490	0.3	23014.7
Mg 279.078	1911.04b	ppb	1.5216	0.1	4472.78
Mn 257.610	1095.43b	ppb	0.4695	0.0	292938
Mo 202.032	-0.0216b	ppb	0.2461	1137.8	16.7025
Na 330.237	149271xb	ppb	646.710	0.4	8210.09
Ni 231.604	0.9811b	ppb	0.8509	86.7	-2.7980
Pb 220.353	218.991b	ppb	0.6541	0.3	487.263
Sb 206.834	26.2877b	ppb	1.7353	6.6	36.0809
Se 196.026	9.7929b	ppb	2.0894	21.3	17.4819
Sn 189.925	1.2718b	ppb	1.0970	86.3	-11.0745
Sr 216.596	57.7985b	ppb	0.0349	0.1	776.547
Ti 334.941	0.1842b	ppb	0.0055	3.0	11.5399
Tl 190.794	0.0033b	ppb	3.0346	91309.2	-17.4596
V 292.401	-0.3691b	ppb	0.2617	70.9	-20.6922
Zn 206.200	3.9864b	ppb	0.2893	7.0	5.5899

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680-89879-a-8-b (Samp)                      5/7/2013, 10:26:08 PM                      Rack 2, Tube 9  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6633u	-0.3190u	-0.5188u
Al 308.215	29.9840	29.9138	32.6977
As 188.980	3.7868	2.3754	-0.4095
B 249.678	79.7720	81.5949	80.5840
Ba 389.178	112.312	112.554	112.412
Be 313.042	-0.0131u	-0.0132u	-0.0207u
Ca 370.602	103496	103531	103589
Cd 226.502	0.0038u	0.1337	0.0607
Co 228.615	10.6726	11.2766	11.0237
Cr 267.716	-0.2868u	0.1270	-0.0641
Cu 324.754	1.9853	2.3547	2.6088
Fe 271.441	-0.0555	10.2626	-1.7739u
K 766.491	629.130	630.633	635.165
Mg 279.078	1940.01	1945.59	1944.93
Mn 257.610	780.482	781.119	780.956
Mo 202.032	-0.3919u	-0.0882u	0.3018
Na 330.237	152186x	153281x	152910x
Ni 231.604	0.2409	0.9584	0.8578
Pb 220.353	1096.72	1097.30	1095.31
Sb 206.834	38.0289	32.1461	36.8708
Se 196.026	11.0606	6.6832	4.6269
Sn 189.925	-0.3257u	-3.4533u	0.0894
Sr 216.596	57.2287	57.7088	58.1051
Ti 334.941	0.1604	0.2057	0.2264
Tl 190.794	0.2219u	-1.8381u	1.4636
V 292.401	-0.4740u	-0.7868u	-0.1360u
Zn 206.200	5.1573	4.1437	4.6374

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5003b	ppb	0.1729	34.6	-60.7026
Al 308.215	30.8651b	ppb	1.5874	5.1	215.514
As 188.980	1.9176b	ppb	2.1353	111.4	-5.1249
B 249.678	80.6503b	ppb	0.9132	1.1	1237.89
Ba 389.178	112.426b	ppb	0.1216	0.1	2622.68
Be 313.042	-0.0157b	ppb	0.0043	27.7	-388.686
Ca 370.602	103539b	ppb	46.83	0.0	332698
Cd 226.502	0.0660b	ppb	0.0651	98.6	39.1227
Co 228.615	10.9910b	ppb	0.3033	2.8	156.057
Cr 267.716	-0.0746b	ppb	0.2071	277.5	20.2477
Cu 324.754	2.3163b	ppb	0.3135	13.5	372.439
Fe 271.441	2.8111b	ppb	6.5102	231.6	114.838
K 766.491	631.643b	ppb	3.1416	0.5	24713.9
Mg 279.078	1943.51b	ppb	3.0507	0.2	4554.00
Mn 257.610	780.852b	ppb	0.3308	0.0	208842
Mo 202.032	-0.0595b	ppb	0.3478	584.9	16.3937
Na 330.237	152792xb	ppb	556.658	0.4	8402.12
Ni 231.604	0.6857b	ppb	0.3885	56.7	-3.7148
Pb 220.353	1096.45b	ppb	1.0219	0.1	2311.60
Sb 206.834	35.6819b	ppb	3.1164	8.7	47.6807
Se 196.026	7.4569b	ppb	3.2859	44.1	16.1029
Sn 189.925	-1.2299b	ppb	1.9367	157.5	-13.6123
Sr 216.596	57.6809b	ppb	0.4388	0.8	774.855
Ti 334.941	0.1975b	ppb	0.0338	17.1	15.4880
Tl 190.794	-0.0509b	ppb	1.6677	3278.9	-17.0078
V 292.401	-0.4656b	ppb	0.3255	69.9	-23.5132
Zn 206.200	4.6461b	ppb	0.5068	10.9	66648

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680-89879-a-9-b (Samp) 5/7/2013, 10:31:34 PM Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3519u	-0.2508u	-0.2340u
Al 308.215	77.8352	81.7979	81.5250
As 188.980	3.5520	-0.3367	8.8584
B 249.678	75.7495	75.0915	76.1341
Ba 389.178	123.671	123.458	123.753
Be 313.042	0.0268	0.0214	0.0244
Ca 370.602	68824	68855	69077
Cd 226.502	0.0734	0.0641	0.0454
Co 228.615	22.6639	22.6197	22.4094
Cr 267.716	0.2626	-0.2033u	-0.2602u
Cu 324.754	2.3811	2.5757	2.2142
Fe 271.441	8.7931	2.5746	5.7990
K 766.491	595.064	595.913	600.381
Mg 279.078	1488.84	1497.47	1500.65
Mn 257.610	876.403	876.711	878.094
Mo 202.032	0.1845	-0.0463u	-0.2242u
Na 330.237	148098x	148937x	147909x
Ni 231.604	1.1213	2.7254	2.6625
Pb 220.353	1849.30	1846.14	1854.15
Sb 206.834	24.7780	29.2911	24.8064
Se 196.026	-0.6669u	0.4096	0.5547
Sn 189.925	3.0092	-1.3730u	2.3956
Sr 216.596	38.4925	38.2345	38.5699
Ti 334.941	0.1166	0.1574	0.1183
Tl 190.794	-0.1376u	-0.6121u	-0.1209u
V 292.401	-0.0705u	-0.3828u	-0.3923u
Zn 206.200	5.3440	6.1450	8.5621

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2789b	ppb	0.0638	22.9	-41.3048
Al 308.215	80.3860b	ppb	2.2133	2.8	445.295
As 188.980	4.0246b	ppb	4.6157	114.7	-4.3433
B 249.678	75.6584b	ppb	0.5273	0.7	1170.37
Ba 389.178	123.628b	ppb	0.1521	0.1	2881.77
Be 313.042	0.0242b	ppb	0.0027	11.2	-324.910
Ca 370.602	68919b	ppb	137.6	0.2	221467
Cd 226.502	0.0610b	ppb	0.0143	23.4	38.9588
Co 228.615	22.5644b	ppb	0.1360	0.6	312.464
Cr 267.716	-0.0670b	ppb	0.2869	428.3	21.0213
Cu 324.754	2.3903b	ppb	0.1810	7.6	375.933
Fe 271.441	5.7222b	ppb	3.1100	54.3	122.222
K 766.491	597.119b	ppb	2.8564	0.5	23383.3
Mg 279.078	1495.65b	ppb	6.1134	0.4	3508.71
Mn 257.610	877.069b	ppb	0.9008	0.1	234559
Mo 202.032	-0.0287b	ppb	0.2049	714.7	16.6449
Na 330.237	148315xb	ppb	547.144	0.4	8157.90
Ni 231.604	2.1697b	ppb	0.9085	41.9	0.8904
Pb 220.353	1849.86b	ppb	4.0316	0.2	3878.14
Sb 206.834	26.2919b	ppb	2.5975	9.9	36.0899
Se 196.026	0.0991b	ppb	0.6674	673.3	12.0599
Sn 189.925	1.3440b	ppb	2.3728	176.6	-11.0202
Sr 216.596	38.4323b	ppb	0.1756	0.5	523.019
Ti 334.941	0.1308b	ppb	0.0231	17.6	-6.8525
Tl 190.794	-0.2902b	ppb	0.2789	96.1	-17.4234
V 292.401	-0.2819b	ppb	0.1831	65.0	-18.0993
Zn 206.200	6.6837b	ppb	1.6753	25.1	0.9870

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89916-a-1-b (Samp)**                      **5/7/2013, 10:37:00 PM**                      **Rack 2, Tube 11**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1816u	-0.1327u	-0.0597u
Al 308.215	9.2926	7.6104	8.2715
As 188.980	6.2056	-9.4807u	-2.6799u
B 249.678	51.4989	52.1726	52.0784
Ba 389.178	13.8174	13.4745	13.5071
Be 313.042	0.3033	0.3149	0.3022
Ca 370.602	3513	3505	3545
Cd 226.502	0.4505	0.2605	0.5591
Co 228.615	24.1507	23.5137	23.9676
Cr 267.716	-0.0862u	-0.0733u	0.1747
Cu 324.754	1.3545	1.4397	1.2779
Fe 271.441	-0.5008	-4.9961u	-4.8617u
K 766.491	135.929	136.033	136.249
Mg 279.078	154.783	159.208	158.454
Mn 257.610	121.504	121.164	122.220
Mo 202.032	-0.5905u	-0.0992u	-0.1001u
Na 330.237	141506x	140587x	141879x
Ni 231.604	4.3930	3.9027	3.8105
Pb 220.353	3.2590	6.6853	1.8551
Sb 206.834	-0.9636u	-0.1640u	-0.3234u
Se 196.026	-4.2847u	3.1363	5.3852
Sn 189.925	-0.6726u	0.8460	2.0983
Sr 216.596	2.8456	2.8852	2.7059
Ti 334.941	-0.0084u	0.0145u	-0.0602u
Tl 190.794	-1.3817u	0.4322	-2.2297u
V 292.401	-0.1406u	0.0931	-0.2490u
Zn 206.200	13.7269	12.1437	12.6959

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1247b	ppb	0.0614	49.2	-30.6320
Al 308.215	8.3915b	ppb	0.8475	10.1	111.223
As 188.980	-1.9850b	ppb	7.8662	396.3	-7.6552
B 249.678	51.9166b	ppb	0.3648	0.7	849.279
Ba 389.178	13.5996b	ppb	0.1893	1.4	321.916
Be 313.042	0.3068b	ppb	0.0070	2.3	190.353
Ca 370.602	3521b	ppb	21.18	0.6	11323
Cd 226.502	0.4234b	ppb	0.1511	35.7	53.9424
Co 228.615	23.8773b	ppb	0.3279	1.4	330.206
Cr 267.716	0.0051b	ppb	0.1470	2903.8	21.0900
Cu 324.754	1.3574b	ppb	0.0809	6.0	327.191
Fe 271.441	-3.4529b	ppb	2.5574	74.1	105.324
K 766.491	136.071b	ppb	0.1636	0.1	5614.69
Mg 279.078	157.482b	ppb	2.3674	1.5	403.964
Mn 257.610	121.630b	ppb	0.5391	0.4	32590.4
Mo 202.032	-0.2632b	ppb	0.2834	107.7	14.7275
Na 330.237	141324xb	ppb	664.900	0.5	7776.60
Ni 231.604	4.0354b	ppb	0.3131	7.8	6.6795
Pb 220.353	3.9332b	ppb	2.4847	63.2	39.8424
Sb 206.834	-0.4836b	ppb	0.4232	87.5	3.0387
Se 196.026	1.4123b	ppb	5.0602	358.3	12.5773
Sn 189.925	0.7572b	ppb	1.3876	183.2	-11.6525
Sr 216.596	2.8122b	ppb	0.0942	3.4	56.8290
Ti 334.941	-0.0180b	ppb	0.0383	212.4	-58.5811
Tl 190.794	-1.0597b	ppb	1.3599	128.3	-17.0473
V 292.401	-0.0989b	ppb	0.1748	176.8	-12.6865
Zn 206.200	12.8555b	ppb	0.8936	6.9	20.0476



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89920-a-1-c (Samp) 5/7/2013, 10:42:26 PM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6007u	-0.3068u	-0.1595u
Al 308.215	3.5391	0.0431	4.9610
As 188.980	-0.9615	2.0282	2.9873
B 249.678	5.9843	6.7987	6.4159
Ba 389.178	49.9659	49.8473	49.5073
Be 313.042	-0.0288u	-0.0313u	-0.0412u
Ca 370.602	87926	88009	88062
Cd 226.502	0.1825	-0.0005u	-0.1661u
Co 228.615	-0.1209u	0.6931	-0.0905u
Cr 267.716	-0.2868u	-0.2503u	-0.3347u
Cu 324.754	0.1376	0.5186	0.3346
Fe 271.441	4.3446	-0.0650u	9.8666
K 766.491	356.374	358.512	357.330
Mg 279.078	1380.67	1376.00	1375.39
Mn 257.610	54.7442	54.7221	54.5288
Mo 202.032	0.1762	0.2892	0.0854
Na 330.237	151324x	149452x	150167x
Ni 231.604	0.8559	0.8395	2.2254
Pb 220.353	1.4092	-1.1685u	0.8829
Sb 206.834	3.1960	4.1841	4.1729
Se 196.026	-3.0836u	4.6825	2.1246
Sn 189.925	-1.2839u	-1.3207u	3.6122
Sr 216.596	597.759	597.132	601.496
Ti 334.941	0.0355	0.1639	0.0946
Tl 190.794	-3.1220u	-3.3842u	-1.0295u
V 292.401	0.1324	-0.4422u	-0.3677u
Zn 206.200	3.4668	3.7278	3.1169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3557b	ppb	0.2246	63.2	-79.1130
Al 308.215	2.8477b	ppb	2.5308	88.9	85.5416
As 188.980	1.3513b	ppb	2.0596	152.4	-5.4983
B 249.678	6.3996b	ppb	0.4075	6.4	233.663
Ba 389.178	49.7735b	ppb	0.2380	0.5	1165.58
Be 313.042	-0.0338b	ppb	0.0066	19.4	-427.759
Ca 370.602	87999b	ppb	68.48	0.1	282749
Cd 226.502	0.0053b	ppb	0.1744	3302.9	36.5952
Co 228.615	0.1605b	ppb	0.4615	287.4	9.6677
Cr 267.716	-0.2906b	ppb	0.0423	14.6	5.3378
Cu 324.754	0.3302b	ppb	0.1905	57.7	278.744
Fe 271.441	4.7154b	ppb	4.9762	105.5	116.567
K 766.491	357.405b	ppb	1.0708	0.3	14144.8
Mg 279.078	1377.35b	ppb	2.8889	0.2	3247.63
Mn 257.610	54.6650b	ppb	0.1185	0.2	14701.1
Mo 202.032	0.1836b	ppb	0.1021	55.6	18.3802
Na 330.237	150314xb	ppb	944.801	0.6	8266.99
Ni 231.604	1.3069b	ppb	0.7955	60.9	-1.7870
Pb 220.353	0.3746b	ppb	1.3620	363.6	32.4342
Sb 206.834	3.8510b	ppb	0.5672	14.7	8.3765
Se 196.026	1.2412b	ppb	3.9577	318.9	12.4642
Sn 189.925	0.3359b	ppb	2.8374	844.8	-12.0324
Sr 216.596	598.796b	ppb	2.3594	0.4	7732.64
Ti 334.941	0.0980b	ppb	0.0643	65.6	-17.6606
Tl 190.794	-2.5119b	ppb	1.2905	51.4	-18.5657
V 292.401	-0.2258b	ppb	0.3125	138.4	-16.5262
Zn 206.200	3.4372b	ppb	0.3065	8.9	4.6949

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV)                      5/7/2013, 10:47:52 PM                      Rack 2, Tube 13  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	488.526	486.536	496.004
Al 308.215	4821.07	4808.88	4871.91
As 188.980	491.984	496.259	497.396
B 249.678	500.531	504.074	506.657
Ba 389.178	5096.84	5081.00	5132.87
Be 313.042	512.287	509.309	515.190
Ca 370.602	4987	4975	5048
Cd 226.502	512.037	510.643	516.276
Co 228.615	521.300	518.222	524.577
Cr 267.716	5156.26	5140.45	5186.88
Cu 324.754	4967.85	5040.90	5075.35
Fe 271.441	4937.34	4942.12	4975.86
K 766.491	10089.0	10006.3	10075.9
Mg 279.078	4943.80	4939.89	4984.67
Mn 257.610	5240.75	5232.49	5298.90
Mo 202.032	492.593	491.645	500.851
Na 330.237	7125.03	7241.76	7364.35
Ni 231.604	2582.36	2573.14	2599.46
Pb 220.353	492.330	490.822	495.996
Sb 206.834	962.511	955.761	971.020
Se 196.026	4878.99	4860.68	4912.07
Sn 189.925	4976.43	5008.83	5062.35
Sr 216.596	2508.69	2506.45	2530.73
Ti 334.941	495.269	493.035	498.112
Tl 190.794	5004.64	4996.63	5018.04
V 292.401	4942.22	4916.01	4962.40
Zn 206.200	2604.53	2597.10	2619.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.355	ppb	4.9920	1.0	39573.1	98.07108
Al 308.215	4833.95	ppb	33.4301	0.7	22485.1	96.67908
As 188.980	495.213	ppb	2.8535	0.6	230.436	99.04259
B 249.678	503.754	ppb	3.0756	0.6	6953.51	20.15015Q
Ba 389.178	5103.57	ppb	26.5825	0.5	118614	102.07144
Be 313.042	512.262	ppb	2.9408	0.6	972169	102.45235
Ca 370.602	5003	ppb	39.38	0.8	15960	100.06739
Cd 226.502	512.985	ppb	2.9335	0.6	21324.0	102.59703
Co 228.615	521.366	ppb	3.1779	0.6	7064.26	104.27329
Cr 267.716	5161.20	ppb	23.6090	0.5	272646	103.22394
Cu 324.754	5028.04	ppb	54.8924	1.1	237459	100.56073
Fe 271.441	4951.77	ppb	20.9981	0.4	9484.27	99.03543
K 766.491	10057.1	ppb	44.4481	0.4	387967	100.57083
Mg 279.078	4956.12	ppb	24.7992	0.5	11494.0	99.12239
Mn 257.610	5257.38	ppb	36.1935	0.7	1405618	105.14760
Mo 202.032	495.030	ppb	5.0634	1.0	4052.91	99.00597
Na 330.237	7243.71	ppb	119.672	1.7	437.501	96.58286
Ni 231.604	2584.99	ppb	13.3565	0.5	8015.65	103.39959
Pb 220.353	493.049	ppb	2.6607	0.5	1056.94	98.60989
Sb 206.834	963.097	ppb	7.6464	0.8	1252.98	96.30974
Se 196.026	4883.92	ppb	26.0483	0.5	2714.55	97.67832
Sn 189.925	5015.87	ppb	43.3926	0.9	5077.66	100.31746
Sr 216.596	2515.29	ppb	13.4199	0.5	32300.8	100.61160
Ti 334.941	495.472	ppb	2.5449	0.5	152251	99.09441
Tl 190.794	5006.43	ppb	10.8192	0.2	5538.25	100.12869
V 292.401	4940.21	ppb	23.2580	0.5	144330	98.80422
Zn 206.200	2606.93	ppb	11.2211	0.4	4233.20	104.27724

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/7/2013, 10:53:17 PM Rack 2, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1544u	-0.5207u	-0.5801u
Al 308.215	-1.5969u	-1.7901u	-0.1537u
As 188.980	0.7843	0.5843	-0.3588u
B 249.678	7.3756	6.4989	6.0740
Ba 389.178	-0.9737u	-0.9732u	-0.1845u
Be 313.042	-0.0005u	-0.0024u	-0.0035u
Ca 370.602	1.420	-0.1559u	1.738
Cd 226.502	-0.1420u	-0.1515u	-0.1211u
Co 228.615	-0.2861u	-0.0575u	0.3916
Cr 267.716	-0.0194u	-0.2863u	-0.1719u
Cu 324.754	-0.1285u	0.4045	0.1190
Fe 271.441	-4.3006u	0.4454	0.2791
K 766.491	-2.0241u	-1.8673u	-1.8675u
Mg 279.078	-2.1571u	0.2575	-1.6308u
Mn 257.610	-0.1417u	-0.0774u	-0.1403u
Mo 202.032	-0.0960u	-0.1475u	0.1271
Na 330.237	-44.4122u	-29.7649u	-77.3678u
Ni 231.604	-1.4266u	0.2892	0.5695
Pb 220.353	1.2198	-1.1537u	0.7265
Sb 206.834	2.2041	6.0773	4.1567
Se 196.026	1.1345	-4.1520u	-1.0608u
Sn 189.925	-0.6086u	3.0808	-0.2824u
Sr 216.596	-0.4159u	-0.5993u	0.3778
Ti 334.941	0.0001	-0.0174u	0.0171
Tl 190.794	-1.0998u	4.3230	-2.6831u
V 292.401	-0.0503u	-0.1892u	0.0030
Zn 206.200	0.0756	-0.4018u	1.0169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4184	ppb	0.2306	55.1	-54.8431	-0.41842
Al 308.215	-1.1802	ppb	0.8942	75.8	66.8104	-1.18024
As 188.980	0.3366	ppb	0.6105	181.4	-6.5662	0.33662
B 249.678	6.6495	ppb	0.6637	10.0	237.048	6.64950
Ba 389.178	-0.7105	ppb	0.4555	64.1	-10.9695	-0.71045
Be 313.042	-0.0022	ppb	0.0015	70.6	-381.066	-0.00215
Ca 370.602	1.001	ppb	1.014	101.3	10.84	1.00089
Cd 226.502	-0.1382	ppb	0.0155	11.2	31.5457	-0.13819
Co 228.615	0.0160	ppb	0.3448	2154.9	7.7257	0.01600
Cr 267.716	-0.1592	ppb	0.1339	84.1	9.0676	-0.15921
Cu 324.754	0.1317	ppb	0.2667	202.6	269.363	0.13167
Fe 271.441	-1.1920	ppb	2.6934	225.9	105.522	-1.19202
K 766.491	-1.9196	ppb	0.0905	4.7	296.594	-1.91965
Mg 279.078	-1.1768	ppb	1.2697	107.9	36.4257	-1.17679
Mn 257.610	-0.1198	ppb	0.0367	30.6	41.8030	-0.11980
Mo 202.032	-0.0388	ppb	0.1460	376.4	16.5622	-0.03878
Na 330.237	-50.5151	ppb	24.3811	48.3	66.2057	-50.51506
Ni 231.604	-0.1893	ppb	1.0806	570.7	-6.4301	-0.18934
Pb 220.353	0.2642	ppb	1.2525	474.1	32.1905	0.26418
Sb 206.834	4.1460	ppb	1.9366	46.7	8.7485	4.14601
Se 196.026	-1.3594	ppb	2.6559	195.4	11.0106	-1.35944
Sn 189.925	0.7299	ppb	2.0424	279.8	-11.7433	0.72991
Sr 216.596	-0.2125	ppb	0.5194	244.4	17.5669	-0.21249
Ti 334.941	-0.0001	ppb	0.0172	23995.6	-41.7554	-0.00007
Tl 190.794	0.1800	ppb	3.6742	2040.8	-15.4864	0.18004
V 292.401	-0.0788	ppb	0.0993	125.9	-10.8947	-0.07882
Zn 206.200	0.2302	ppb	0.7219	313.5	0.5341	0.23023

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**mb 680-275602/1-a (Samp)**      **5/7/2013, 10:58:41 PM**      **Rack 2, Tube 15**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1033	-0.0994u	-0.4772u
Al 308.215	-0.7070u	-0.9047u	0.4815
As 188.980	-0.3613u	3.2899	-0.7672u
B 249.678	3.8450	2.8104	3.2588
Ba 389.178	-0.0601u	-0.5996u	-0.8618u
Be 313.042	-0.0121u	-0.0012u	-0.0036u
Ca 370.602	1.744	-0.3002u	1.574
Cd 226.502	0.1168	-0.2207u	0.0208
Co 228.615	0.6795	0.7200	-0.3670u
Cr 267.716	-0.1652u	-0.1403u	0.0602
Cu 324.754	0.1399	-0.4092u	-0.6228u
Fe 271.441	3.1841	-1.0207u	-2.1091u
K 766.491	-1.4719u	-0.7466u	-1.7516u
Mg 279.078	-0.5248u	2.3213	0.4885
Mn 257.610	-0.0778u	-0.0366u	-0.0458u
Mo 202.032	0.1388	-0.1111u	-0.5636u
Na 330.237	49.4431	24.1362	75.6740
Ni 231.604	0.3963	-0.2869u	0.0854
Pb 220.353	3.4816	0.4909	1.7980
Sb 206.834	1.6464	-0.6393u	-1.4844u
Se 196.026	2.3633	3.9755	-0.0034u
Sn 189.925	-1.2369u	3.6658	-1.5582u
Sr 216.596	0.1040	0.1988	-0.3587u
Ti 334.941	-0.0244u	0.0040	0.0551
Tl 190.794	1.5403	-2.9908u	0.7982
V 292.401	-0.0680u	-0.3032u	0.3760
Zn 206.200	1.0061	1.4900	0.2102

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1577	ppb	0.2947	186.8	-33.7572
Al 308.215	-0.3767	ppb	0.7498	199.0	70.5378
As 188.980	0.7205	ppb	2.2345	310.1	-6.3822
B 249.678	3.3047	ppb	0.5188	15.7	191.812
Ba 389.178	-0.5072	ppb	0.4087	80.6	-6.2429
Be 313.042	-0.0056	ppb	0.0057	101.3	-387.686
Ca 370.602	1.006	ppb	1.135	112.8	10.95
Cd 226.502	-0.0277	ppb	0.1739	628.0	36.1225
Co 228.615	0.3442	ppb	0.6162	179.1	12.1616
Cr 267.716	-0.0818	ppb	0.1236	151.1	13.1568
Cu 324.754	-0.2974	ppb	0.3935	132.3	249.120
Fe 271.441	0.0181	ppb	2.7953	15463.1	107.836
K 766.491	-1.3234	ppb	0.5187	39.2	319.575
Mg 279.078	0.7617	ppb	1.4426	189.4	40.9409
Mn 257.610	-0.0534	ppb	0.0216	40.4	59.5668
Mo 202.032	-0.1786	ppb	0.3561	199.3	15.4189
Na 330.237	49.7511	ppb	25.7703	51.8	71.6686
Ni 231.604	0.0649	ppb	0.3421	526.7	-5.6411
Pb 220.353	1.9235	ppb	1.4993	77.9	35.6405
Sb 206.834	-0.1591	ppb	1.6197	1018.0	3.4345
Se 196.026	2.1118	ppb	2.0013	94.8	12.9306
Sn 189.925	0.2902	ppb	2.9277	1008.8	-12.1895
Sr 216.596	-0.0186	ppb	0.2983	1600.2	20.0483
Ti 334.941	0.0116	ppb	0.0403	347.4	-38.1694
Tl 190.794	-0.2174	ppb	2.4303	1117.7	-15.9277
V 292.401	0.0016	ppb	0.3449	21412.3	-8.5444
Zn 206.200	0.9021	ppb	0.6462	71.6	0.5609

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

ics 680-275602/2-a (Samp)      5/7/2013, 11:04:06 PM      Rack 2, Tube 16  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	49.6115	50.0623	49.5544
Al 308.215	4837.19	4843.40	4794.55
As 188.980	106.292	111.907	102.367
B 249.678	193.272	195.500	195.269
Ba 389.178	103.065	104.268	103.175
Be 313.042	53.0354	53.3052	52.8592
Ca 370.602	4910	4941	4896
Cd 226.502	51.9709	52.4683	52.2213
Co 228.615	52.3086	53.3432	51.3647
Cr 267.716	105.079	105.719	105.400
Cu 324.754	105.656	106.294	102.930
Fe 271.441	4945.25	4986.48	4953.00
K 766.491	4881.23	4927.10	4914.17
Mg 279.078	4929.67	4951.35	4920.89
Mn 257.610	540.436	543.619	540.808
Mo 202.032	100.578	100.753	99.6969
Na 330.237	4807.23	4778.13	4812.68
Ni 231.604	102.861	103.382	102.080
Pb 220.353	49.5690	52.4044	49.3795
Sb 206.834	49.7558	54.2250	44.5342
Se 196.026	95.2999	100.725	92.8625
Sn 189.925	192.766	200.895	197.887
Sr 216.596	102.234	102.516	101.265
Ti 334.941	100.194	100.933	100.184
Tl 190.794	38.4279	38.4026	40.4579
V 292.401	101.236	101.806	101.569
Zn 206.200	105.760	104.932	103.692

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7427	ppb	0.2782	0.6	4000.37
Al 308.215	4825.05	ppb	26.5971	0.6	22470.6
As 188.980	106.855	ppb	4.7944	4.5	44.4428
B 249.678	194.680	ppb	1.2253	0.6	2773.45
Ba 389.178	103.503	ppb	0.6646	0.6	2430.98
Be 313.042	53.0666	ppb	0.2246	0.4	100380
Ca 370.602	4916	ppb	22.96	0.5	15431
Cd 226.502	52.2202	ppb	0.2487	0.5	2220.78
Co 228.615	52.3388	ppb	0.9896	1.9	713.966
Cr 267.716	105.399	ppb	0.3198	0.3	5588.16
Cu 324.754	104.960	ppb	1.7869	1.7	5218.34
Fe 271.441	4961.58	ppb	21.9134	0.4	9373.73
K 766.491	4907.50	ppb	23.6486	0.5	189504
Mg 279.078	4933.97	ppb	15.6774	0.3	11525.9
Mn 257.610	541.621	ppb	1.7401	0.3	144930
Mo 202.032	100.343	ppb	0.5662	0.6	836.679
Na 330.237	4799.35	ppb	18.5761	0.4	327.217
Ni 231.604	102.774	ppb	0.6551	0.6	313.195
Pb 220.353	50.4510	ppb	1.6944	3.4	136.537
Sb 206.834	49.5050	ppb	4.8503	9.8	65.0217
Se 196.026	96.2960	ppb	4.0250	4.2	65.2063
Sn 189.925	197.183	ppb	4.1099	2.1	187.623
Sr 216.596	102.005	ppb	0.6562	0.6	1329.43
Ti 334.941	100.437	ppb	0.4296	0.4	30849.4
Tl 190.794	39.0961	ppb	1.1794	3.0	26.6059
V 292.401	101.537	ppb	0.2864	0.3	2940.48
Zn 206.200	104.794	ppb	1.0408	1.0	170.156

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89896-c-23-a (Samp)      5/7/2013, 11:09:31 PM      Rack 2, Tube 17  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1665u	-0.3988u	-0.2616u
Al 308.215	0.8980	3.8806	1.6068
As 188.980	2.6921	-4.6071u	0.9748
B 249.678	0.9295	1.5211	0.6736
Ba 389.178	-0.9083u	-1.1189u	-0.0172u
Be 313.042	-0.0010u	0.0019	-0.0003u
Ca 370.602	62.02	65.75	59.57
Cd 226.502	-0.0717u	0.0392	0.1140
Co 228.615	0.4714	0.5769	-0.0395u
Cr 267.716	-0.0906u	-0.0363u	0.1102
Cu 324.754	0.4036	0.9475	0.3540
Fe 271.441	10.7647	16.5067	12.7914
K 766.491	-0.1595u	0.7579	-0.2637u
Mg 279.078	2.0519	6.3222	2.6947
Mn 257.610	-0.0331u	-0.0182u	-0.0363u
Mo 202.032	0.0606	-0.0202u	0.0652
Na 330.237	64.8645	104.351	-124.898u
Ni 231.604	-0.0066u	-0.3735u	-0.6586u
Pb 220.353	1.4311	-0.0519u	2.3308
Sb 206.834	-1.8201u	5.2756	2.5718
Se 196.026	1.4420	-1.9045u	-0.6736u
Sn 189.925	-1.8307u	-1.2937u	-0.4146u
Sr 216.596	-0.1719u	-0.0309u	-0.4119u
Ti 334.941	0.0993	0.0656	0.0645
Tl 190.794	-4.4868u	-3.9836u	-0.2114u
V 292.401	0.1329	0.0283	-0.1017u
Zn 206.200	2.5218	1.2843	0.7690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2756	ppb	0.1168	42.4	-43.2871
Al 308.215	2.1285	ppb	1.5582	73.2	82.1631
As 188.980	-0.3134	ppb	3.8163	1217.7	-6.8773
B 249.678	1.0414	ppb	0.4347	41.7	161.183
Ba 389.178	-0.6815	ppb	0.5849	85.8	-10.2653
Be 313.042	0.0002	ppb	0.0015	781.5	-376.608
Ca 370.602	62.44	ppb	3.113	5.0	207.2
Cd 226.502	0.0272	ppb	0.0934	344.1	38.4475
Co 228.615	0.3363	ppb	0.3297	98.0	12.0577
Cr 267.716	-0.0056	ppb	0.1039	1868.8	17.1877
Cu 324.754	0.5683	ppb	0.3293	57.9	289.968
Fe 271.441	13.3543	ppb	2.9121	21.8	132.712
K 766.491	0.1116	ppb	0.5622	503.8	374.877
Mg 279.078	3.6896	ppb	2.3024	62.4	47.7649
Mn 257.610	-0.0292	ppb	0.0097	33.1	66.1113
Mo 202.032	0.0352	ppb	0.0480	136.4	17.1661
Na 330.237	14.7723	ppb	122.559	829.7	69.7486
Ni 231.604	-0.3462	ppb	0.3269	94.4	-6.9166
Pb 220.353	1.2367	ppb	1.2032	97.3	34.2125
Sb 206.834	2.0091	ppb	3.5812	178.2	6.1117
Se 196.026	-0.3787	ppb	1.6926	446.9	11.5532
Sn 189.925	-1.1797	ppb	0.7149	60.6	-13.6811
Sr 216.596	-0.2049	ppb	0.1926	94.0	17.6787
Ti 334.941	0.0765	ppb	0.0198	25.9	-18.2158
Tl 190.794	-2.8939	ppb	2.3367	80.7	-18.9009
V 292.401	0.0198	ppb	0.1175	592.3	-8.0155
Zn 206.200	1.5250	ppb	0.9009	59.1	15.7777

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89896-c-23-aSD^5 (Samp) 5/7/2013, 11:14:56 PM Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1286u	-0.2675u	-0.2809u
Al 308.215	0.4657	-0.9636u	0.8892
As 188.980	1.8778	1.9954	8.4402
B 249.678	-1.6447u	-1.8617u	-1.1506u
Ba 389.178	-0.4627u	-0.6887u	-1.0246u
Be 313.042	0.0008	-0.0151u	-0.0067u
Ca 370.602	9.185	4.231	9.569
Cd 226.502	0.0121	-0.1662u	-0.0311u
Co 228.615	0.4616	0.4293	0.8944
Cr 267.716	-0.1170u	-0.3166u	-0.1004u
Cu 324.754	-0.1253u	0.1761	0.0890
Fe 271.441	1.2488	3.5587	0.1455
K 766.491	-1.9887u	-0.9143u	-0.8497u
Mg 279.078	-1.0745u	3.2894	1.0567
Mn 257.610	0.0269	0.0141	0.0581
Mo 202.032	-0.4322u	-0.6319u	0.6925
Na 330.237	3.7711	39.6719	-221.101u
Ni 231.604	1.0985	-1.1776u	0.1895
Pb 220.353	1.9990	-0.1313u	1.2069
Sb 206.834	5.1232	-0.8197u	0.1220
Se 196.026	-1.1535u	1.2829	4.0381
Sn 189.925	0.9449	-1.6366u	-1.0423u
Sr 216.596	-0.2976u	-0.2960u	-0.5505u
Ti 334.941	-0.0204u	-0.0351u	0.0088
Tl 190.794	1.8597	-0.0520u	-0.8896u
V 292.401	-0.2498u	0.0357	-0.5051u
Zn 206.200	1.0820	2.1116	0.2727

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2257	ppb	0.0843	37.4	-39.2350
Al 308.215	0.1304	ppb	0.9708	744.4	72.8840
As 188.980	4.1045	ppb	3.7553	91.5	-4.7608
B 249.678	-1.5523	ppb	0.3645	23.5	126.118
Ba 389.178	-0.7253	ppb	0.2827	39.0	-11.3082
Be 313.042	-0.0070	ppb	0.0080	113.6	-390.262
Ca 370.602	7.662	ppb	2.977	38.9	32.12
Cd 226.502	-0.0617	ppb	0.0930	150.6	34.7212
Co 228.615	0.5951	ppb	0.2597	43.6	15.5559
Cr 267.716	-0.1780	ppb	0.1203	67.6	8.0774
Cu 324.754	0.0466	ppb	0.1551	333.0	265.348
Fe 271.441	1.6510	ppb	1.7418	105.5	110.925
K 766.491	-1.2509	ppb	0.6397	51.1	322.368
Mg 279.078	1.0905	ppb	2.1821	200.1	41.7062
Mn 257.610	0.0330	ppb	0.0226	68.5	82.6781
Mo 202.032	-0.1238	ppb	0.7140	576.6	15.8671
Na 330.237	-59.2194	ppb	141.338	238.7	65.7241
Ni 231.604	0.0368	ppb	1.1457	3113.8	-5.7284
Pb 220.353	1.0249	ppb	1.0768	105.1	33.7722
Sb 206.834	1.4752	ppb	3.1942	216.5	5.4525
Se 196.026	1.3892	ppb	2.5974	187.0	12.5309
Sn 189.925	-0.5780	ppb	1.3519	233.9	-13.0706
Sr 216.596	-0.3814	ppb	0.1465	38.4	15.4054
Ti 334.941	-0.0156	ppb	0.0224	143.8	-46.5094
Tl 190.794	0.3061	ppb	1.4092	460.4	-15.3465
V 292.401	-0.2397	ppb	0.2706	112.9	-15.5890
Zn 206.200	1.1554	ppb	0.9216	79.8	0.9745

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89896-c-23-aPDS (Samp) 5/7/2013, 11:20:20 PM Rack 2, Tube 19****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.5258	47.9183	48.1069
Al 308.215	1888.81	1882.51	1888.67
As 188.980	2075.08	2097.57	2086.79
B 249.678	970.971	973.333	981.866
Ba 389.178	2080.57	2075.53	2081.38
Be 313.042	51.4394	51.2993	51.4971
Ca 370.602	5047	5034	5046
Cd 226.502	51.3596	51.2045	51.2460
Co 228.615	525.999	520.200	524.583
Cr 267.716	206.984	207.137	207.954
Cu 324.754	255.989	256.868	258.210
Fe 271.441	993.502	990.298	998.242
K 766.491	4999.76	4973.19	4996.62
Mg 279.078	4985.32	4975.89	4986.94
Mn 257.610	536.510	534.835	536.273
Mo 202.032	514.738	512.387	514.848
Na 330.237	4915.66	4757.30	4884.19
Ni 231.604	511.845	509.286	511.783
Pb 220.353	489.291	493.573	497.337
Sb 206.834	482.270	481.663	485.759
Se 196.026	1943.12	1943.11	1962.08
Sn 189.925	1020.86	1010.69	1013.71
Sr 216.596	520.059	520.390	520.134
Ti 334.941	1005.28	1005.30	1009.64
Tl 190.794	2066.55	2056.22	2051.78
V 292.401	496.175	495.277	497.397
Zn 206.200	509.774	511.458	510.906

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.8503	ppb	0.2964	0.6	3829.56
Al 308.215	1886.66	ppb	3.5961	0.2	8875.22
As 188.980	2086.48	ppb	11.2490	0.5	992.896
B 249.678	975.390	ppb	5.7313	0.6	13337.6
Ba 389.178	2079.16	ppb	3.1702	0.2	48330.2
Be 313.042	51.4119	ppb	0.1017	0.2	97156.2
Ca 370.602	5042	ppb	7.396	0.1	16330
Cd 226.502	51.2700	ppb	0.0803	0.2	2166.79
Co 228.615	523.594	ppb	3.0233	0.6	7093.78
Cr 267.716	207.358	ppb	0.5216	0.3	10971.2
Cu 324.754	257.022	ppb	1.1189	0.4	12398.9
Fe 271.441	994.014	ppb	3.9966	0.4	2055.56
K 766.491	4989.86	ppb	14.5191	0.3	192678
Mg 279.078	4982.71	ppb	5.9670	0.1	11639.7
Mn 257.610	535.873	ppb	0.9065	0.2	143382
Mo 202.032	513.991	ppb	1.3898	0.3	4217.60
Na 330.237	4852.38	ppb	83.8365	1.7	320.920
Ni 231.604	510.971	ppb	1.4598	0.3	1579.75
Pb 220.353	493.400	ppb	4.0254	0.8	1055.95
Sb 206.834	483.230	ppb	2.2104	0.5	594.726
Se 196.026	1949.44	ppb	10.9465	0.6	1090.16
Sn 189.925	1015.09	ppb	5.2272	0.5	1017.64
Sr 216.596	520.194	ppb	0.1737	0.0	6679.25
Ti 334.941	1006.74	ppb	2.5114	0.2	309373
Tl 190.794	2058.18	ppb	7.5753	0.4	2269.46
V 292.401	496.283	ppb	1.0642	0.2	14429.5
Zn 206.200	510.713	ppb	0.8581	0.2	831.150



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89880-e-2-a (Samp) 5/7/2013, 11:25:45 PM Rack 2, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0478u	-0.0805u	0.1083
Al 308.215	136.896	133.425	134.936
As 188.980	-1.7106u	-4.7953u	-0.4782u
B 249.678	328.548	325.874	327.035
Ba 389.178	15.6413	15.4223	15.1601
Be 313.042	0.0057u	0.0008u	-0.0005u
Ca 370.602	7950	7874	7941
Cd 226.502	0.3564	0.3149	0.3678
Co 228.615	32.4432	32.3240	33.1079
Cr 267.716	5.3541	5.3456	5.4032
Cu 324.754	8.9874	9.4198	9.4575
Fe 271.441	1042.15	1026.33	1036.51
K 766.491	38777.7	38220.3	38593.5
Mg 279.078	76908.7	76330.1	76737.3
Mn 257.610	71.8924	71.1514	71.6290
Mo 202.032	5.7982	5.6675	5.1995
Na 330.237	324507x	324154x	325492x
Ni 231.604	15.7683	16.2949	16.9089
Pb 220.353	10.8838	11.3872	13.6131
Sb 206.834	128.615	131.291	130.311
Se 196.026	8.3705	9.8965	11.7556
Sn 189.925	-1.0441u	1.5170	0.7593
Sr 216.596	29.8494	29.8299	29.5804
Ti 334.941	2.5540	2.5765	2.5657
Tl 190.794	-0.0495u	0.7017	-3.1246u
V 292.401	2.3287	2.2387	2.0493
Zn 206.200	310.671	309.510	307.220

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0067b	ppb	0.1009	1510.6	-23.9098
Al 308.215	135.086b	ppb	1.7402	1.3	699.690
As 188.980	-2.3280b	ppb	2.2238	95.5	-7.8000
B 249.678	327.152b	ppb	1.3409	0.4	4570.47
Ba 389.178	15.4079b	ppb	0.2409	1.6	565.838
Be 313.042	0.0020b	ppb	0.0032	164.1	-414.229
Ca 370.602	7921b	ppb	41.64	0.5	25377
Cd 226.502	0.3464b	ppb	0.0279	8.0	54.5424
Co 228.615	32.6250b	ppb	0.4224	1.3	448.327
Cr 267.716	5.3676b	ppb	0.0311	0.6	308.008
Cu 324.754	9.2882b	ppb	0.2612	2.8	701.796
Fe 271.441	1034.99b	ppb	8.0154	0.8	2044.10
K 766.491	38530.5b	ppb	284.021	0.7	1485323
Mg 279.078	76658.7b	ppb	297.238	0.4	178664
Mn 257.610	71.5576b	ppb	0.3757	0.5	19927.1
Mo 202.032	5.5551b	ppb	0.3148	5.7	62.2282
Na 330.237	324718xb	ppb	693.407	0.2	17776.0
Ni 231.604	16.3241b	ppb	0.5709	3.5	44.8376
Pb 220.353	11.9614b	ppb	1.4524	12.1	56.5092
Sb 206.834	130.072b	ppb	1.3536	1.0	164.204
Se 196.026	10.0075b	ppb	1.6953	16.9	17.3251
Sn 189.925	0.4107b	ppb	1.3157	320.3	-11.9223
Sr 216.596	29.7532b	ppb	0.1500	0.5	403.990
Ti 334.941	2.5654b	ppb	0.0112	0.4	1098.47
Tl 190.794	-0.8241b	ppb	2.0274	246.0	-16.7641
V 292.401	2.2056b	ppb	0.1426	6.5	52.7760
Zn 206.200	309.133b	ppb	1.7558	0.6	508.163

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89876-a-1-a (Samp)**                      **5/7/2013, 11:31:11 PM**                      **Rack 2, Tube 21**  
**Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1606u	-0.2649u	-0.3677u
Al 308.215	225.666	228.610	230.004
As 188.980	1.7281	4.7699	4.8170
B 249.678	16.5106	16.8784	16.1440
Ba 389.178	21.4404	21.1593	22.4004
Be 313.042	0.0209	0.0261	0.0102
Ca 370.602	4334	4339	4355
Cd 226.502	-0.0777	-0.0093	-0.0069
Co 228.615	-0.0100u	0.5222	0.4205
Cr 267.716	0.5053	0.2819	0.5164
Cu 324.754	1.9786	2.3554	2.2543
Fe 271.441	1181.38	1183.33	1185.52
K 766.491	1927.50	1934.24	1938.95
Mg 279.078	2266.81	2274.50	2275.47
Mn 257.610	71.0400	70.9746	71.2458
Mo 202.032	0.3245	-0.0075u	0.2198
Na 330.237	4978.46	5131.93	5054.94
Ni 231.604	0.8012	0.9868	-0.0627u
Pb 220.353	2.0938	0.8940	1.2213
Sb 206.834	3.0721	4.6788	3.3785
Se 196.026	2.7835	-0.3681u	-4.2542u
Sn 189.925	-1.7053u	0.5512	0.4823
Sr 216.596	33.4848	33.5948	33.4634
Ti 334.941	3.3028	3.2706	3.2561
Tl 190.794	-2.3432u	0.1719	-3.2743u
V 292.401	1.2917	1.1032	1.1202
Zn 206.200	4.6848	3.0047	3.1179

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2644	ppb	0.1036	39.2	-43.7190
Al 308.215	228.093	ppb	2.2150	1.0	1130.67
As 188.980	3.7717	ppb	1.7699	46.9	-4.9010
B 249.678	16.5110	ppb	0.3672	2.2	368.836
Ba 389.178	21.6667	ppb	0.6508	3.0	516.567
Be 313.042	0.0191	ppb	0.0081	42.5	-340.142
Ca 370.602	4343	ppb	10.71	0.2	13867
Cd 226.502	-0.0313	ppb	0.0402	128.3	40.3729
Co 228.615	0.3109	ppb	0.2825	90.9	11.7628
Cr 267.716	0.4345	ppb	0.1323	30.4	41.1751
Cu 324.754	2.1961	ppb	0.1950	8.9	367.088
Fe 271.441	1183.41	ppb	2.0736	0.2	2315.50
K 766.491	1933.56	ppb	5.7547	0.3	74889.3
Mg 279.078	2272.26	ppb	4.7441	0.2	5332.78
Mn 257.610	71.0868	ppb	0.1415	0.2	19103.0
Mo 202.032	0.1790	ppb	0.1697	94.8	18.2728
Na 330.237	5055.11	ppb	76.7384	1.5	344.170
Ni 231.604	0.5751	ppb	0.5601	97.4	-4.0289
Pb 220.353	1.4030	ppb	0.6202	44.2	34.5802
Sb 206.834	3.7098	ppb	0.8530	23.0	8.2472
Se 196.026	-0.6129	ppb	3.5252	575.1	11.4510
Sn 189.925	-0.2239	ppb	1.2834	573.2	-12.7068
Sr 216.596	33.5143	ppb	0.0705	0.2	452.592
Ti 334.941	3.2765	ppb	0.0239	0.7	976.155
Tl 190.794	-1.8152	ppb	1.7827	98.2	-17.8848
V 292.401	1.1717	ppb	0.1042	8.9	25.7166
Zn 206.200	3.6025	ppb	0.9390	26.1	5.0946

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680-89876-a-2-a (Samp)

5/7/2013, 11:36:37 PM

Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4089u	-0.0499u	0.1781
Al 308.215	404.362	407.633	401.350
As 188.980	-1.4584u	3.7312	5.5349
B 249.678	8.6232	9.0805	7.5014
Ba 389.178	14.3906	13.7788	13.3757
Be 313.042	0.0414	0.0347	0.0429
Ca 370.602	489.5	490.5	484.8
Cd 226.502	-0.0317u	0.0535	-0.1012u
Co 228.615	0.5052	0.4797	1.1652
Cr 267.716	0.1674	0.2156	0.4823
Cu 324.754	1.1235	1.0219	0.1127
Fe 271.441	238.639	244.051	237.710
K 766.491	276.948	279.640	276.067
Mg 279.078	367.257	371.745	363.027
Mn 257.610	17.7878	17.9980	17.7468
Mo 202.032	-0.0979u	0.2899	0.2149
Na 330.237	1511.07	1609.07	1617.63
Ni 231.604	1.3550	1.0290	1.5026
Pb 220.353	3.3544	2.9118	3.9959
Sb 206.834	4.8362	1.7567	2.1642
Se 196.026	-0.4479u	4.3149	-1.1633u
Sn 189.925	0.7937	-0.3597u	-1.1440u
Sr 216.596	5.5109	5.3850	5.0160
Ti 334.941	1.9583	2.0119	2.0354
Tl 190.794	-3.9348u	-1.7086u	1.4411
V 292.401	0.7433	0.6373	0.8892
Zn 206.200	11.9571	11.7668	11.3141

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0936	ppb	0.2959	316.1	-28.7386
Al 308.215	404.449	ppb	3.1424	0.8	1949.02
As 188.980	2.6026	ppb	3.6307	139.5	-5.4792
B 249.678	8.4017	ppb	0.8125	9.7	260.425
Ba 389.178	13.8484	ppb	0.5110	3.7	328.592
Be 313.042	0.0397	ppb	0.0044	11.0	-301.748
Ca 370.602	488.2	ppb	3.052	0.6	1558
Cd 226.502	-0.0265	ppb	0.0775	292.9	37.0635
Co 228.615	0.7167	ppb	0.3886	54.2	17.2344
Cr 267.716	0.2884	ppb	0.1696	58.8	32.8948
Cu 324.754	0.7527	ppb	0.5566	73.9	298.732
Fe 271.441	240.133	ppb	3.4241	1.4	555.851
K 766.491	277.552	ppb	1.8614	0.7	11067.3
Mg 279.078	367.343	ppb	4.3593	1.2	894.727
Mn 257.610	17.8442	ppb	0.1348	0.8	4848.43
Mo 202.032	0.1357	ppb	0.2057	151.6	17.9730
Na 330.237	1579.26	ppb	59.2091	3.7	154.894
Ni 231.604	1.2955	ppb	0.2424	18.7	-1.8165
Pb 220.353	3.4207	ppb	0.5451	15.9	38.7653
Sb 206.834	2.9190	ppb	1.6727	57.3	7.2399
Se 196.026	0.9012	ppb	2.9779	330.4	12.2675
Sn 189.925	-0.2367	ppb	0.9747	411.8	-12.7233
Sr 216.596	5.3040	ppb	0.2572	4.8	88.6832
Ti 334.941	2.0018	ppb	0.0395	2.0	575.201
Tl 190.794	-1.4007	ppb	2.7012	192.8	-17.2842
V 292.401	0.7566	ppb	0.1265	16.7	13.5022
Zn 206.200	11.6794	ppb	0.3303	2.8	181.567

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89876-a-3-a (Samp) 5/7/2013, 11:42:03 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4993u	-0.2578u	-0.1980u
Al 308.215	409.080	408.929	407.460
As 188.980	1.4805	6.2658	-3.9536u
B 249.678	5.8953	6.7358	6.6174
Ba 389.178	12.5987	12.7432	12.1997
Be 313.042	0.0403	0.0386	0.0386
Ca 370.602	420.1	421.4	422.9
Cd 226.502	0.0456	-0.0773u	0.0274
Co 228.615	0.7678	-0.1075u	0.5408
Cr 267.716	0.3229	0.3038	0.1070
Cu 324.754	0.7656	0.9525	-0.1098u
Fe 271.441	255.933	263.912	266.628
K 766.491	261.814	263.469	264.121
Mg 279.078	354.496	360.171	352.788
Mn 257.610	18.9906	19.0895	19.0852
Mo 202.032	0.2944	-0.3669u	0.1993
Na 330.237	1566.94	1478.26	1353.17
Ni 231.604	0.3485	0.5372	-0.1749u
Pb 220.353	1.1366	2.1322	2.3333
Sb 206.834	2.9682	2.2990	-0.6535u
Se 196.026	-0.4698u	-4.3308u	3.8621
Sn 189.925	0.3356	-1.8619u	0.9695
Sr 216.596	5.2288	5.6088	5.0525
Ti 334.941	2.2503	2.0886	2.0796
Tl 190.794	-3.1378u	-2.2604u	-0.6357u
V 292.401	0.6839	0.9020	0.7774
Zn 206.200	3.7327	2.9451	2.5429

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3184	ppb	0.1595	50.1	-46.9126
Al 308.215	408.490	ppb	0.8951	0.2	1967.75
As 188.980	1.2642	ppb	5.1131	404.4	-6.1210
B 249.678	6.4162	ppb	0.4549	7.1	233.541
Ba 389.178	12.5139	ppb	0.2815	2.2	297.588
Be 313.042	0.0392	ppb	0.0010	2.5	-302.710
Ca 370.602	421.5	ppb	1.416	0.3	1341
Cd 226.502	-0.0014	ppb	0.0663	4611.7	38.1829
Co 228.615	0.4004	ppb	0.4542	113.5	12.9672
Cr 267.716	0.2446	ppb	0.1195	48.9	30.5862
Cu 324.754	0.5361	ppb	0.5672	105.8	288.516
Fe 271.441	262.158	ppb	5.5592	2.1	596.884
K 766.491	263.135	ppb	1.1890	0.5	10511.7
Mg 279.078	355.818	ppb	3.8652	1.1	867.855
Mn 257.610	19.0551	ppb	0.0559	0.3	5172.10
Mo 202.032	0.0423	ppb	0.3575	845.9	17.2081
Na 330.237	1466.12	ppb	107.402	7.3	148.783
Ni 231.604	0.2369	ppb	0.3689	155.7	-5.1008
Pb 220.353	1.8674	ppb	0.6408	34.3	35.5363
Sb 206.834	1.5379	ppb	1.9271	125.3	5.5369
Se 196.026	-0.3128	ppb	4.0987	1310.3	11.5965
Sn 189.925	-0.1856	ppb	1.4859	800.6	-12.6715
Sr 216.596	5.2967	ppb	0.2843	5.4	88.6229
Ti 334.941	2.1395	ppb	0.0961	4.5	617.463
Tl 190.794	-2.0113	ppb	1.2695	63.1	-17.9655
V 292.401	0.7878	ppb	0.1094	13.9	14.4446
Zn 206.200	3.0736	ppb	0.6952	19.7	4.1294

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89876-a-4-a (Samp)

5/7/2013, 11:47:29 PM

Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0940	-0.1409u	-0.1838u
Al 308.215	177.860	178.227	182.237
As 188.980	-1.9954u	1.8239	-3.2234u
B 249.678	4.2643	3.6734	4.1347
Ba 389.178	17.5671	16.7701	16.7473
Be 313.042	0.0408	0.0325	0.0327
Ca 370.602	1757	1769	1776
Cd 226.502	-0.1459	-0.0270	-0.0895
Co 228.615	2.8885	2.7124	2.8821
Cr 267.716	0.5272	0.8283	0.5075
Cu 324.754	1.4438	1.5011	1.1933
Fe 271.441	1757.51	1758.86	1775.35
K 766.491	462.159	464.747	467.860
Mg 279.078	910.234	919.790	910.486
Mn 257.610	119.741	120.177	120.642
Mo 202.032	0.3010	0.1803	0.7061
Na 330.237	2100.71	2111.19	1931.66
Ni 231.604	1.6012	3.7667	1.9022
Pb 220.353	1.3276	0.3031	2.2489
Sb 206.834	-2.7373u	1.7566	2.8536
Se 196.026	0.6846	1.8359	-2.7355u
Sn 189.925	-2.4638u	-0.8980u	-0.5918u
Sr 216.596	8.6660	9.3518	9.0760
Ti 334.941	0.6790	0.6656	0.6545
Tl 190.794	0.0897u	-3.2624u	-3.7351u
V 292.401	0.5572	0.5345	0.6265
Zn 206.200	5.3768	4.4563	5.6338

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0769	ppb	0.1496	194.5	-27.0756
Al 308.215	179.442	ppb	2.4278	1.4	904.965
As 188.980	-1.1317	ppb	2.6322	232.6	-7.2720
B 249.678	4.0241	ppb	0.3106	7.7	199.171
Ba 389.178	17.0282	ppb	0.4669	2.7	406.060
Be 313.042	0.0354	ppb	0.0048	13.4	-309.668
Ca 370.602	1767	ppb	9.316	0.5	5545
Cd 226.502	-0.0875	ppb	0.0595	68.0	40.1964
Co 228.615	2.8277	ppb	0.0999	3.5	45.6611
Cr 267.716	0.6210	ppb	0.1798	29.0	51.3502
Cu 324.754	1.3794	ppb	0.1637	11.9	328.731
Fe 271.441	1763.91	ppb	9.9307	0.6	3398.86
K 766.491	464.922	ppb	2.8544	0.6	18288.5
Mg 279.078	913.503	ppb	5.4459	0.6	2165.93
Mn 257.610	120.186	ppb	0.4507	0.4	32218.0
Mo 202.032	0.3958	ppb	0.2754	69.6	20.0141
Na 330.237	2047.85	ppb	100.760	4.9	179.952
Ni 231.604	2.4233	ppb	1.1730	48.4	1.7204
Pb 220.353	1.2932	ppb	0.9733	75.3	34.3643
Sb 206.834	0.6243	ppb	2.9624	474.5	4.4513
Se 196.026	-0.0717	ppb	2.3777	3316.5	11.7677
Sn 189.925	-1.3179	ppb	1.0041	76.2	-13.8197
Sr 216.596	9.0313	ppb	0.3451	3.8	137.689
Ti 334.941	0.6663	ppb	0.0123	1.8	167.617
Tl 190.794	-2.3026	ppb	2.0852	90.6	-18.5378
V 292.401	0.5727	ppb	0.0479	8.4	8.0483
Zn 206.200	5.1556	ppb	0.6191	12.0	7.6912

**Cont Calib Verif (CCV) 5/7/2013, 11:52:55 PM Rack 2, Tube 25**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	499.974	489.750	487.138
Al 308.215	4823.91	4807.12	4872.11
As 188.980	495.042	489.609	510.643
B 249.678	502.708	497.227	503.930
Ba 389.178	5117.70	5086.13	5127.11
Be 313.042	512.100	507.759	514.659
Ca 370.602	5000	4976	5027
Cd 226.502	512.971	509.817	515.300
Co 228.615	522.759	518.929	523.124
Cr 267.716	5166.28	5130.75	5175.48
Cu 324.754	5097.16	5021.17	5082.69
Fe 271.441	4948.17	4925.03	4955.54
K 766.491	10093.6	10050.9	10093.9
Mg 279.078	4962.49	4931.03	4985.56
Mn 257.610	5279.10	5239.45	5276.96
Mo 202.032	492.572	493.376	498.839
Na 330.237	7107.67	7268.52	7237.69
Ni 231.604	2589.18	2567.33	2588.50
Pb 220.353	496.172	490.279	494.941
Sb 206.834	961.970	958.507	978.473
Se 196.026	4904.67	4872.18	4913.75
Sn 189.925	5000.91	5005.53	5075.42
Sr 216.596	2516.09	2502.95	2527.47
Ti 334.941	496.625	493.240	496.843
Tl 190.794	5016.57	4965.05	5009.50
V 292.401	4951.88	4906.11	4954.64
Zn 206.200	2606.16	2594.43	2604.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.288	ppb	6.7838	1.4	39729.4	98.45753
Al 308.215	4834.38	ppb	33.7360	0.7	22487.1	96.68758
As 188.980	498.431	ppb	10.9187	2.2	231.978	99.68623
B 249.678	501.288	ppb	3.5700	0.7	6920.18	20.05153Q
Ba 389.178	5110.31	ppb	21.4644	0.4	118770	102.20630
Be 313.042	511.506	ppb	3.4880	0.7	970734	102.30124
Ca 370.602	5001	ppb	25.38	0.5	15954	100.02319
Cd 226.502	512.696	ppb	2.7516	0.5	21311.9	102.53920
Co 228.615	521.604	ppb	2.3238	0.4	7067.43	104.32084
Cr 267.716	5157.50	ppb	23.6221	0.5	272451	103.15009
Cu 324.754	5067.01	ppb	40.3490	0.8	239298	101.34019
Fe 271.441	4942.91	ppb	15.9199	0.3	9467.74	98.85823
K 766.491	10079.5	ppb	24.7258	0.2	388831	100.79489
Mg 279.078	4959.69	ppb	27.3735	0.6	11502.2	99.19386
Mn 257.610	5265.17	ppb	22.3008	0.4	1407700	105.30335
Mo 202.032	494.929	ppb	3.4096	0.7	4052.09	98.98583
Na 330.237	7204.63	ppb	85.3721	1.2	435.389	96.06167
Ni 231.604	2581.67	ppb	12.4239	0.5	8005.35	103.26688
Pb 220.353	493.797	ppb	3.1085	0.6	1058.50	98.75948
Sb 206.834	966.317	ppb	10.6689	1.1	1256.90	96.63167
Se 196.026	4896.86	ppb	21.8539	0.4	2721.72	97.93728
Sn 189.925	5027.28	ppb	41.7480	0.8	5089.24	100.54568
Sr 216.596	2515.50	ppb	12.2750	0.5	32303.5	100.62016
Ti 334.941	495.570	ppb	2.0203	0.4	152281	99.11391
Tl 190.794	4997.04	ppb	27.9267	0.6	5527.81	99.94082
V 292.401	4937.54	ppb	27.2579	0.6	144252	98.75090
Zn 206.200	2601.78	ppb	6.4066	0.2	4224.82	104.07136

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/7/2013, 11:58:20 PM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0612u	0.1073	-0.2164u
Al 308.215	-1.0579u	-1.1360u	-2.6164u
As 188.980	0.5708	-2.9530u	0.6626
B 249.678	7.2880	6.1584	5.8467
Ba 389.178	-0.6979u	-0.5365u	0.8777
Be 313.042	0.0012	-0.0079u	0.0007
Ca 370.602	-3.471u	-1.488u	-3.444u
Cd 226.502	-0.0964u	-0.0750u	0.0139
Co 228.615	0.1223	0.1878	0.3720
Cr 267.716	-0.3079u	-0.1893u	-0.3127u
Cu 324.754	0.1848	-0.3718u	-0.0684u
Fe 271.441	-1.3245u	7.4118	2.9114
K 766.491	-1.8393u	-2.3113u	-1.7836u
Mg 279.078	0.7846	0.1395	-1.0843u
Mn 257.610	-0.1097u	-0.0837u	-0.0276u
Mo 202.032	0.0539	-0.0629u	0.0773
Na 330.237	-2.8407u	-99.8975u	39.2629
Ni 231.604	0.2321	0.6479	0.4167
Pb 220.353	2.9735	0.6784	0.6440
Sb 206.834	5.7086	5.5339	-0.0442u
Se 196.026	-0.3503u	0.5482	2.2826
Sn 189.925	-1.6308u	-0.3562u	1.9454
Sr 216.596	-0.6473u	0.0937	-0.4938u
Ti 334.941	0.0069	-0.0011u	0.0264
Tl 190.794	0.5244	-0.3697u	1.6256
V 292.401	-0.2288u	0.0098	-0.2628u
Zn 206.200	0.9145	0.2507	1.6006

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0568	ppb	0.1619	285.1	-25.5845	-0.05679
Al 308.215	-1.6034	ppb	0.8781	54.8	64.8741	-1.60342
As 188.980	-0.5732	ppb	2.0615	359.7	-7.0021	-0.57318
B 249.678	6.4310	ppb	0.7583	11.8	234.092	6.43103
Ba 389.178	-0.1189	ppb	0.8668	729.0	2.7792	-0.11891
Be 313.042	-0.0020	ppb	0.0051	253.4	-380.836	-0.00201
Ca 370.602	-2.801	ppb	1.137	40.6	-1.465	-2.80079
Cd 226.502	-0.0525	ppb	0.0585	111.5	35.1032	-0.05248
Co 228.615	0.2274	ppb	0.1294	56.9	10.5733	0.22738
Cr 267.716	-0.2699	ppb	0.0699	25.9	3.2195	-0.26992
Cu 324.754	-0.0851	ppb	0.2787	327.4	259.143	-0.08511
Fe 271.441	2.9996	ppb	4.3688	145.6	113.378	2.99957
K 766.491	-1.9781	ppb	0.2899	14.7	294.343	-1.97806
Mg 279.078	-0.0534	ppb	0.9493	1778.9	39.0429	-0.05336
Mn 257.610	-0.0737	ppb	0.0420	57.0	54.1471	-0.07367
Mo 202.032	0.0228	ppb	0.0751	329.8	17.0654	0.02276
Na 330.237	-21.1584	ppb	71.3657	337.3	67.8013	-21.15842
Ni 231.604	0.4323	ppb	0.2083	48.2	-4.5012	0.43227
Pb 220.353	1.4320	ppb	1.3351	93.2	34.6181	1.43197
Sb 206.834	3.7328	ppb	3.2721	87.7	8.2328	3.73275
Se 196.026	0.8268	ppb	1.3384	161.9	12.2199	0.82684
Sn 189.925	-0.0139	ppb	1.8125	13077.1	-12.4981	-0.01386
Sr 216.596	-0.3491	ppb	0.3911	112.0	15.7893	-0.34912
Ti 334.941	0.0107	ppb	0.0141	131.6	-38.4270	0.01075
Tl 190.794	0.5934	ppb	0.9994	168.4	-15.0275	0.59342
V 292.401	-0.1606	ppb	0.1485	92.5	-13.3338	-0.16057
Zn 206.200	0.9219	ppb	0.6750	73.2	0.5940	0.92191

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89876-a-5-a (Samp) 5/8/2013, 12:03:45 AM Rack 2, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2711u	-0.7497u	-0.4679u
Al 308.215	349.130	346.804	347.368
As 188.980	2.9388	-1.0031u	7.9803
B 249.678	7.0296	7.1482	7.0795
Ba 389.178	19.6362	20.5171	19.7561
Be 313.042	0.0586	0.0419	0.0481
Ca 370.602	6443	6458	6514
Cd 226.502	-0.1632	0.0587	-0.0402
Co 228.615	10.0178	9.9396	10.7268
Cr 267.716	0.3671	0.4024	0.2574
Cu 324.754	0.9443	0.8869	1.4308
Fe 271.441	2757.98	2765.19	2770.46
K 766.491	1019.67	1015.01	1011.12
Mg 279.078	3091.95	3094.71	3110.77
Mn 257.610	622.616	623.762	626.110
Mo 202.032	-0.2357u	0.2999	-0.3672u
Na 330.237	2545.31	2464.74	2683.52
Ni 231.604	6.5416	7.2574	6.6261
Pb 220.353	3.0897	-0.0592	3.3674
Sb 206.834	-0.9535u	1.9043	5.3016
Se 196.026	-0.8400u	-5.2785u	9.9191
Sn 189.925	0.6112	2.4490	1.2344
Sr 216.596	21.0443	20.8714	20.8262
Ti 334.941	0.7299	0.6672	0.7212
Tl 190.794	1.9891	-0.4176u	0.7849u
V 292.401	0.1416	0.6881	-0.1967u
Zn 206.200	10.2055	11.2016	11.9396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4963	ppb	0.2406	48.5	-59.1526
Al 308.215	347.767	ppb	1.2131	0.3	1685.99
As 188.980	3.3053	ppb	4.5029	136.2	-5.1228
B 249.678	7.0857	ppb	0.0595	0.8	239.226
Ba 389.178	19.9698	ppb	0.4778	2.4	481.556
Be 313.042	0.0495	ppb	0.0084	17.1	-281.377
Ca 370.602	6472	ppb	37.41	0.6	20592
Cd 226.502	-0.0482	ppb	0.1112	230.5	45.5891
Co 228.615	10.2281	ppb	0.4337	4.2	145.649
Cr 267.716	0.3423	ppb	0.0756	22.1	39.2983
Cu 324.754	1.0873	ppb	0.2989	27.5	315.225
Fe 271.441	2764.55	ppb	6.2644	0.2	5266.83
K 766.491	1015.26	ppb	4.2805	0.4	39498.5
Mg 279.078	3099.15	ppb	10.1625	0.3	7250.02
Mn 257.610	624.163	ppb	1.7813	0.3	166972
Mo 202.032	-0.1010	ppb	0.3533	349.8	15.8967
Na 330.237	2564.52	ppb	110.651	4.3	207.707
Ni 231.604	6.8084	ppb	0.3912	5.7	15.3520
Pb 220.353	2.1326	ppb	1.9033	89.2	36.2470
Sb 206.834	2.0841	ppb	3.1314	150.3	6.2852
Se 196.026	1.2669	ppb	7.8148	616.9	12.6539
Sn 189.925	1.4315	ppb	0.9347	65.3	-11.0269
Sr 216.596	20.9139	ppb	0.1151	0.6	291.632
Ti 334.941	0.7061	ppb	0.0339	4.8	190.746
Tl 190.794	0.7855	ppb	1.2033	153.2	-15.9814
V 292.401	0.2110	ppb	0.4465	211.6	-2.4416
Zn 206.200	11.1156	ppb	0.8792	7.8	17.5214



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89876-a-6-a (Samp) 5/8/2013, 12:09:10 AM Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2806	-0.1789u	-0.1438u
Al 308.215	580.162	586.797	580.633
As 188.980	1.1688	4.3312	4.9802
B 249.678	7.9116	8.0892	7.6944
Ba 389.178	17.6915	17.4795	18.1934
Be 313.042	0.0643	0.0674	0.0579
Ca 370.602	1824	1839	1825
Cd 226.502	0.0083	-0.0728	-0.1751u
Co 228.615	1.7592	1.9083	1.8213
Cr 267.716	0.6807	0.7243	0.6365
Cu 324.754	1.0406	1.0432	1.7130
Fe 271.441	1143.94	1146.72	1142.88
K 766.491	535.361	534.454	530.763
Mg 279.078	867.558	869.634	865.870
Mn 257.610	117.482	118.383	117.437
Mo 202.032	0.4695	-0.0847u	-0.3660u
Na 330.237	1793.00	1722.87	1712.06
Ni 231.604	1.0994	1.1920	0.9360
Pb 220.353	2.0927	5.3368	3.3731
Sb 206.834	2.6069	3.7158	3.8410
Se 196.026	3.8573	-0.3713u	-4.7712u
Sn 189.925	0.5724	2.1402	-1.8302u
Sr 216.596	11.1242	11.5624	11.0771
Ti 334.941	3.7264	3.6151	3.8150
Tl 190.794	-0.8976u	1.1091	0.6282
V 292.401	1.1229	1.0635	1.0797
Zn 206.200	3.7560	5.0984	5.1753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0140	ppb	0.2558	1823.3	-22.1241
Al 308.215	582.531	ppb	3.7024	0.6	2775.31
As 188.980	3.4934	ppb	2.0392	58.4	-5.0506
B 249.678	7.8984	ppb	0.1977	2.5	252.402
Ba 389.178	17.7881	ppb	0.3666	2.1	422.722
Be 313.042	0.0632	ppb	0.0049	7.7	-256.595
Ca 370.602	1829	ppb	8.079	0.4	5795
Cd 226.502	-0.0798	ppb	0.0919	115.1	38.2158
Co 228.615	1.8296	ppb	0.0749	4.1	32.3046
Cr 267.716	0.6805	ppb	0.0439	6.5	54.3218
Cu 324.754	1.2656	ppb	0.3875	30.6	323.173
Fe 271.441	1144.51	ppb	1.9798	0.2	2243.20
K 766.491	533.526	ppb	2.4354	0.5	20932.5
Mg 279.078	867.687	ppb	1.8854	0.2	2058.96
Mn 257.610	117.767	ppb	0.5334	0.5	31568.9
Mo 202.032	0.0063	ppb	0.4251	6799.6	16.8634
Na 330.237	1742.64	ppb	43.9446	2.5	163.513
Ni 231.604	1.0758	ppb	0.1296	12.0	-2.4760
Pb 220.353	3.6009	ppb	1.6340	45.4	39.1698
Sb 206.834	3.3879	ppb	0.6792	20.0	7.8534
Se 196.026	-0.4284	ppb	4.3145	1007.1	11.5656
Sn 189.925	0.2942	ppb	1.9998	679.8	-12.1838
Sr 216.596	11.2545	ppb	0.2676	2.4	165.953
Ti 334.941	3.7188	ppb	0.1002	2.7	1105.46
Tl 190.794	0.2799	ppb	1.0477	374.3	-15.6308
V 292.401	1.0887	ppb	0.0307	2.8	23.2981
Zn 206.200	4.6766	ppb	0.7982	17.1	68405

680-89876-a-7-a (Samp) 5/8/2013, 12:14:46 AM Rack 2, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2761u	-0.4730u	-0.5693u
Al 308.215	621.332	619.987	619.315
As 188.980	-0.6450u	4.8619	-2.7963u
B 249.678	6.0713	6.1117	5.7818
Ba 389.178	17.4766	17.6891	16.9082
Be 313.042	0.0584	0.0582	0.0589
Ca 370.602	4664	4640	4649
Cd 226.502	-0.1176	-0.0228	0.0555
Co 228.615	7.1901	7.9996	7.4345
Cr 267.716	0.4139	0.3704	0.2389
Cu 324.754	1.1978	1.2378	0.7763
Fe 271.441	2050.70	2046.18	2053.23
K 766.491	669.462	671.338	671.172
Mg 279.078	2083.19	2084.82	2099.50
Mn 257.610	546.270	546.268	546.757
Mo 202.032	-0.3454u	0.2643	0.9245
Na 330.237	1994.80	2005.32	2054.76
Ni 231.604	6.0948	6.7297	7.9434
Pb 220.353	2.9304	1.1465	0.6369
Sb 206.834	2.4935	2.9842	4.3021
Se 196.026	5.7986	-0.8344u	1.5754
Sn 189.925	2.2646	-0.2272u	0.8563
Sr 216.596	17.0329	17.4255	17.4110
Ti 334.941	2.5422	2.2952	2.3874
Tl 190.794	-0.1443u	-2.6412u	1.0339
V 292.401	0.3249	0.2817	1.0410
Zn 206.200	11.8503	10.2770	12.1551

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4395	ppb	0.1494	34.0	-54.7284
Al 308.215	620.211	ppb	1.0273	0.2	2950.20
As 188.980	0.4735	ppb	3.9497	834.1	-6.4860
B 249.678	5.9883	ppb	0.1799	3.0	225.348
Ba 389.178	17.3580	ppb	0.4037	2.3	417.201
Be 313.042	0.0585	ppb	0.0003	0.6	-264.839
Ca 370.602	4651	ppb	11.87	0.3	14799
Cd 226.502	-0.0283	ppb	0.0867	306.1	43.7363
Co 228.615	7.5414	ppb	0.4152	5.5	109.406
Cr 267.716	0.3411	ppb	0.0911	26.7	38.6689
Cu 324.754	1.0706	ppb	0.2557	23.9	314.242
Fe 271.441	2050.04	ppb	3.5704	0.2	3933.44
K 766.491	670.657	ppb	1.0383	0.2	26217.5
Mg 279.078	2089.17	ppb	8.9830	0.4	4897.77
Mn 257.610	546.432	ppb	0.2820	0.1	146180
Mo 202.032	0.2811	ppb	0.6351	225.9	19.0605
Na 330.237	2018.29	ppb	32.0138	1.6	178.168
Ni 231.604	6.9226	ppb	0.9393	13.6	15.6891
Pb 220.353	1.5713	ppb	1.2043	76.6	35.0644
Sb 206.834	3.2600	ppb	0.9353	28.7	7.7110
Se 196.026	2.1798	ppb	3.3576	154.0	13.1327
Sn 189.925	0.9646	ppb	1.2494	129.5	-11.5020
Sr 216.596	17.2898	ppb	0.2226	1.3	244.344
Ti 334.941	2.4083	ppb	0.1248	5.2	708.803
Tl 190.794	-0.5838	ppb	1.8765	321.4	-17.3363
V 292.401	0.5492	ppb	0.4264	77.6	7.4181
Zn 206.200	11.4275	ppb	1.0079	8.8	17.9492

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680-89876-a-8-a (Samp) 5/8/2013, 12:20:12 AM Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2614	-0.1994u	-0.5140u
Al 308.215	336.589	332.517	334.283
As 188.980	6.0781	-2.1232u	1.9142
B 249.678	5.2060	4.5041	5.7117
Ba 389.178	21.7824	21.1446	21.8401
Be 313.042	0.0201	0.0206	0.0232
Ca 370.602	4177	4124	4137
Cd 226.502	-0.0089	-0.0019	-0.2788u
Co 228.615	0.8837	0.6846	0.5404
Cr 267.716	0.5081	0.4875	0.3488
Cu 324.754	2.4735	2.7849	1.8164
Fe 271.441	1265.26	1262.85	1268.30
K 766.491	1894.49	1892.69	1890.68
Mg 279.078	2183.85	2167.69	2172.11
Mn 257.610	70.4484	69.9222	70.0884
Mo 202.032	-0.1035u	0.0579	0.1012
Na 330.237	4864.13	4791.15	4991.50
Ni 231.604	0.9499	0.5670	1.0257
Pb 220.353	2.4298	0.7130	4.0479
Sb 206.834	3.4866	1.1462	-0.6281u
Se 196.026	7.0660	-2.2058u	-1.6329u
Sn 189.925	-0.6317u	-1.7160u	-0.5753u
Sr 216.596	31.8065	32.8103	32.4810
Ti 334.941	5.4941	5.2903	5.2387
Tl 190.794	1.1096	-0.3959u	-3.6963u
V 292.401	1.5543	1.7461	1.3853
Zn 206.200	6.9983	6.3108	8.5561

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1507	ppb	0.3900	258.8	-34.4495
Al 308.215	334.463	ppb	2.0422	0.6	1624.25
As 188.980	1.9564	ppb	4.1008	209.6	-5.7727
B 249.678	5.1406	ppb	0.6065	11.8	214.942
Ba 389.178	21.5890	ppb	0.3860	1.8	514.623
Be 313.042	0.0213	ppb	0.0017	7.8	-335.998
Ca 370.602	4146	ppb	27.43	0.7	13228
Cd 226.502	-0.0965	ppb	0.1579	163.5	37.9766
Co 228.615	0.7029	ppb	0.1724	24.5	17.1147
Cr 267.716	0.4481	ppb	0.0866	19.3	41.9088
Cu 324.754	2.3583	ppb	0.4944	21.0	374.762
Fe 271.441	1265.47	ppb	2.7310	0.2	2468.66
K 766.491	1892.62	ppb	1.9081	0.1	73311.5
Mg 279.078	2174.55	ppb	8.3552	0.4	5105.09
Mn 257.610	70.1530	ppb	0.2689	0.4	18852.7
Mo 202.032	0.0185	ppb	0.1079	582.8	16.9557
Na 330.237	4882.26	ppb	101.396	2.1	334.664
Ni 231.604	0.8475	ppb	0.2459	29.0	-3.1816
Pb 220.353	2.3969	ppb	1.6677	69.6	36.6471
Sb 206.834	1.3349	ppb	2.0638	154.6	5.3156
Se 196.026	1.0758	ppb	5.1956	483.0	12.3853
Sn 189.925	-0.9743	ppb	0.6429	66.0	-13.4686
Sr 216.596	32.3659	ppb	0.5117	1.6	437.833
Ti 334.941	5.3410	ppb	0.1351	2.5	1610.17
Tl 190.794	-0.9942	ppb	2.4582	247.3	-16.9758
V 292.401	1.5619	ppb	0.1805	11.6	37.1568
Zn 206.200	7.2884	ppb	1.1504	15.8	111131

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3656u	-0.5941u	-0.3298u
Al 308.215	775.124	778.192	768.903
As 188.980	1.8869	3.0361	-6.1274u
B 249.678	5.3307	5.4097	4.7063
Ba 389.178	18.0180	18.6492	17.5466
Be 313.042	0.0974	0.0969	0.1015
Ca 370.602	5059	5082	5033
Cd 226.502	-0.0707	-0.0411	-0.1342
Co 228.615	8.5566	8.6550	9.0111
Cr 267.716	0.4098	0.6974	0.3839
Cu 324.754	1.9077	0.9304	1.3032
Fe 271.441	2324.52	2333.75	2321.86
K 766.491	682.786	688.628	680.323
Mg 279.078	2254.40	2258.36	2250.73
Mn 257.610	566.915	568.888	565.047
Mo 202.032	-0.0290u	-0.2896u	0.1474
Na 330.237	2228.95	2259.26	2415.69
Ni 231.604	7.9273	7.7552	7.9439
Pb 220.353	0.5071	2.2348	1.5106
Sb 206.834	0.8510	-0.4868u	5.1480
Se 196.026	1.2004	-0.2467	-10.0207u
Sn 189.925	0.4297	1.2439	0.7387
Sr 216.596	20.6183	21.1028	21.4105
Ti 334.941	2.6572	2.8069	2.6986
Tl 190.794	0.4229u	1.2944	-0.2484u
V 292.401	0.4409	0.8156	0.6085
Zn 206.200	11.9464	11.1683	12.6498

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4298	ppb	0.1434	33.4	-54.0283
Al 308.215	774.073	ppb	4.7329	0.6	3664.10
As 188.980	-0.4015	ppb	4.9920	1243.4	-6.9047
B 249.678	5.1489	ppb	0.3853	7.5	213.626
Ba 389.178	18.0713	ppb	0.5533	3.1	434.596
Be 313.042	0.0986	ppb	0.0025	2.6	-188.504
Ca 370.602	5058	ppb	24.76	0.5	16086
Cd 226.502	-0.0820	ppb	0.0476	58.0	42.5355
Co 228.615	8.7409	ppb	0.2391	2.7	125.631
Cr 267.716	0.4970	ppb	0.1740	35.0	47.0864
Cu 324.754	1.3804	ppb	0.4932	35.7	328.923
Fe 271.441	2326.71	ppb	6.2431	0.3	4449.79
K 766.491	683.912	ppb	4.2653	0.6	26728.3
Mg 279.078	2254.50	ppb	3.8165	0.2	5282.65
Mn 257.610	566.950	ppb	1.9210	0.3	151668
Mo 202.032	-0.0571	ppb	0.2198	385.2	16.2801
Na 330.237	2301.30	ppb	100.214	4.4	193.490
Ni 231.604	7.8755	ppb	0.1045	1.3	18.6527
Pb 220.353	1.4175	ppb	0.8676	61.2	34.7536
Sb 206.834	1.8374	ppb	2.9440	160.2	5.9714
Se 196.026	-3.0223	ppb	6.1038	202.0	10.2628
Sn 189.925	0.8041	ppb	0.4110	51.1	-11.6644
Sr 216.596	21.0439	ppb	0.3994	1.9	292.839
Ti 334.941	2.7209	ppb	0.0773	2.8	805.716
Tl 190.794	0.4897	ppb	0.7736	158.0	-16.1922
V 292.401	0.6217	ppb	0.1877	30.2	9.6168
Zn 206.200	11.9215	ppb	0.7411	6.2	18.7851

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680-89876-a-10-a (Samp) 5/8/2013, 12:31:14 AM Rack 2, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2066u	-0.0967u	0.0383
Al 308.215	315.584	315.721	315.584
As 188.980	-5.3364u	-9.0692u	6.5050
B 249.678	4.6353	5.2132	5.0233
Ba 389.178	20.1989	22.0436	21.4721
Be 313.042	0.0334	0.0324	0.0341
Ca 370.602	4118	4100	4108
Cd 226.502	-0.1526u	-0.1395u	0.0415
Co 228.615	0.9894	1.1678	1.5599
Cr 267.716	0.2551	0.4532	0.2062
Cu 324.754	2.0763	1.6749	2.4696
Fe 271.441	1341.28	1341.61	1339.87
K 766.491	1735.16	1727.36	1729.80
Mg 279.078	2113.80	2108.02	2109.72
Mn 257.610	121.426	121.797	121.550
Mo 202.032	0.4432	0.3221	0.2441
Na 330.237	4286.07	4370.16	4364.08
Ni 231.604	1.3306	1.4767	1.7026
Pb 220.353	2.7769	2.1615	3.6691
Sb 206.834	0.5000	0.4351	-1.2941u
Se 196.026	7.4674	8.9116	1.0159
Sn 189.925	-0.6826u	3.9591	-2.3630u
Sr 216.596	30.1082	29.0104	30.0209
Ti 334.941	3.8159	3.7388	3.8201
Tl 190.794	-0.5782u	0.7396	-0.3553u
V 292.401	1.4868	1.3582	0.9585
Zn 206.200	4.1260	5.3085	5.3643

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0884	ppb	0.1226	138.8	-29.0310
Al 308.215	315.630	ppb	0.0791	0.0	1536.89
As 188.980	-2.6335	ppb	8.1313	308.8	-7.9728
B 249.678	4.9573	ppb	0.2946	5.9	212.360
Ba 389.178	21.2382	ppb	0.9443	4.4	506.413
Be 313.042	0.0333	ppb	0.0009	2.6	-313.131
Ca 370.602	4109	ppb	8.980	0.2	13104
Cd 226.502	-0.0835	ppb	0.1085	129.8	38.7989
Co 228.615	1.2390	ppb	0.2918	23.6	24.2996
Cr 267.716	0.3048	ppb	0.1308	42.9	34.5907
Cu 324.754	2.0736	ppb	0.3974	19.2	361.361
Fe 271.441	1340.92	ppb	0.9227	0.1	2609.51
K 766.491	1730.77	ppb	3.9904	0.2	67073.9
Mg 279.078	2110.51	ppb	2.9710	0.1	4954.97
Mn 257.610	121.591	ppb	0.1888	0.2	32603.4
Mo 202.032	0.3365	ppb	0.1003	29.8	19.5513
Na 330.237	4340.10	ppb	46.8906	1.1	305.100
Ni 231.604	1.5033	ppb	0.1874	12.5	-1.1448
Pb 220.353	2.8692	ppb	0.7580	26.4	37.6429
Sb 206.834	-0.1197	ppb	1.0176	850.5	3.5164
Se 196.026	5.7983	ppb	4.2041	72.5	15.0120
Sn 189.925	0.3045	ppb	3.2746	1075.4	-12.1710
Sr 216.596	29.7132	ppb	0.6102	2.1	403.737
Ti 334.941	3.7916	ppb	0.0458	1.2	1133.75
Tl 190.794	-0.0646	ppb	0.7054	1091.4	-16.0314
V 292.401	1.2679	ppb	0.2755	21.7	28.4759
Zn 206.200	4.9329	ppb	0.6993	14.2	7.2819

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**680-89876-a-10-b ms (Samp) 5/8/2013, 12:36:40 AM Rack 2, Tube 33****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.1995	50.9378	50.5733
Al 308.215	5317.50	5296.64	5288.89
As 188.980	116.226	100.770	110.715
B 249.678	200.752	201.781	202.093
Ba 389.178	128.209	127.143	128.350
Be 313.042	54.4269	54.3128	54.3559
Ca 370.602	9329	9317	9310
Cd 226.502	53.1300	52.8196	52.6895
Co 228.615	55.6239	54.8275	55.1903
Cr 267.716	108.365	107.819	107.914
Cu 324.754	109.501	110.112	108.201
Fe 271.441	6491.59	6469.25	6480.54
K 766.491	6900.04	6868.27	6898.79
Mg 279.078	7269.75	7240.17	7233.39
Mn 257.610	680.516	678.412	679.512
Mo 202.032	101.763	102.209	102.154
Na 330.237	9635.16	9700.81	9612.74
Ni 231.604	105.032	106.906	107.504
Pb 220.353	54.4431	54.0020	54.1670
Sb 206.834	54.5700	51.6314	49.9324
Se 196.026	107.103	99.8266	100.940
Sn 189.925	201.344	202.786	202.626
Sr 216.596	135.258	134.042	135.105
Ti 334.941	106.696	106.266	106.219
Tl 190.794	37.2941	41.2123	40.2048
V 292.401	104.914	104.761	104.844
Zn 206.200	114.775	109.970	109.902

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9036	ppb	0.3145	0.6	4093.29
Al 308.215	5301.01	ppb	14.7974	0.3	24679.3
As 188.980	109.237	ppb	7.8333	7.2	45.6008
B 249.678	201.542	ppb	0.7019	0.3	2864.21
Ba 389.178	127.901	ppb	0.6597	0.5	3006.06
Be 313.042	54.3652	ppb	0.0576	0.1	102847
Ca 370.602	9319	ppb	9.627	0.1	29457
Cd 226.502	52.8797	ppb	0.2263	0.4	2253.78
Co 228.615	55.2139	ppb	0.3987	0.7	752.880
Cr 267.716	108.032	ppb	0.2920	0.3	5728.39
Cu 324.754	109.271	ppb	0.9761	0.9	5422.20
Fe 271.441	6480.46	ppb	11.1692	0.2	12207.8
K 766.491	6889.03	ppb	17.9947	0.3	265872
Mg 279.078	7247.77	ppb	19.3357	0.3	16915.1
Mn 257.610	679.480	ppb	1.0523	0.2	181811
Mo 202.032	102.042	ppb	0.2430	0.2	850.476
Na 330.237	9649.57	ppb	45.7708	0.5	591.078
Ni 231.604	106.480	ppb	1.2898	1.2	324.733
Pb 220.353	54.2041	ppb	0.2229	0.4	144.379
Sb 206.834	52.0446	ppb	2.3462	4.5	68.2137
Se 196.026	102.623	ppb	3.9195	3.8	68.7540
Sn 189.925	202.252	ppb	0.7902	0.4	192.771
Sr 216.596	134.801	ppb	0.6623	0.5	1752.56
Ti 334.941	106.394	ppb	0.2628	0.2	32691.1
Tl 190.794	39.5704	ppb	2.0347	5.1	26.8244
V 292.401	104.840	ppb	0.0770	0.1	3036.79
Zn 206.200	111.549	ppb	2.7942	2.5	181.330

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**680-89876-a-10-c msd (Samp) 5/8/2013, 12:42:06 AM Rack 2, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.2170	48.6839	49.3399
Al 308.215	5141.38	5171.06	5174.60
As 188.980	107.034	112.725	106.214
B 249.678	196.448	198.223	199.128
Ba 389.178	124.347	123.608	124.738
Be 313.042	52.3408	52.5565	52.6746
Ca 370.602	9008	9053	9052
Cd 226.502	51.3916	51.2617	51.1971
Co 228.615	52.7343	52.6217	52.6701
Cr 267.716	103.938	104.559	104.652
Cu 324.754	104.224	105.418	105.583
Fe 271.441	6273.43	6303.42	6304.43
K 766.491	6665.41	6685.26	6714.28
Mg 279.078	7014.67	7038.52	7057.31
Mn 257.610	655.525	657.284	658.525
Mo 202.032	99.1327	99.2520	99.3415
Na 330.237	9213.52	9153.85	9417.64
Ni 231.604	102.674	103.457	103.594
Pb 220.353	51.3119	52.0482	50.5432
Sb 206.834	48.8938	45.4587	48.4300
Se 196.026	94.7266	98.5503	97.0258
Sn 189.925	194.661	188.908	192.341
Sr 216.596	129.827	131.226	131.127
Ti 334.941	102.738	103.358	104.194
Tl 190.794	38.6120	38.4130	38.2144
V 292.401	100.949	100.941	101.232
Zn 206.200	107.128	106.047	106.163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7470	ppb	0.5641	1.2	3918.97
Al 308.215	5162.35	ppb	18.2485	0.4	24035.6
As 188.980	108.658	ppb	3.5460	3.3	45.3234
B 249.678	197.933	ppb	1.3638	0.7	2815.66
Ba 389.178	124.231	ppb	0.5741	0.5	2919.94
Be 313.042	52.5239	ppb	0.1693	0.3	99350.5
Ca 370.602	9038	ppb	25.75	0.3	28568
Cd 226.502	51.2835	ppb	0.0990	0.2	2186.88
Co 228.615	52.6754	ppb	0.0565	0.1	718.597
Cr 267.716	104.383	ppb	0.3881	0.4	5535.49
Cu 324.754	105.075	ppb	0.7418	0.7	5224.10
Fe 271.441	6293.76	ppb	17.6155	0.3	11859.0
K 766.491	6688.32	ppb	24.5794	0.4	258136
Mg 279.078	7036.83	ppb	21.3669	0.3	16424.0
Mn 257.610	657.112	ppb	1.5073	0.2	175829
Mo 202.032	99.2420	ppb	0.1048	0.1	827.606
Na 330.237	9261.67	ppb	138.328	1.5	570.059
Ni 231.604	103.242	ppb	0.4964	0.5	314.678
Pb 220.353	51.3011	ppb	0.7525	1.5	138.342
Sb 206.834	47.5941	ppb	1.8639	3.9	62.6984
Se 196.026	96.7675	ppb	1.9249	2.0	65.5078
Sn 189.925	191.970	ppb	2.8941	1.5	182.337
Sr 216.596	130.727	ppb	0.7805	0.6	1700.19
Ti 334.941	103.430	ppb	0.7308	0.7	31779.3
Tl 190.794	38.4131	ppb	0.1988	0.5	25.5844
V 292.401	101.040	ppb	0.1661	0.2	2926.25
Zn 206.200	106.446	ppb	0.5930	0.6	173.001

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mb 680-275621/1-a (Samp) 5/8/2013, 12:47:32 AM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0245	0.1381	-0.2646u
Al 308.215	0.4530	-0.5159u	-0.2721u
As 188.980	8.1335	4.0544	-4.3994u
B 249.678	4.1894	4.2828	4.3470
Ba 389.178	-1.0273u	0.3043	-1.1053u
Be 313.042	-0.0047u	0.0014	-0.0101u
Ca 370.602	3.325	-0.4125u	2.819
Cd 226.502	-0.1225u	-0.1786u	0.0119
Co 228.615	0.2689	0.5579	0.3502
Cr 267.716	-0.2434u	-0.1952u	-0.1948u
Cu 324.754	-0.0469u	-0.6965u	-0.0901u
Fe 271.441	1.6785	-0.2383u	0.7672
K 766.491	-0.5329u	0.7123	-0.2396u
Mg 279.078	3.5320	1.3634	-1.0421u
Mn 257.610	-0.1107u	-0.1503u	-0.1447u
Mo 202.032	0.0637	-0.3380u	0.0279
Na 330.237	-51.2990u	24.9686	66.4483
Ni 231.604	0.0340	0.1255	-2.2773u
Pb 220.353	0.9663	0.2620	4.1434
Sb 206.834	2.6172	5.1169	3.6343
Se 196.026	-4.0911u	1.6290	-1.6380u
Sn 189.925	-2.2210u	2.0956	0.0632
Sr 216.596	-0.4719u	0.3394	-0.4419u
Ti 334.941	0.0258	-0.0034u	-0.0106u
Tl 190.794	0.4627	0.1346	-1.0106u
V 292.401	-0.3272u	-0.0613u	-0.0967u
Zn 206.200	2.2480	1.7379	-0.4294u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0340	ppb	0.2076	610.6	-23.7526
Al 308.215	-0.1117	ppb	0.5039	451.3	71.7687
As 188.980	2.5962	ppb	6.3925	246.2	-5.4835
B 249.678	4.2731	ppb	0.0793	1.9	204.908
Ba 389.178	-0.6094	ppb	0.7923	130.0	-8.6168
Be 313.042	-0.0045	ppb	0.0057	128.3	-385.451
Ca 370.602	1.911	ppb	2.028	106.1	13.77
Cd 226.502	-0.0964	ppb	0.0979	101.5	33.2763
Co 228.615	0.3923	ppb	0.1490	38.0	12.8131
Cr 267.716	-0.2111	ppb	0.0279	13.2	6.3279
Cu 324.754	-0.2778	ppb	0.3632	130.7	250.042
Fe 271.441	0.7358	ppb	0.9588	130.3	109.183
K 766.491	-0.0201	ppb	0.6510	3245.4	369.804
Mg 279.078	1.2844	ppb	2.2881	178.1	42.1607
Mn 257.610	-0.1352	ppb	0.0214	15.8	37.6940
Mo 202.032	-0.0821	ppb	0.2223	270.6	16.2079
Na 330.237	13.3727	ppb	59.7240	446.6	69.6823
Ni 231.604	-0.7059	ppb	1.3616	192.9	-8.0331
Pb 220.353	1.7905	ppb	2.0678	115.5	35.3640
Sb 206.834	3.7895	ppb	1.2571	33.2	8.3076
Se 196.026	-1.3667	ppb	2.8697	210.0	11.0066
Sn 189.925	-0.0208	ppb	2.1595	10405.2	-12.5051
Sr 216.596	-0.1915	ppb	0.4600	240.3	17.8539
Ti 334.941	0.0039	ppb	0.0193	494.4	-40.5315
Tl 190.794	-0.1377	ppb	0.7735	561.5	-15.8391
V 292.401	-0.1617	ppb	0.1444	89.3	-13.3192
Zn 206.200	1.1855	ppb	1.4216	119.8	1.0234



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ics 680-275621/2-a (Samp)      5/8/2013, 12:52:58 AM      Rack 2, Tube 36  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	49.6970	49.5187	49.5113
Al 308.215	4811.98	4814.18	4803.21
As 188.980	91.4842	102.998	106.198
B 249.678	193.730	195.095	195.757
Ba 389.178	102.010	102.266	102.375
Be 313.042	52.7561	52.3653	52.7143
Ca 370.602	4877	4841	4865
Cd 226.502	51.9341	51.4549	51.8842
Co 228.615	52.0929	51.6830	51.8736
Cr 267.716	104.052	103.323	103.793
Cu 324.754	104.000	102.193	101.359
Fe 271.441	4904.66	4866.37	4900.95
K 766.491	4912.00	4902.83	4930.05
Mg 279.078	4933.73	4892.32	4921.03
Mn 257.610	535.050	530.820	534.096
Mo 202.032	98.5512	97.0419	99.1668
Na 330.237	4554.32	4557.58	4480.68
Ni 231.604	102.316	101.923	100.260
Pb 220.353	51.4176	47.1490	50.7209
Sb 206.834	50.9576	46.0511	51.3921
Se 196.026	96.4703	102.521	96.2003
Sn 189.925	198.311	193.041	197.532
Sr 216.596	101.807	100.511	100.743
Ti 334.941	98.8233	98.3040	98.8032
Tl 190.794	38.3530	40.4993	40.8589
V 292.401	99.8745	99.0046	99.4001
Zn 206.200	108.189	107.819	105.925

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.5757	ppb	0.1052	0.2	3986.85
Al 308.215	4809.79	ppb	5.8029	0.1	22399.7
As 188.980	100.227	ppb	7.7387	7.7	41.2676
B 249.678	194.861	ppb	1.0341	0.5	2775.99
Ba 389.178	102.217	ppb	0.1871	0.2	2400.93
Be 313.042	52.6119	ppb	0.2146	0.4	99517.0
Ca 370.602	4861	ppb	18.60	0.4	15259
Cd 226.502	51.7577	ppb	0.2634	0.5	2201.33
Co 228.615	51.8832	ppb	0.2051	0.4	707.828
Cr 267.716	103.723	ppb	0.3691	0.4	5499.54
Cu 324.754	102.517	ppb	1.3498	1.3	5103.03
Fe 271.441	4890.66	ppb	21.1160	0.4	9241.33
K 766.491	4914.96	ppb	13.8508	0.3	189791
Mg 279.078	4915.70	ppb	21.2163	0.4	11483.4
Mn 257.610	533.322	ppb	2.2183	0.4	142711
Mo 202.032	98.2533	ppb	1.0933	1.1	819.605
Na 330.237	4530.86	ppb	43.4878	1.0	312.598
Ni 231.604	101.500	ppb	1.0914	1.1	309.239
Pb 220.353	49.7625	ppb	2.2900	4.6	135.107
Sb 206.834	49.4669	ppb	2.9662	6.0	64.9802
Se 196.026	98.3971	ppb	3.5737	3.6	66.3657
Sn 189.925	196.295	ppb	2.8448	1.4	186.721
Sr 216.596	101.020	ppb	0.6911	0.7	1316.81
Ti 334.941	98.6435	ppb	0.2942	0.3	30298.0
Tl 190.794	39.9037	ppb	1.3549	3.4	27.5202
V 292.401	99.4264	ppb	0.4356	0.4	2879.11
Zn 206.200	107.311	ppb	1.2143	1.1	174.255

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Cont Calib Verif (CCV) 5/8/2013, 12:58:24 AM Rack 2, Tube 37  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	496.065	498.012	494.955
Al 308.215	4874.04	4901.37	4952.48
As 188.980	504.900	508.826	498.861
B 249.678	501.161	504.227	514.716
Ba 389.178	5124.00	5151.84	5195.10
Be 313.042	515.792	519.576	524.033
Ca 370.602	5031	5055	5100
Cd 226.502	513.410	515.044	520.063
Co 228.615	522.710	524.971	527.844
Cr 267.716	5181.22	5197.39	5248.78
Cu 324.754	5203.27	5176.18	5180.48
Fe 271.441	4995.29	4992.36	5064.43
K 766.491	10091.0	10128.5	10261.5
Mg 279.078	4980.97	4997.95	5040.01
Mn 257.610	5282.77	5304.45	5344.43
Mo 202.032	498.214	499.821	503.390
Na 330.237	7352.13	7364.77	7022.42
Ni 231.604	2589.78	2597.50	2626.24
Pb 220.353	495.081	495.228	503.008
Sb 206.834	969.529	968.968	993.790
Se 196.026	4904.37	4923.33	4989.92
Sn 189.925	4992.76	5051.63	5073.10
Sr 216.596	2525.79	2534.10	2553.42
Ti 334.941	497.875	498.626	505.354
Tl 190.794	4993.22	5016.58	5054.49
V 292.401	4961.67	4976.57	5030.48
Zn 206.200	2612.26	2613.91	2641.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.344	ppb	1.5474	0.3	40057.5	99.26878
Al 308.215	4909.29	ppb	39.8148	0.8	22834.4	98.18590
As 188.980	504.196	ppb	5.0195	1.0	234.739	100.83917
B 249.678	506.701	ppb	7.1082	1.4	6993.30	20.26805Q
Ba 389.178	5156.98	ppb	35.8279	0.7	119855	103.13960
Be 313.042	519.801	ppb	4.1250	0.8	986483	103.96011
Ca 370.602	5062	ppb	35.02	0.7	16148	101.24543
Cd 226.502	516.172	ppb	3.4670	0.7	21456.3	103.23444
Co 228.615	525.175	ppb	2.5731	0.5	7115.88	105.03503
Cr 267.716	5209.13	ppb	35.2794	0.7	275178	104.18259
Cu 324.754	5186.64	ppb	14.5596	0.3	244942	103.73283
Fe 271.441	5017.36	ppb	40.7863	0.8	9607.76	100.34719
K 766.491	10160.3	ppb	89.6115	0.9	391946	101.60329
Mg 279.078	5006.31	ppb	30.3941	0.6	11610.0	100.12615
Mn 257.610	5310.55	ppb	31.2780	0.6	1419833	106.21101
Mo 202.032	500.475	ppb	2.6491	0.5	4097.31	100.09497
Na 330.237	7246.44	ppb	194.111	2.7	437.460	96.61919
Ni 231.604	2604.51	ppb	19.2137	0.7	8076.21	104.18029
Pb 220.353	497.772	ppb	4.5347	0.9	1066.77	99.55444
Sb 206.834	977.429	ppb	14.1716	1.4	1271.23	97.74290
Se 196.026	4939.21	ppb	44.9336	0.9	2745.15	98.78417
Sn 189.925	5039.16	ppb	41.5968	0.8	5101.29	100.78325
Sr 216.596	2537.77	ppb	14.1764	0.6	32589.4	101.51077
Ti 334.941	500.618	ppb	4.1181	0.8	153832	100.12364
Tl 190.794	5021.43	ppb	30.9252	0.6	5554.84	100.42857
V 292.401	4989.57	ppb	36.1987	0.7	145772	99.79141
Zn 206.200	2622.62	ppb	16.5426	0.6	4258.63	104.90490

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Cont Calib Blank (CCB) 5/8/2013, 1:03:50 AM Rack 2, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2062u	-0.4019u	-0.2707u
Al 308.215	0.3543	1.3528	1.4636
As 188.980	2.9807	5.8272	-3.4541u
B 249.678	9.7545	8.6659	6.7642
Ba 389.178	-0.6808u	-0.2556u	0.0032
Be 313.042	-0.0240u	-0.0121u	0.0073
Ca 370.602	1.223	-3.581u	-4.291u
Cd 226.502	0.0761	-0.0452u	-0.0035u
Co 228.615	0.5348	0.4153	-0.1901u
Cr 267.716	-0.0747u	-0.1437u	0.1848
Cu 324.754	0.9189	0.6453	-0.2401u
Fe 271.441	7.0370	2.4713	-1.5049u
K 766.491	-1.7214u	-1.6203u	-2.7830u
Mg 279.078	-2.6845u	0.7344	0.7939
Mn 257.610	-0.0554u	0.0314	-0.0431u
Mo 202.032	0.4421	0.1999	0.1350
Na 330.237	126.899	105.155	-42.0399u
Ni 231.604	-1.7459u	0.9588	0.5374
Pb 220.353	2.0551	0.8754	1.8780
Sb 206.834	7.0614	7.0470	8.5650
Se 196.026	-4.1955u	1.4579	-6.9795u
Sn 189.925	-0.7330u	0.3584	2.7484
Sr 216.596	-0.4351u	0.2338	-0.0692u
Ti 334.941	0.0055	0.0316	0.0129
Tl 190.794	1.6871	-2.3929u	1.9649
V 292.401	-0.2703u	0.0079	0.3932
Zn 206.200	0.9103	1.5973	2.0889

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2930	ppb	0.0997	34.0	-44.6912	-0.29295
Al 308.215	1.0569	ppb	0.6109	57.8	77.2165	1.05689
As 188.980	1.7846	ppb	4.7549	266.4	-5.8724	1.78460
B 249.678	8.3949	ppb	1.5134	18.0	260.652	8.39486
Ba 389.178	-0.3111	ppb	0.3454	111.0	-1.6856	-0.31109
Be 313.042	-0.0096	ppb	0.0158	164.6	-395.288	-0.00961
Ca 370.602	-2.217	ppb	3.000	135.3	0.3918	-2.21650
Cd 226.502	0.0091	ppb	0.0616	676.5	37.6572	0.00911
Co 228.615	0.2533	ppb	0.3887	153.4	10.9243	0.25334
Cr 267.716	-0.0112	ppb	0.1732	1547.7	16.8876	-0.01119
Cu 324.754	0.4414	ppb	0.6058	137.3	283.980	0.44135
Fe 271.441	2.6678	ppb	4.2743	160.2	112.765	2.66779
K 766.491	-2.0416	ppb	0.6441	31.5	291.896	-2.04155
Mg 279.078	-0.3854	ppb	1.9913	516.7	38.2665	-0.38541
Mn 257.610	-0.0224	ppb	0.0470	209.9	67.8551	-0.02238
Mo 202.032	0.2590	ppb	0.1618	62.5	18.9962	0.25900
Na 330.237	63.3382	ppb	91.9055	145.1	72.4022	63.33823
Ni 231.604	-0.0832	ppb	1.4553	1748.4	-6.1008	-0.08323
Pb 220.353	1.6028	ppb	0.6362	39.7	34.9735	1.60283
Sb 206.834	7.5578	ppb	0.8723	11.5	12.9570	7.55778
Se 196.026	-3.2390	ppb	4.2992	132.7	9.9710	-3.23903
Sn 189.925	0.7912	ppb	1.7806	225.0	-11.6810	0.79124
Sr 216.596	-0.0902	ppb	0.3349	371.4	19.1197	-0.09017
Ti 334.941	0.0167	ppb	0.0134	80.5	-36.6222	0.01666
Tl 190.794	0.4197	ppb	2.4397	581.3	-15.2204	0.41970
V 292.401	0.0436	ppb	0.3332	764.5	-7.3708	0.04359
Zn 206.200	1.5321	ppb	0.5920	38.6	15.5881	1.53214

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680-89995-a-1-a (Samp) 5/8/2013, 1:09:15 AM Rack 2, Tube 39

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1116u	-0.3346u	-0.0700u
Al 308.215	636.933	636.405	631.136
As 188.980	-1.5303u	1.1915	2.7239
B 249.678	118.227	118.076	117.587
Ba 389.178	64.8782	64.2730	62.5791
Be 313.042	0.0304	0.0400	0.0373
Ca 370.602	14715	14723	14548
Cd 226.502	0.0856	0.2010	0.1709
Co 228.615	1.1383	0.9173	1.0729
Cr 267.716	0.6118	0.9281	0.7936
Cu 324.754	22.6674	22.8272	21.9732
Fe 271.441	2429.40	2434.55	2410.69
K 766.491	9015.63	9032.46	8947.56
Mg 279.078	2856.68	2846.00	2814.29
Mn 257.610	540.815	539.133	534.077
Mo 202.032	0.2472	0.7234	0.7838
Na 330.237	36605.2	36725.4	36338.1
Ni 231.604	2.9853	0.8203	3.1647
Pb 220.353	2.5406	2.2508	6.0801
Sb 206.834	7.3614	2.5852	4.1915
Se 196.026	3.9298	-5.6289u	2.7743
Sn 189.925	1.1903	4.6945	3.3053
Sr 216.596	78.9993	78.3744	77.7907
Ti 334.941	2.9612	3.0140	2.8008
Tl 190.794	1.5834	2.7605	-1.2121u
V 292.401	1.0775	1.5288	1.2904
Zn 206.200	104.429	105.596	103.049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1721	ppb	0.1423	82.7	-36.1540
Al 308.215	634.825	ppb	3.2053	0.5	3018.03
As 188.980	0.7950	ppb	2.1546	271.0	-6.2692
B 249.678	117.963	ppb	0.3341	0.3	1739.30
Ba 389.178	63.9101	ppb	1.1918	1.9	1501.26
Be 313.042	0.0359	ppb	0.0049	13.8	-308.816
Ca 370.602	14662	ppb	98.77	0.7	46934
Cd 226.502	0.1525	ppb	0.0598	39.2	52.4084
Co 228.615	1.0429	ppb	0.1136	10.9	21.5760
Cr 267.716	0.7778	ppb	0.1587	20.4	62.4669
Cu 324.754	22.4893	ppb	0.4540	2.0	1324.90
Fe 271.441	2424.88	ppb	12.5547	0.5	4631.64
K 766.491	8998.55	ppb	44.9529	0.5	347172
Mg 279.078	2838.99	ppb	22.0466	0.8	6645.18
Mn 257.610	538.008	ppb	3.5067	0.7	143937
Mo 202.032	0.5848	ppb	0.2939	50.3	21.5206
Na 330.237	36556.2	ppb	198.206	0.5	2060.96
Ni 231.604	2.3234	ppb	1.3049	56.2	1.4267
Pb 220.353	3.6238	ppb	2.1321	58.8	39.3320
Sb 206.834	4.7127	ppb	2.4304	51.6	9.5154
Se 196.026	0.3584	ppb	5.2173	1455.7	12.1254
Sn 189.925	3.0634	ppb	1.7646	57.6	-9.3520
Sr 216.596	78.3881	ppb	0.6044	0.8	1031.71
Ti 334.941	2.9253	ppb	0.1110	3.8	868.495
Tl 190.794	1.0439	ppb	2.0405	195.5	-15.5396
V 292.401	1.2989	ppb	0.2258	17.4	29.0232
Zn 206.200	104.358	ppb	1.2751	1.2	169.493

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89995-a-1-aSD^5 (Samp) 5/8/2013, 1:14:41 AM Rack 2, Tube 40****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2637u	-0.0962u	0.2791
Al 308.215	119.020	118.566	118.256
As 188.980	1.9076	3.9161	4.4361
B 249.678	23.3745	22.0725	23.5265
Ba 389.178	11.7767	11.2738	11.5498
Be 313.042	0.0119	0.0022	-0.0119u
Ca 370.602	2777	2778	2804
Cd 226.502	0.0299	-0.2364u	-0.0141
Co 228.615	-0.4121u	0.2222	1.0077
Cr 267.716	-0.0692u	-0.2002u	-0.1661u
Cu 324.754	4.2604	3.7461	4.7639
Fe 271.441	462.601	455.976	468.762
K 766.491	1669.12	1664.83	1678.68
Mg 279.078	545.328	540.608	552.778
Mn 257.610	103.726	103.172	104.510
Mo 202.032	-0.1541u	-0.3875u	-0.0699u
Na 330.237	6758.16	6780.49	6849.64
Ni 231.604	-1.2399u	0.9618	0.2560
Pb 220.353	2.6232	1.6666	1.2010
Sb 206.834	8.9422	-1.0948u	3.0140
Se 196.026	-5.5672u	-2.2574u	5.6595
Sn 189.925	0.9685	1.9413	-0.9077u
Sr 216.596	14.8441	14.3759	15.3751
Ti 334.941	0.5134	0.5468	0.5902
Tl 190.794	-0.8545u	2.9729	-1.2173u
V 292.401	0.1351	0.2744	0.3489
Zn 206.200	20.5963	20.2612	20.1072

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0269	ppb	0.2780	1031.8	-23.4113
Al 308.215	118.614	ppb	0.3844	0.3	622.667
As 188.980	3.4199	ppb	1.3353	39.0	-5.0741
B 249.678	22.9912	ppb	0.7992	3.5	457.449
Ba 389.178	11.5335	ppb	0.2519	2.2	275.585
Be 313.042	0.0007	ppb	0.0120	1674.2	-375.592
Ca 370.602	2786	ppb	15.55	0.6	8926
Cd 226.502	-0.0735	ppb	0.1428	194.2	35.9057
Co 228.615	0.2726	ppb	0.7112	260.9	11.1937
Cr 267.716	-0.1452	ppb	0.0680	46.8	10.5553
Cu 324.754	4.2568	ppb	0.5089	12.0	464.115
Fe 271.441	462.446	ppb	6.3943	1.4	970.505
K 766.491	1670.88	ppb	7.0906	0.4	64765.5
Mg 279.078	546.238	ppb	6.1355	1.1	1310.20
Mn 257.610	103.803	ppb	0.6723	0.6	27830.5
Mo 202.032	-0.2038	ppb	0.1645	80.7	15.1862
Na 330.237	6796.10	ppb	47.6909	0.7	439.280
Ni 231.604	-0.0074	ppb	1.1242	15231.5	-5.8542
Pb 220.353	1.8303	ppb	0.7251	39.6	35.4771
Sb 206.834	3.6205	ppb	5.0459	139.4	8.1132
Se 196.026	-0.7217	ppb	5.7687	799.3	11.3951
Sn 189.925	0.6674	ppb	1.4482	217.0	-11.8024
Sr 216.596	14.8650	ppb	0.4999	3.4	212.116
Ti 334.941	0.5502	ppb	0.0385	7.0	129.521
Tl 190.794	0.3004	ppb	2.3216	772.9	-15.5478
V 292.401	0.2528	ppb	0.1085	42.9	-1.2190
Zn 206.200	20.3216	ppb	0.2501	1.2	32.2721

680-89995-a-1-aPDS (Samp) 5/8/2013, 1:20:06 AM Rack 2, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	51.0579	52.0934	51.6294
Al 308.215	2662.91	2684.20	2674.73
As 188.980	2270.78	2269.36	2246.12
B 249.678	1164.24	1175.78	1175.13
Ba 389.178	2262.64	2278.59	2268.26
Be 313.042	55.2687	55.6386	55.4820
Ca 370.602	20008	20168	20106
Cd 226.502	55.0241	55.2709	54.8673
Co 228.615	556.271	556.197	554.612
Cr 267.716	220.852	221.759	221.053
Cu 324.754	296.031	298.048	297.607
Fe 271.441	3441.04	3463.23	3435.45
K 766.491	14899.5	14924.4	14899.8
Mg 279.078	8178.64	8218.92	8186.50
Mn 257.610	1109.46	1114.58	1109.87
Mo 202.032	544.437	549.144	547.874
Na 330.237	42298.1	42536.3	42320.5
Ni 231.604	546.791	547.159	552.293
Pb 220.353	525.594	528.171	525.624
Sb 206.834	516.147	518.401	523.550
Se 196.026	2104.44	2125.60	2113.12
Sn 189.925	1086.98	1091.23	1078.98
Sr 216.596	624.150	626.323	623.019
Ti 334.941	1062.84	1068.53	1064.88
Tl 190.794	2161.43	2185.68	2168.32
V 292.401	527.358	529.532	527.577
Zn 206.200	652.754	656.753	654.031

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.5936	ppb	0.5187	1.0	4130.15
Al 308.215	2673.95	ppb	10.6654	0.4	12531.4
As 188.980	2262.09	ppb	13.8478	0.6	1077.11
B 249.678	1171.72	ppb	6.4815	0.6	15989.7
Ba 389.178	2269.83	ppb	8.0894	0.4	52772.3
Be 313.042	55.4631	ppb	0.1857	0.3	104843
Ca 370.602	20094	ppb	80.74	0.4	64518
Cd 226.502	55.0541	ppb	0.2034	0.4	2332.60
Co 228.615	555.693	ppb	0.9373	0.2	7527.99
Cr 267.716	221.221	ppb	0.4763	0.2	11707.4
Cu 324.754	297.229	ppb	1.0601	0.4	14297.1
Fe 271.441	3446.57	ppb	14.6923	0.4	6636.63
K 766.491	14907.9	ppb	14.2644	0.1	574916
Mg 279.078	8194.69	ppb	21.3563	0.3	19114.1
Mn 257.610	1111.30	ppb	2.8431	0.3	297252
Mo 202.032	547.151	ppb	2.4350	0.4	4488.48
Na 330.237	42384.9	ppb	131.526	0.3	2365.40
Ni 231.604	548.748	ppb	3.0758	0.6	1697.04
Pb 220.353	526.463	ppb	1.4790	0.3	1124.76
Sb 206.834	519.366	ppb	3.7947	0.7	639.075
Se 196.026	2114.39	ppb	10.6378	0.5	1181.56
Sn 189.925	1085.73	ppb	6.2178	0.6	1089.35
Sr 216.596	624.497	ppb	1.6793	0.3	8021.93
Ti 334.941	1065.41	ppb	2.8805	0.3	327417
Tl 190.794	2171.81	ppb	12.4957	0.6	2394.59
V 292.401	528.155	ppb	1.1973	0.2	15356.4
Zn 206.200	654.512	ppb	2.0426	0.3	1065.81

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**680-89995-a-1-b ms (Samp)      5/8/2013, 1:25:32 AM      Rack 2, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.5172	50.3923	49.9998
Al 308.215	5650.70	5528.62	5523.84
As 188.980	115.342	111.328	112.166
B 249.678	340.283	333.761	330.708
Ba 389.178	172.114	168.427	167.824
Be 313.042	54.4294	53.2511	53.0916
Ca 370.602	20479	20052	19980
Cd 226.502	53.2619	51.6294	51.7993
Co 228.615	54.1480	53.5494	52.9534
Cr 267.716	107.887	105.227	104.533
Cu 324.754	130.827	128.406	127.140
Fe 271.441	7556.82	7353.73	7335.42
K 766.491	15013.0	14620.3	14592.6
Mg 279.078	8014.90	7855.03	7828.66
Mn 257.610	1118.65	1090.35	1088.10
Mo 202.032	101.716	100.747	100.055
Na 330.237	43880.4	42800.3	42843.1
Ni 231.604	113.661	110.842	109.815
Pb 220.353	53.7511	53.7503	50.2124
Sb 206.834	54.9261	50.9470	53.4356
Se 196.026	105.875	102.874	95.1359
Sn 189.925	206.369	201.306	198.569
Sr 216.596	187.352	181.965	181.524
Ti 334.941	104.605	101.786	101.288
Tl 190.794	40.3699	39.6708	39.3341
V 292.401	104.101	101.242	101.216
Zn 206.200	216.347	214.839	211.728

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6364	ppb	0.7876	1.6	4071.35
Al 308.215	5567.72	ppb	71.9006	1.3	25916.8
As 188.980	112.945	ppb	2.1174	1.9	47.4416
B 249.678	334.917	ppb	4.8910	1.5	4666.84
Ba 389.178	169.455	ppb	2.3225	1.4	3974.54
Be 313.042	53.5907	ppb	0.7307	1.4	101375
Ca 370.602	20170	ppb	270.0	1.3	64258
Cd 226.502	52.2302	ppb	0.8975	1.7	2230.11
Co 228.615	53.5503	ppb	0.5973	1.1	730.286
Cr 267.716	105.883	ppb	1.7702	1.7	5617.73
Cu 324.754	128.791	ppb	1.8738	1.5	6343.40
Fe 271.441	7415.32	ppb	122.881	1.7	13951.5
K 766.491	14741.9	ppb	235.118	1.6	568520
Mg 279.078	7899.53	ppb	100.776	1.3	18426.5
Mn 257.610	1099.03	ppb	17.0256	1.5	293982
Mo 202.032	100.839	ppb	0.8347	0.8	840.598
Na 330.237	43174.6	ppb	611.635	1.4	2418.38
Ni 231.604	111.439	ppb	1.9914	1.8	340.143
Pb 220.353	52.5713	ppb	2.0428	3.9	141.109
Sb 206.834	53.1029	ppb	2.0103	3.8	69.5336
Se 196.026	101.295	ppb	5.5409	5.5	68.1414
Sn 189.925	202.081	ppb	3.9572	2.0	192.618
Sr 216.596	183.614	ppb	3.2447	1.8	2382.23
Ti 334.941	102.560	ppb	1.7889	1.7	31513.4
Tl 190.794	39.7916	ppb	0.5284	1.3	26.3323
V 292.401	102.186	ppb	1.6581	1.6	2959.07
Zn 206.200	214.304	ppb	2.3551	1.1	248.962

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**680-89995-a-1-c msd (Samp) 5/8/2013, 1:30:57 AM Rack 2, Tube 43****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.9607	49.0737	49.8025
Al 308.215	5450.39	5442.95	5466.33
As 188.980	105.905	98.5941	107.917
B 249.678	322.199	319.211	321.169
Ba 389.178	166.739	165.610	165.410
Be 313.042	52.8328	52.4458	52.7327
Ca 370.602	19706	19590	19713
Cd 226.502	51.9639	51.4545	51.2056
Co 228.615	53.2568	52.5513	52.1398
Cr 267.716	104.413	103.304	103.627
Cu 324.754	125.162	124.216	124.541
Fe 271.441	7290.25	7235.87	7262.48
K 766.491	14479.2	14309.7	14435.4
Mg 279.078	7762.95	7705.43	7727.54
Mn 257.610	1079.12	1071.53	1074.61
Mo 202.032	98.8420	98.8612	99.5797
Na 330.237	42449.1	42127.1	42266.7
Ni 231.604	104.114	102.388	104.631
Pb 220.353	55.3858	52.9132	54.5316
Sb 206.834	51.4138	50.5613	55.7766
Se 196.026	95.1163	90.5764	92.9903
Sn 189.925	196.277	198.107	191.492
Sr 216.596	180.213	178.858	180.060
Ti 334.941	100.586	100.024	100.226
Tl 190.794	36.9124	40.9497	39.6706
V 292.401	100.878	99.5805	100.780
Zn 206.200	208.270	206.422	210.394

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.6123	ppb	0.4731	1.0	3988.56
Al 308.215	5453.23	ppb	11.9464	0.2	25385.3
As 188.980	104.139	ppb	4.9060	4.7	43.2206
B 249.678	320.859	ppb	1.5178	0.5	4476.91
Ba 389.178	165.920	ppb	0.7161	0.4	3891.75
Be 313.042	52.6705	ppb	0.2009	0.4	99628.2
Ca 370.602	19670	ppb	69.01	0.4	62661
Cd 226.502	51.5413	ppb	0.3866	0.8	2201.00
Co 228.615	52.6493	ppb	0.5649	1.1	718.119
Cr 267.716	103.781	ppb	0.5705	0.5	5506.57
Cu 324.754	124.640	ppb	0.4808	0.4	6147.47
Fe 271.441	7262.87	ppb	27.1930	0.4	13666.9
K 766.491	14408.1	ppb	87.9531	0.6	555653
Mg 279.078	7731.97	ppb	29.0194	0.4	18036.4
Mn 257.610	1075.09	ppb	3.8173	0.4	287578
Mo 202.032	99.0943	ppb	0.4205	0.4	826.344
Na 330.237	42281.0	ppb	161.467	0.4	2369.77
Ni 231.604	103.711	ppb	1.1748	1.1	316.158
Pb 220.353	54.2769	ppb	1.2558	2.3	144.651
Sb 206.834	52.5839	ppb	2.7977	5.3	68.8850
Se 196.026	92.8943	ppb	2.2715	2.4	63.4874
Sn 189.925	195.292	ppb	3.4161	1.7	185.728
Sr 216.596	179.710	ppb	0.7422	0.4	2332.12
Ti 334.941	100.279	ppb	0.2850	0.3	30811.6
Tl 190.794	39.1776	ppb	2.0633	5.3	25.6972
V 292.401	100.413	ppb	0.7225	0.7	2907.62
Zn 206.200	208.362	ppb	1.9875	1.0	339.264



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**680-89995-a-2-a (Samp)**      **5/8/2013, 1:36:23 AM**      **Rack 2, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1813u	-0.2128u	-0.1717u
Al 308.215	1764.21	1779.63	1777.02
As 188.980	-6.0299u	3.7669	6.9290
B 249.678	150.650	151.419	150.504
Ba 389.178	126.531	126.378	126.771
Be 313.042	0.0618	0.0465	0.0475
Ca 370.602	43224	43414	43438
Cd 226.502	0.1529	0.3228	0.2186
Co 228.615	0.7863	0.8852	0.7544
Cr 267.716	2.9298	2.6248	2.6462
Cu 324.754	2.8000	2.7643	2.5956
Fe 271.441	537.242	540.473	544.081
K 766.491	91249.7x	91074.2x	91554.5x
Mg 279.078	7137.81	7162.83	7173.57
Mn 257.610	1992.52	1998.16	1997.88
Mo 202.032	3.1550	4.0923	2.9463
Na 330.237	731886x	741592x	734478x
Ni 231.604	3.2152	4.4640	3.4506
Pb 220.353	0.7654	4.0705	1.6928
Sb 206.834	3.7425	3.8397	2.7734
Se 196.026	5.4381	11.4297	10.7943
Sn 189.925	-2.2083u	0.7571	-2.4423u
Sr 216.596	214.743	216.346	216.417
Ti 334.941	60.1899	60.0515	57.9654
Tl 190.794	2.3044u	-2.8092u	5.0022
V 292.401	5.2165	5.0138	5.4776
Zn 206.200	49.0135	50.5579	51.2330

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1886b	ppb	0.0215	11.4	-37.1420
Al 308.215	1773.62b	ppb	8.2536	0.5	8302.46
As 188.980	1.5553b	ppb	6.7566	434.4	-5.7019
B 249.678	150.858b	ppb	0.4919	0.3	2186.92
Ba 389.178	126.560b	ppb	0.1983	0.2	2965.50
Be 313.042	0.0519b	ppb	0.0085	16.4	-355.161
Ca 370.602	43359b	ppb	117.1	0.3	139341
Cd 226.502	0.2314b	ppb	0.0857	37.0	44.4001
Co 228.615	0.8087b	ppb	0.0682	8.4	20.1582
Cr 267.716	2.7336b	ppb	0.1703	6.2	186.032
Cu 324.754	2.7200b	ppb	0.1092	4.0	391.681
Fe 271.441	540.599b	ppb	3.4211	0.6	1116.46
K 766.491	91292.8xb	ppb	243.077	0.3	3518762
Mg 279.078	7158.07b	ppb	18.3451	0.3	16682.7
Mn 257.610	1996.18b	ppb	3.1768	0.2	533788
Mo 202.032	3.3979b	ppb	0.6104	18.0	44.6153
Na 330.237	735985xb	ppb	5025.67	0.7	40208.1
Ni 231.604	3.7099b	ppb	0.6635	17.9	5.6835
Pb 220.353	2.1762b	ppb	1.7048	78.3	36.6989
Sb 206.834	3.4519b	ppb	0.5896	17.1	7.8819
Se 196.026	9.2207b	ppb	3.2912	35.7	17.4179
Sn 189.925	-1.2978b	ppb	1.7834	137.4	-13.4595
Sr 216.596	215.835b	ppb	0.9464	0.4	2801.71
Ti 334.941	59.4023b	ppb	1.2463	2.1	18186.2
Tl 190.794	1.4991b	ppb	3.9674	264.6	-17.2992
V 292.401	5.2360b	ppb	0.2325	4.4	138.699
Zn 206.200	50.2681b	ppb	1.1378	2.3	81.0917

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-3-a (Samp) 5/8/2013, 1:41:48 AM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2974u	-0.2452u	-0.0692u
Al 308.215	332.214	337.247	333.469
As 188.980	-3.3061u	-4.8894u	-2.6462u
B 249.678	152.111	151.498	150.940
Ba 389.178	47.9640	47.8532	47.9500
Be 313.042	0.0063u	0.0129	0.0146
Ca 370.602	40664	40687	40779
Cd 226.502	5.0333	4.6462	5.0008
Co 228.615	0.6642	-0.1191u	0.2827u
Cr 267.716	14.6054	14.6217	15.1077
Cu 324.754	10.8585	10.4935	10.9946
Fe 271.441	1211.28	1216.77	1213.51
K 766.491	30053.0	30165.3	30069.9
Mg 279.078	2325.62	2331.30	2332.13
Mn 257.610	119.917	120.809	120.081
Mo 202.032	142.953	143.232	144.665
Na 330.237	41201.2	41403.3	41438.6
Ni 231.604	3.5152	2.7738	3.3788
Pb 220.353	0.4235	2.8473	3.3524
Sb 206.834	-1.7658u	3.0082	2.7071
Se 196.026	3.9192	0.3417	-3.2192u
Sn 189.925	1.7020	1.4325	1.5886
Sr 216.596	226.237	228.510	227.393
Ti 334.941	2.2258	2.3682	2.2605
Tl 190.794	5.2372	0.1578u	-3.7227u
V 292.401	0.8350u	1.1303	1.2928
Zn 206.200	60.9286	61.7044	62.4251

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2039	ppb	0.1196	58.6	-48.1168
Al 308.215	334.310	ppb	2.6193	0.8	1639.14
As 188.980	-3.6139	ppb	1.1528	31.9	-8.2298
B 249.678	151.517	ppb	0.5857	0.4	2194.78
Ba 389.178	47.9224	ppb	0.0603	0.1	1127.52
Be 313.042	0.0112	ppb	0.0044	38.8	-370.494
Ca 370.602	40710	ppb	61.05	0.1	130713
Cd 226.502	4.8934	ppb	0.2147	4.4	244.441
Co 228.615	0.2759	ppb	0.3917	142.0	5.6177
Cr 267.716	14.7783	ppb	0.2855	1.9	799.843
Cu 324.754	10.7822	ppb	0.2591	2.4	775.992
Fe 271.441	1213.85	ppb	2.7602	0.2	2372.45
K 766.491	30096.1	ppb	60.5265	0.2	1160262
Mg 279.078	2329.68	ppb	3.5386	0.2	5465.67
Mn 257.610	120.269	ppb	0.4748	0.4	32252.1
Mo 202.032	143.616	ppb	0.9187	0.6	1190.86
Na 330.237	41347.7	ppb	128.112	0.3	2323.08
Ni 231.604	3.2226	ppb	0.3946	12.2	4.1872
Pb 220.353	2.2078	ppb	1.5657	70.9	36.0274
Sb 206.834	1.3165	ppb	2.6736	203.1	3.0182
Se 196.026	0.3472	ppb	3.5692	1027.9	11.9958
Sn 189.925	1.5744	ppb	0.1353	8.6	-10.8474
Sr 216.596	227.380	ppb	1.1369	0.5	2944.17
Ti 334.941	2.2848	ppb	0.0742	3.2	668.601
Tl 190.794	0.5574	ppb	4.4933	806.1	-15.4027
V 292.401	1.0860	ppb	0.2321	21.4	-8.5408
Zn 206.200	61.6861	ppb	0.7484	1.2	99.7448

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-4-a (Samp) 5/8/2013, 1:47:14 AM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4853	0.0395	-0.2364u
Al 308.215	710.995	708.255	708.881
As 188.980	7.3921	3.0506	1.6526
B 249.678	103.035	104.724	104.418
Ba 389.178	59.0115	60.0610	58.5294
Be 313.042	0.0280	0.0351	0.0333
Ca 370.602	12384	12427	12399
Cd 226.502	0.0495	-0.0971	0.1194
Co 228.615	1.4306	1.5462	1.2694
Cr 267.716	1.8056	1.7099	1.7719
Cu 324.754	16.9405	17.1878	17.6006
Fe 271.441	2618.80	2629.99	2621.19
K 766.491	5114.94	5137.23	5096.90
Mg 279.078	2179.15	2196.57	2180.33
Mn 257.610	904.488	909.514	906.121
Mo 202.032	1.1225	0.6699	0.1408
Na 330.237	19702.5	19959.3	19695.4
Ni 231.604	2.7348	1.6342	2.5949
Pb 220.353	4.9387	4.0968	2.0779
Sb 206.834	-0.1880u	0.8511	-1.5109u
Se 196.026	-4.0651u	-4.0966u	-1.9487u
Sn 189.925	3.1549	-0.6321u	0.8348
Sr 216.596	64.1738	64.9026	64.4756
Ti 334.941	8.3302	8.3352	8.2934
Tl 190.794	3.9044	0.9535u	3.3794
V 292.401	2.1373	2.4617	2.2043
Zn 206.200	67.8391	68.8709	68.6549

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0961	ppb	0.3641	378.8	-11.9496
Al 308.215	709.377	ppb	1.4361	0.2	3363.96
As 188.980	4.0318	ppb	2.9929	74.2	-4.7347
B 249.678	104.059	ppb	0.9001	0.9	1550.97
Ba 389.178	59.2006	ppb	0.7831	1.3	1390.42
Be 313.042	0.0321	ppb	0.0037	11.4	-314.722
Ca 370.602	12403	ppb	21.97	0.2	39671
Cd 226.502	0.0239	ppb	0.1105	461.6	47.9218
Co 228.615	1.4154	ppb	0.1390	9.8	26.7641
Cr 267.716	1.7625	ppb	0.0485	2.8	115.964
Cu 324.754	17.2430	ppb	0.3335	1.9	1077.42
Fe 271.441	2623.33	ppb	5.8941	0.2	5001.92
K 766.491	5116.36	ppb	20.2022	0.4	197553
Mg 279.078	2185.35	ppb	9.7356	0.4	5115.59
Mn 257.610	906.708	ppb	2.5638	0.3	242497
Mo 202.032	0.6444	ppb	0.4914	76.3	21.9944
Na 330.237	19785.7	ppb	150.357	0.8	1146.48
Ni 231.604	2.3213	ppb	0.5992	25.8	1.4251
Pb 220.353	3.7045	ppb	1.4702	39.7	39.5969
Sb 206.834	-0.2826	ppb	1.1838	419.0	3.3648
Se 196.026	-3.3701	ppb	1.2311	36.5	10.1663
Sn 189.925	1.1192	ppb	1.9094	170.6	-11.3333
Sr 216.596	64.5173	ppb	0.3662	0.6	853.146
Ti 334.941	8.3196	ppb	0.0228	0.3	2524.49
Tl 190.794	2.7458	ppb	1.5742	57.3	-14.2603
V 292.401	2.2678	ppb	0.1713	7.6	57.5516
Zn 206.200	68.4550	ppb	0.5442	0.8	110.980

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-5-a (Samp) 5/8/2013, 1:52:40 AM Rack 2, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2523u	-0.3744u	-0.5152u
Al 308.215	1766.90	1765.25	1763.20
As 188.980	2.7451	1.5177	2.6037
B 249.678	162.297	161.226	163.048
Ba 389.178	128.223	127.713	127.850
Be 313.042	0.0360	0.0355	0.0270u
Ca 370.602	43817	43803	43710
Cd 226.502	0.2981	0.1269	0.1789
Co 228.615	0.5541	0.6431	0.4964
Cr 267.716	2.2122	2.1394	1.9678
Cu 324.754	3.1810	3.1574	3.7269
Fe 271.441	464.790	471.890	467.622
K 766.491	83262.7x	83273.3x	82452.8x
Mg 279.078	6983.74	6978.03	6970.01
Mn 257.610	1699.38	1700.93	1699.02
Mo 202.032	4.2119	4.5610	4.4613
Na 330.237	582624x	585808x	582471x
Ni 231.604	4.0486	2.9115	2.9938
Pb 220.353	3.9483	5.5454	5.4648
Sb 206.834	2.8522	5.5553	-0.4166u
Se 196.026	14.2199	8.8323	8.7380
Sn 189.925	1.1081	1.9192	0.3375
Sr 216.596	222.564	220.839	220.118
Ti 334.941	17.1607	17.1778	17.0632
Tl 190.794	-0.4813u	-2.8708u	3.0257
V 292.401	5.4930	5.3999	5.3878
Zn 206.200	52.5240	53.6312	51.8839

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3806b	ppb	0.1315	34.6	-54.4309
Al 308.215	1765.12b	ppb	1.8574	0.1	8263.10
As 188.980	2.2888b	ppb	0.6715	29.3	-5.3462
B 249.678	162.190b	ppb	0.9158	0.6	2340.27
Ba 389.178	127.928b	ppb	0.2637	0.2	2996.74
Be 313.042	0.0328b	ppb	0.0051	15.5	-373.083
Ca 370.602	43777b	ppb	58.12	0.1	140675
Cd 226.502	0.2013b	ppb	0.0878	43.6	43.8316
Co 228.615	0.5645b	ppb	0.0739	13.1	15.5377
Cr 267.716	2.1065b	ppb	0.1255	6.0	148.400
Cu 324.754	3.3551b	ppb	0.3222	9.6	421.646
Fe 271.441	468.101b	ppb	3.5742	0.8	981.159
K 766.491	82996.3xb	ppb	470.697	0.6	3199017
Mg 279.078	6977.26b	ppb	6.9021	0.1	16266.6
Mn 257.610	1699.78b	ppb	1.0107	0.1	454548
Mo 202.032	4.4114b	ppb	0.1798	4.1	52.9044
Na 330.237	583635xb	ppb	1884.22	0.3	31899.3
Ni 231.604	3.3180b	ppb	0.6341	19.1	4.4655
Pb 220.353	4.9862b	ppb	0.8998	18.0	42.4882
Sb 206.834	2.6636b	ppb	2.9904	112.3	6.8851
Se 196.026	10.5968b	ppb	3.1381	29.6	18.0965
Sn 189.925	1.1216b	ppb	0.7909	70.5	-11.0700
Sr 216.596	221.174b	ppb	1.2572	0.6	2870.38
Ti 334.941	17.1339b	ppb	0.0618	0.4	5208.54
Tl 190.794	-0.1088b	ppb	2.9658	2725.6	-18.5989
V 292.401	5.4269b	ppb	0.0576	1.1	144.744
Zn 206.200	52.6797b	ppb	0.8840	1.7	85.0175

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-6-a (Samp) 5/8/2013, 1:58:18 AM Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4310u	-0.3665u	-0.3460u
Al 308.215	555.587	551.828	551.239
As 188.980	-0.8868u	-6.4707u	-0.2649
B 249.678	152.927	153.740	154.717
Ba 389.178	57.4696	57.6055	57.1198
Be 313.042	0.0197	0.0250	0.0172
Ca 370.602	47962	47801	47928
Cd 226.502	8.6608	8.5154	8.7227
Co 228.615	0.5058	0.1539u	0.3392u
Cr 267.716	26.1106	26.1510	26.1999
Cu 324.754	8.7307	8.7495	8.7488
Fe 271.441	1837.37	1821.47	1825.36
K 766.491	34253.8	33953.0	33948.7
Mg 279.078	2321.06	2313.54	2314.11
Mn 257.610	123.577	123.606	123.625
Mo 202.032	147.300	147.187	148.338
Na 330.237	42372.9	42235.4	42178.4
Ni 231.604	2.6438	3.3341	3.3356
Pb 220.353	3.0968	1.3298	3.1763
Sb 206.834	2.8563	3.4750	5.0088
Se 196.026	-0.1859u	2.6849	-0.4740u
Sn 189.925	1.0762	0.0947	0.4414
Sr 216.596	285.168	285.930	285.074
Ti 334.941	2.8640	3.2437	2.9890
Tl 190.794	-4.1406u	-1.3602u	-4.5339u
V 292.401	2.0251	2.0671	1.9916
Zn 206.200	97.4907	96.5086	95.5265

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3812	ppb	0.0444	11.6	-65.2947
Al 308.215	552.885	ppb	2.3591	0.4	2653.74
As 188.980	-2.5408	ppb	3.4176	134.5	-7.6736
B 249.678	153.794	ppb	0.8963	0.6	2224.77
Ba 389.178	57.3983	ppb	0.2506	0.4	1348.53
Be 313.042	0.0206	ppb	0.0040	19.2	-351.018
Ca 370.602	47897	ppb	84.80	0.2	153755
Cd 226.502	8.6330	ppb	0.1064	1.2	401.747
Co 228.615	0.3329	ppb	0.1760	52.9	6.2891
Cr 267.716	26.1539	ppb	0.0447	0.2	1400.95
Cu 324.754	8.7430	ppb	0.0107	0.1	680.039
Fe 271.441	1828.07	ppb	8.2904	0.5	3518.33
K 766.491	34051.8	ppb	174.911	0.5	1312715
Mg 279.078	2316.23	ppb	4.1865	0.2	5434.33
Mn 257.610	123.602	ppb	0.0238	0.0	33145.2
Mo 202.032	147.608	ppb	0.6346	0.4	1223.46
Na 330.237	42262.3	ppb	100.015	0.2	2372.45
Ni 231.604	3.1045	ppb	0.3989	12.9	3.8358
Pb 220.353	2.5343	ppb	1.0439	41.2	36.7055
Sb 206.834	3.7800	ppb	1.1082	29.3	6.1526
Se 196.026	0.6750	ppb	1.7466	258.8	12.1820
Sn 189.925	0.5374	ppb	0.4977	92.6	-11.8956
Sr 216.596	285.390	ppb	0.4692	0.2	3691.39
Ti 334.941	3.0322	ppb	0.1935	6.4	898.244
Tl 190.794	-3.3449	ppb	1.7300	51.7	-19.7779
V 292.401	2.0279	ppb	0.0378	1.9	17.5514
Zn 206.200	96.5086	ppb	0.9821	1.0	156.548

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV)                      5/8/2013, 2:03:56 AM                      Rack 2, Tube 49  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	493.257	488.498	492.115
Al 308.215	4842.74	4812.36	4858.36
As 188.980	506.601	500.616	493.005
B 249.678	504.104	502.233	505.541
Ba 389.178	5111.03	5095.99	5109.20
Be 313.042	516.198	513.351	512.419
Ca 370.602	5012	4994	5006
Cd 226.502	509.946	508.392	511.325
Co 228.615	520.216	519.398	520.921
Cr 267.716	5151.45	5137.77	5153.63
Cu 324.754	5102.67	5142.59	5052.98
Fe 271.441	4949.12	4925.35	4961.49
K 766.491	10094.0	10063.0	10096.0
Mg 279.078	4948.86	4946.89	4969.51
Mn 257.610	5254.58	5235.82	5271.06
Mo 202.032	493.744	489.902	495.702
Na 330.237	6945.75	6837.29	7205.04
Ni 231.604	2570.49	2565.25	2578.25
Pb 220.353	489.451	490.728	491.577
Sb 206.834	968.746	966.816	965.108
Se 196.026	4842.01	4862.46	4874.43
Sn 189.925	4968.99	4976.76	5000.99
Sr 216.596	2509.10	2500.62	2511.45
Ti 334.941	496.210	494.199	494.724
Tl 190.794	4954.85	4956.10	4961.78
V 292.401	4939.81	4925.38	4934.78
Zn 206.200	2584.57	2592.01	2602.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.290	ppb	2.4846	0.5	39649.8	98.25797
Al 308.215	4837.82	ppb	23.3910	0.5	22502.8	96.75639
As 188.980	500.074	ppb	6.8139	1.4	232.766	100.01479
B 249.678	503.959	ppb	1.6585	0.3	6956.31	20.15837Q
Ba 389.178	5105.41	ppb	8.2061	0.2	118656	102.10813
Be 313.042	513.990	ppb	1.9689	0.4	975451	102.79791
Ca 370.602	5004	ppb	9.017	0.2	15963	100.07993
Cd 226.502	509.888	ppb	1.4674	0.3	21195.5	101.97755
Co 228.615	520.178	ppb	0.7624	0.1	7048.26	104.03564
Cr 267.716	5147.62	ppb	8.5982	0.2	271928	102.95233
Cu 324.754	5099.41	ppb	44.8961	0.9	240827	101.98827
Fe 271.441	4945.32	ppb	18.3649	0.4	9471.94	98.90643
K 766.491	10084.4	ppb	18.4795	0.2	389018	100.84354
Mg 279.078	4955.09	ppb	12.5270	0.3	11491.6	99.10172
Mn 257.610	5253.82	ppb	17.6303	0.3	1404666	105.07642
Mo 202.032	493.116	ppb	2.9506	0.6	4037.28	98.62318
Na 330.237	6996.02	ppb	188.958	2.7	424.103	93.28033
Ni 231.604	2571.33	ppb	6.5407	0.3	7973.26	102.85314
Pb 220.353	490.585	ppb	1.0706	0.2	1051.82	98.11710
Sb 206.834	966.890	ppb	1.8200	0.2	1257.53	96.68901
Se 196.026	4859.63	ppb	16.3907	0.3	2701.12	97.19269
Sn 189.925	4982.24	ppb	16.6890	0.3	5043.53	99.64488
Sr 216.596	2507.06	ppb	5.6948	0.2	32195.2	100.28234
Ti 334.941	495.044	ppb	1.0432	0.2	152119	99.00880
Tl 190.794	4957.58	ppb	3.6923	0.1	5484.00	99.15150
V 292.401	4933.32	ppb	7.3276	0.1	144129	98.66647
Zn 206.200	2593.04	ppb	9.0329	0.3	4210.60	103.72176

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/8/2013, 2:09:23 AM Rack 2, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1166u	-0.4646u	-0.3451u
Al 308.215	0.5657	0.7937	-1.9958u
As 188.980	4.8462	1.7858	-1.8531u
B 249.678	9.6466	8.4867	7.5347
Ba 389.178	-0.6824u	-0.7204u	-0.2548u
Be 313.042	-0.0016u	0.0078	0.0001
Ca 370.602	-0.4759u	-3.151u	2.164
Cd 226.502	-0.0471u	-0.0154u	-0.1333u
Co 228.615	-0.1107u	-0.1622u	-0.2728u
Cr 267.716	-0.2711u	-0.0867u	-0.2849u
Cu 324.754	-0.6393u	0.2684	-1.0362u
Fe 271.441	-4.1675u	-0.7468u	-5.3393u
K 766.491	-1.4429u	-1.6645u	-1.6454u
Mg 279.078	2.0726	-2.6646u	-2.7615u
Mn 257.610	-0.1731u	-0.1686u	-0.1565u
Mo 202.032	0.2401	0.1422	0.0633
Na 330.237	-46.3305u	-100.340u	-79.2454u
Ni 231.604	0.5207	1.2642	0.3658
Pb 220.353	0.0640	1.4400	0.2322
Sb 206.834	-0.9971u	-0.1055u	7.5837
Se 196.026	-8.2807u	-2.0299u	3.1225
Sn 189.925	2.1021	-1.0058u	1.1111
Sr 216.596	-0.3024u	0.4821	-0.1190u
Ti 334.941	0.0198	0.0325	0.0199
Tl 190.794	0.2134	0.5346	0.8968
V 292.401	-0.0658u	-0.1168u	0.4703
Zn 206.200	0.2119	-0.2667u	0.5441

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3087	ppb	0.1768	57.3	-45.9804	-0.30873
Al 308.215	-0.2121	ppb	1.5489	730.2	71.3394	-0.21214
As 188.980	1.5929	ppb	3.3538	210.5	-5.9642	1.59295
B 249.678	8.5560	ppb	1.0577	12.4	262.838	8.55597
Ba 389.178	-0.5525	ppb	0.2585	46.8	-7.3043	-0.55252
Be 313.042	0.0021	ppb	0.0050	234.7	-373.016	0.00212
Ca 370.602	-0.4875	ppb	2.658	545.1	6.382	-0.48753
Cd 226.502	-0.0653	ppb	0.0610	93.5	34.5538	-0.06528
Co 228.615	-0.1819	ppb	0.0829	45.6	5.0375	-0.18189
Cr 267.716	-0.2142	ppb	0.1107	51.7	6.1574	-0.21423
Cu 324.754	-0.4690	ppb	0.6687	142.6	241.029	-0.46901
Fe 271.441	-3.4179	ppb	2.3862	69.8	101.337	-3.41788
K 766.491	-1.5842	ppb	0.1228	7.8	309.521	-1.58423
Mg 279.078	-1.1178	ppb	2.7634	247.2	36.5631	-1.11782
Mn 257.610	-0.1661	ppb	0.0086	5.2	29.4208	-0.16606
Mo 202.032	0.1485	ppb	0.0885	59.6	18.0933	0.14853
Na 330.237	-75.3051	ppb	27.2194	36.1	64.8544	-75.30514
Ni 231.604	0.7169	ppb	0.4803	67.0	-3.6181	0.71690
Pb 220.353	0.5787	ppb	0.7506	129.7	32.8440	0.57874
Sb 206.834	2.1604	ppb	4.7179	218.4	6.2902	2.16036
Se 196.026	-2.3960	ppb	5.7104	238.3	10.4372	-2.39604
Sn 189.925	0.7358	ppb	1.5876	215.8	-11.7374	0.73580
Sr 216.596	0.0203	ppb	0.4104	2026.1	20.5356	0.02025
Ti 334.941	0.0241	ppb	0.0073	30.4	-34.3332	0.02409
Tl 190.794	0.5483	ppb	0.3419	62.4	-15.0774	0.54829
V 292.401	0.0959	ppb	0.3252	339.2	-5.8477	0.09589
Zn 206.200	0.1631	ppb	0.4976	3049.8	0.6438	0.16311

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-7-a (Samp) 5/8/2013, 2:14:48 AM Rack 2, Tube 51

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1412u	-0.2258u	-0.0101u
Al 308.215	314.630	314.822	314.441
As 188.980	-0.7952u	-3.6287u	-2.8716u
B 249.678	54.1054	54.6882	54.5916
Ba 389.178	40.4710	41.1583	41.6741
Be 313.042	0.0250	0.0216	0.0266
Ca 370.602	9858	9816	9824
Cd 226.502	-0.0046	-0.0203	-0.1160
Co 228.615	0.7718	0.9303	0.6775
Cr 267.716	0.1296	0.3027	0.1855
Cu 324.754	11.0236	10.2850	10.5245
Fe 271.441	1638.30	1620.56	1638.12
K 766.491	4314.82	4323.07	4302.09
Mg 279.078	1929.79	1925.32	1923.53
Mn 257.610	238.444	238.166	238.261
Mo 202.032	0.1304	0.7904	0.7222
Na 330.237	15650.8	15760.7	15811.9
Ni 231.604	1.0661	2.3114	1.5617
Pb 220.353	4.2859	1.5534	0.4955
Sb 206.834	2.9605	-1.0613u	-0.3044u
Se 196.026	-0.9165u	-0.0980	5.3410
Sn 189.925	-3.4953u	-2.0939u	-0.1354u
Sr 216.596	52.9491	53.9809	53.9732
Ti 334.941	4.6100	4.5342	4.4200
Tl 190.794	0.1294u	0.3192u	-1.9303u
V 292.401	1.1668	1.3519	1.2097
Zn 206.200	31.1255	29.2688	29.6434

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1257	ppb	0.1087	86.5	-32.6411
Al 308.215	314.631	ppb	0.1903	0.1	1532.27
As 188.980	-2.4318	ppb	1.4671	60.3	-7.8409
B 249.678	54.4617	ppb	0.3123	0.6	881.517
Ba 389.178	41.1011	ppb	0.6035	1.5	967.815
Be 313.042	0.0244	ppb	0.0025	10.4	-329.547
Ca 370.602	9833	ppb	22.59	0.2	31474
Cd 226.502	-0.0470	ppb	0.0603	128.4	41.3072
Co 228.615	0.7932	ppb	0.1278	16.1	18.2848
Cr 267.716	0.2059	ppb	0.0883	42.9	30.2187
Cu 324.754	10.6110	ppb	0.3768	3.6	764.247
Fe 271.441	1632.33	ppb	10.1928	0.6	3153.05
K 766.491	4313.33	ppb	10.5740	0.2	166605
Mg 279.078	1926.21	ppb	3.2264	0.2	4523.53
Mn 257.610	238.290	ppb	0.1411	0.1	63800.5
Mo 202.032	0.5477	ppb	0.3630	66.3	21.2618
Na 330.237	15741.1	ppb	82.3312	0.5	926.595
Ni 231.604	1.6464	ppb	0.6270	38.1	-0.6938
Pb 220.353	2.1116	ppb	1.9559	92.6	36.0988
Sb 206.834	0.5316	ppb	2.1372	402.0	4.3255
Se 196.026	1.4422	ppb	3.4012	235.8	12.6368
Sn 189.925	-1.9082	ppb	1.6877	88.4	-14.4086
Sr 216.596	53.6344	ppb	0.5935	1.1	712.272
Ti 334.941	4.5214	ppb	0.0956	2.1	1356.16
Tl 190.794	-0.4939	ppb	1.2476	252.6	-16.7147
V 292.401	1.2428	ppb	0.0969	7.8	27.6444
Zn 206.200	30.0125	ppb	0.9818	3.3	48.2012



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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3747u	-0.1530u	-0.3392u
Al 308.215	1373.40	1369.58	1370.82
As 188.980	-1.1654u	1.4095	-4.5319u
B 249.678	109.741	110.420	111.056
Ba 389.178	118.756	117.461	118.442
Be 313.042	0.0424	0.0359	0.0481
Ca 370.602	38339	38200	38255
Cd 226.502	0.1017	0.0081u	0.0859
Co 228.615	0.7330	0.2112	1.2159
Cr 267.716	2.4644	2.1355	1.6815
Cu 324.754	1.1772	1.4180	1.3099
Fe 271.441	650.384	638.853	640.907
K 766.491	66971.0x	67236.9x	66940.6x
Mg 279.078	6263.51	6257.34	6261.01
Mn 257.610	1699.11	1698.42	1701.78
Mo 202.032	1.4158	1.8612	1.4551
Na 330.237	529282x	533437x	531526x
Ni 231.604	2.8310	4.0867	3.1808
Pb 220.353	2.8439	5.2632	3.3698
Sb 206.834	1.4150	3.0525	4.8972
Se 196.026	-0.5473	-2.4494u	4.4734
Sn 189.925	-0.1054	0.2507	0.2452
Sr 216.596	171.156	169.866	171.414
Ti 334.941	9.6522	9.7352	9.8190
Tl 190.794	3.6053	1.6316u	0.3724u
V 292.401	4.1653	3.5954	4.0154
Zn 206.200	56.5976	55.2339	56.4834

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2889b	ppb	0.1191	41.2	-44.4931
Al 308.215	1371.27b	ppb	1.9491	0.1	6435.31
As 188.980	-1.4293b	ppb	2.9795	208.5	-7.1662
B 249.678	110.406b	ppb	0.6575	0.6	1639.62
Ba 389.178	118.219b	ppb	0.6754	0.6	2769.48
Be 313.042	0.0421b	ppb	0.0061	14.4	-350.037
Ca 370.602	38265b	ppb	69.78	0.2	122948
Cd 226.502	0.0652b	ppb	0.0501	76.8	39.1472
Co 228.615	0.7200b	ppb	0.5025	69.8	17.4999
Cr 267.716	2.0938b	ppb	0.3931	18.8	146.749
Cu 324.754	1.3017b	ppb	0.1206	9.3	324.759
Fe 271.441	643.381b	ppb	6.1510	1.0	1308.16
K 766.491	67049.5xb	ppb	163.020	0.2	2584434
Mg 279.078	6260.62b	ppb	3.1048	0.0	14596.9
Mn 257.610	1699.77b	ppb	1.7720	0.1	454539
Mo 202.032	1.5773b	ppb	0.2466	15.6	29.7296
Na 330.237	531415xb	ppb	2079.66	0.4	29051.2
Ni 231.604	3.3661b	ppb	0.6480	19.3	4.6191
Pb 220.353	3.8256b	ppb	1.2725	33.3	40.0755
Sb 206.834	3.1216b	ppb	1.7421	55.8	7.4998
Se 196.026	0.4922b	ppb	3.5766	726.6	12.5089
Sn 189.925	0.1302b	ppb	0.2040	156.7	-12.1017
Sr 216.596	170.812b	ppb	0.8297	0.5	2222.16
Ti 334.941	9.7354b	ppb	0.0834	0.9	2935.71
Tl 190.794	1.8698b	ppb	1.6295	87.2	-16.4110
V 292.401	3.9254b	ppb	0.2955	7.5	101.617
Zn 206.200	56.1050b	ppb	0.7565	1.3	90.6213

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2522u	0.0443u	-0.5090u
Al 308.215	612.778	613.838	609.129
As 188.980	0.3055	0.7382	-1.8989u
B 249.678	109.172	110.547	109.932
Ba 389.178	50.7321	52.6680	50.6610
Be 313.042	0.0389	0.0364	0.0413
Ca 370.602	26733	26762	26646
Cd 226.502	7.4487	7.3238	7.2189
Co 228.615	0.5181	0.7301	0.5336
Cr 267.716	14.7088	14.7813	14.8803
Cu 324.754	9.3882	9.0826	8.2821
Fe 271.441	1564.17	1570.27	1562.39
K 766.491	19802.8	19809.8	19736.8
Mg 279.078	2145.15	2143.67	2139.44
Mn 257.610	118.352	119.440	119.038
Mo 202.032	76.8512	76.0343	75.8306
Na 330.237	30634.9	30549.2	30522.9
Ni 231.604	3.5159	3.3172	3.0460
Pb 220.353	4.6579	3.2114	2.4393
Sb 206.834	-0.8369u	1.0978	2.6959
Se 196.026	-3.9490u	3.4762	-8.6025u
Sn 189.925	-0.0916u	0.8179	0.7995
Sr 216.596	157.077	156.508	157.252
Ti 334.941	2.5057	2.4379	2.4804
Tl 190.794	-3.3721u	-2.1608u	-2.0382u
V 292.401	2.0550	1.9926	1.7952
Zn 206.200	97.6673	99.7198	100.431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2390	ppb	0.2769	115.9	-47.4514
Al 308.215	611.915	ppb	2.4701	0.4	2919.91
As 188.980	-0.2851	ppb	1.4142	496.1	-6.7165
B 249.678	109.884	ppb	0.6889	0.6	1631.21
Ba 389.178	51.3537	ppb	1.1388	2.2	1206.89
Be 313.042	0.0389	ppb	0.0025	6.3	-310.564
Ca 370.602	26714	ppb	60.16	0.2	85715
Cd 226.502	7.3305	ppb	0.1151	1.6	346.834
Co 228.615	0.5939	ppb	0.1182	19.9	12.5908
Cr 267.716	14.7901	ppb	0.0861	0.6	800.305
Cu 324.754	8.9176	ppb	0.5712	6.4	686.323
Fe 271.441	1565.61	ppb	4.1348	0.3	3028.67
K 766.491	19783.2	ppb	40.2920	0.2	762807
Mg 279.078	2142.75	ppb	2.9610	0.1	5030.10
Mn 257.610	118.943	ppb	0.5502	0.5	31896.8
Mo 202.032	76.2387	ppb	0.5401	0.7	640.033
Na 330.237	30569.0	ppb	58.5433	0.2	1734.79
Ni 231.604	3.2930	ppb	0.2359	7.2	4.4145
Pb 220.353	3.4362	ppb	1.1263	32.8	38.7013
Sb 206.834	0.9856	ppb	1.7690	179.5	3.7727
Se 196.026	-3.0251	ppb	6.0921	201.4	10.1325
Sn 189.925	0.5086	ppb	0.5199	102.2	-11.9409
Sr 216.596	156.945	ppb	0.3891	0.2	2039.71
Ti 334.941	2.4747	ppb	0.0343	1.4	726.983
Tl 190.794	-2.5237	ppb	0.7373	29.2	-18.8080
V 292.401	1.9476	ppb	0.1356	7.0	31.1489
Zn 206.200	99.2728	ppb	1.4352	1.4	161.061

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680-89995-a-10-a (Samp) 5/8/2013, 2:31:17 AM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0926u	0.1109	-0.2993u
Al 308.215	315.785	315.783	310.856
As 188.980	1.0954	3.1352	-2.1460u
B 249.678	70.6317	68.9715	70.3730
Ba 389.178	47.3958	46.8730	46.7983
Be 313.042	0.0173	0.0239	0.0166
Ca 370.602	9746	9713	9704
Cd 226.502	0.0590	0.1368	-0.0190
Co 228.615	0.7674	0.8034	0.6952
Cr 267.716	0.3620	0.1212	0.2268
Cu 324.754	11.5336	11.4973	11.9945
Fe 271.441	2061.34	2048.29	2045.65
K 766.491	4759.77	4738.67	4768.99
Mg 279.078	2107.67	2090.86	2099.92
Mn 257.610	328.204	327.335	327.138
Mo 202.032	0.1864	-0.4380u	0.4908
Na 330.237	18259.5	18190.1	18378.1
Ni 231.604	1.3824	1.0106	1.4177
Pb 220.353	1.4886	2.0378	3.4118
Sb 206.834	2.4951	-1.1072u	1.3147
Se 196.026	3.4810	3.5774	-4.2567u
Sn 189.925	3.2980	-3.2751u	3.0806
Sr 216.596	56.1748	56.9973	56.1142
Ti 334.941	4.3550	4.3766	4.3398
Tl 190.794	1.2704	1.4489	-1.9990u
V 292.401	0.7856	0.9682	0.8007
Zn 206.200	36.5066	36.2970	35.7620

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0937	ppb	0.2051	218.9	-29.7575
Al 308.215	314.141	ppb	2.8451	0.9	1529.95
As 188.980	0.6949	ppb	2.6633	383.3	-6.3468
B 249.678	69.9921	ppb	0.8933	1.3	1091.00
Ba 389.178	47.0224	ppb	0.3255	0.7	1106.43
Be 313.042	0.0193	ppb	0.0040	21.0	-339.582
Ca 370.602	9721	ppb	22.20	0.2	31082
Cd 226.502	0.0589	ppb	0.0779	132.2	47.2467
Co 228.615	0.7554	ppb	0.0551	7.3	17.7678
Cr 267.716	0.2367	ppb	0.1207	51.0	32.4277
Cu 324.754	11.6751	ppb	0.2772	2.4	814.563
Fe 271.441	2051.76	ppb	8.4022	0.4	3935.51
K 766.491	4755.81	ppb	15.5396	0.3	183658
Mg 279.078	2099.49	ppb	8.4136	0.4	4925.78
Mn 257.610	327.559	ppb	0.5673	0.2	87668.0
Mo 202.032	0.0797	ppb	0.4735	593.8	17.4137
Na 330.237	18275.9	ppb	95.0728	0.5	1064.64
Ni 231.604	1.2702	ppb	0.2256	17.8	-1.8507
Pb 220.353	2.3127	ppb	0.9906	42.8	36.5420
Sb 206.834	0.9009	ppb	1.8365	203.9	4.8023
Se 196.026	0.9339	ppb	4.4955	481.4	12.3831
Sn 189.925	1.0345	ppb	3.7338	360.9	-11.4213
Sr 216.596	56.4287	ppb	0.4933	0.9	748.487
Ti 334.941	4.3571	ppb	0.0185	0.4	1306.37
Tl 190.794	0.2401	ppb	1.9412	808.4	-16.0687
V 292.401	0.8515	ppb	0.1014	11.9	16.2501
Zn 206.200	36.1885	ppb	0.3840	1.1	58.3169

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1126u	-0.3004u	0.2719
Al 308.215	425.900	428.808	424.835
As 188.980	3.9027	-2.5686u	3.1353
B 249.678	101.712	101.448	102.195
Ba 389.178	43.8348	44.3988	44.2578
Be 313.042	0.0136	0.0220	0.0252
Ca 370.602	28838	28861	28779
Cd 226.502	6.6294	6.4368	6.2250
Co 228.615	0.6339	0.9269	0.5361
Cr 267.716	13.2676	13.4276	13.4019
Cu 324.754	11.3532	10.6906	11.6185
Fe 271.441	1237.62	1241.52	1243.00
K 766.491	22681.6	22755.3	22882.3
Mg 279.078	2161.64	2169.22	2169.72
Mn 257.610	109.290	109.465	109.312
Mo 202.032	103.639	103.592	103.122
Na 330.237	33683.0	34148.6	34023.7
Ni 231.604	2.4717	2.7069	2.2879
Pb 220.353	2.4164	2.3040	1.6142
Sb 206.834	-0.7320u	3.2976	2.1823
Se 196.026	3.7537	4.9967	0.2549
Sn 189.925	-1.1723u	0.7291	1.0800
Sr 216.596	175.812	174.300	175.292
Ti 334.941	3.6155	3.4574	3.5949
Tl 190.794	-3.7295u	0.6128	2.5292
V 292.401	1.5736	1.5583	1.6429
Zn 206.200	70.0731	68.9141	67.3933

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0470	ppb	0.2918	620.5	-32.8677
Al 308.215	426.514	ppb	2.0568	0.5	2062.53
As 188.980	1.4898	ppb	3.5356	237.3	-5.8551
B 249.678	101.785	ppb	0.3793	0.4	1522.12
Ba 389.178	44.1638	ppb	0.2935	0.7	1039.59
Be 313.042	0.0203	ppb	0.0060	29.4	-349.862
Ca 370.602	28826	ppb	42.61	0.1	92528
Cd 226.502	6.4304	ppb	0.2023	3.1	308.298
Co 228.615	0.6990	ppb	0.2033	29.1	12.9917
Cr 267.716	13.3657	ppb	0.0859	0.6	725.009
Cu 324.754	11.2208	ppb	0.4779	4.3	795.605
Fe 271.441	1240.71	ppb	2.7796	0.2	2422.59
K 766.491	22773.0	ppb	101.531	0.4	878036
Mg 279.078	2166.86	ppb	4.5249	0.2	5086.44
Mn 257.610	109.356	ppb	0.0952	0.1	29332.9
Mo 202.032	103.451	ppb	0.2859	0.3	862.513
Na 330.237	33951.7	ppb	240.998	0.7	1919.64
Ni 231.604	2.4888	ppb	0.2100	8.4	1.9109
Pb 220.353	2.1115	ppb	0.4344	20.6	35.8944
Sb 206.834	1.5826	ppb	2.0806	131.5	4.0284
Se 196.026	3.0018	ppb	2.4587	81.9	13.4612
Sn 189.925	0.2123	ppb	1.2118	570.9	-12.2391
Sr 216.596	175.135	ppb	0.7682	0.4	2272.56
Ti 334.941	3.5559	ppb	0.0860	2.4	1059.06
Tl 190.794	-0.1958	ppb	3.2068	1637.6	-16.2021
V 292.401	1.5916	ppb	0.0451	2.8	15.1400
Zn 206.200	68.7935	ppb	1.3440	2.0	511.339

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2430u	-0.3078u	-0.1453u
Al 308.215	1565.63	1557.49	1560.13
As 188.980	-1.1657u	7.5657	3.6066
B 249.678	101.791	100.845	102.131
Ba 389.178	124.863	124.219	124.270
Be 313.042	0.0332	0.0403	0.0381
Ca 370.602	39200	39090	39083
Cd 226.502	0.2027	0.3271	0.1640
Co 228.615	0.7451	0.9241	0.5326
Cr 267.716	2.9616	3.0244	3.0840
Cu 324.754	1.3420	1.2602	1.6077
Fe 271.441	786.272	784.650	782.389
K 766.491	71112.4x	71606.6x	71393.7x
Mg 279.078	6489.68	6471.75	6463.80
Mn 257.610	1883.84	1882.17	1885.55
Mo 202.032	1.8514	1.5233	1.7174
Na 330.237	601081x	598047x	596974x
Ni 231.604	4.4435	3.4956	3.7377
Pb 220.353	4.2449	2.9443	2.9794
Sb 206.834	1.0850	3.6853	1.0279
Se 196.026	-0.1736	7.5434	9.4266
Sn 189.925	0.5618	-0.8388u	2.0947
Sr 216.596	170.162	169.714	168.993
Ti 334.941	11.1087	11.0321	11.0656
Tl 190.794	-0.3874u	3.1148	2.5751u
V 292.401	4.0233	4.4409	4.3680
Zn 206.200	51.2572	52.8133	53.0459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2320b	ppb	0.0818	35.3	-38.9059
Al 308.215	1561.08b	ppb	4.1539	0.3	7316.08
As 188.980	3.3355b	ppb	4.3720	131.1	-4.8788
B 249.678	101.589b	ppb	0.6667	0.7	1520.20
Ba 389.178	124.451b	ppb	0.3580	0.3	2915.02
Be 313.042	0.0372b	ppb	0.0036	9.7	-367.245
Ca 370.602	39124b	ppb	65.96	0.2	125705
Cd 226.502	0.2313b	ppb	0.0852	36.8	46.1397
Co 228.615	0.7339b	ppb	0.1960	26.7	17.7305
Cr 267.716	3.0233b	ppb	0.0612	2.0	198.085
Cu 324.754	1.4033b	ppb	0.1817	12.9	329.585
Fe 271.441	784.437b	ppb	1.9503	0.2	1571.31
K 766.491	71370.9xb	ppb	247.900	0.3	2750980
Mg 279.078	6475.08b	ppb	13.2597	0.2	15093.3
Mn 257.610	1883.85b	ppb	1.6932	0.1	503753
Mo 202.032	1.6973b	ppb	0.1650	9.7	30.7016
Na 330.237	598701xb	ppb	2130.10	0.4	32720.9
Ni 231.604	3.8923b	ppb	0.4925	12.7	6.2552
Pb 220.353	3.3896b	ppb	0.7410	21.9	39.2220
Sb 206.834	1.9327b	ppb	1.5180	78.5	6.0483
Se 196.026	5.5988b	ppb	5.0870	90.9	15.3851
Sn 189.925	0.6059b	ppb	1.4672	242.1	-11.5892
Sr 216.596	169.623b	ppb	0.5897	0.3	2207.04
Ti 334.941	11.0688b	ppb	0.0384	0.3	3340.82
Tl 190.794	1.7675b	ppb	1.8856	106.7	-16.8321
V 292.401	4.2774b	ppb	0.2231	5.2	111.329
Zn 206.200	52.3721b	ppb	0.9726	1.9	84.5484

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-13-a (Samp) 5/8/2013, 2:47:35 AM Rack 2, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1503	-0.1176u	0.1656
Al 308.215	401.564	404.000	403.641
As 188.980	-7.5373u	0.3590	4.7179
B 249.678	98.6346	99.8077	99.3719
Ba 389.178	51.5175	51.6727	52.4948
Be 313.042	0.0176	0.0247	0.0231
Ca 370.602	11449	11481	11539
Cd 226.502	-0.0280	-0.0285	0.0064
Co 228.615	0.5650	1.2997	0.4184
Cr 267.716	0.4793	0.5095	0.3843
Cu 324.754	16.5031	16.1830	17.0384
Fe 271.441	1973.17	1975.98	1986.35
K 766.491	6440.40	6433.58	6439.59
Mg 279.078	2407.15	2414.52	2428.32
Mn 257.610	482.128	482.757	485.237
Mo 202.032	0.9445	0.1587	0.6710
Na 330.237	25294.5	25492.8	25396.1
Ni 231.604	0.9493	0.9025	2.3398
Pb 220.353	3.3151	1.8785	2.2071
Sb 206.834	0.4807	0.5754	-0.1200u
Se 196.026	-1.5914u	-0.4025u	0.5543
Sn 189.925	-0.1183u	2.4305	1.3446
Sr 216.596	64.8609	64.5035	65.4766
Ti 334.941	5.1353	5.1721	5.2930
Tl 190.794	-0.4177u	5.5017	-1.1030u
V 292.401	1.0193	1.0355	0.9964
Zn 206.200	52.0266	51.7748	51.9264

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0661	ppb	0.1593	241.0	-16.4887
Al 308.215	403.068	ppb	1.3150	0.3	1942.64
As 188.980	-0.8201	ppb	6.2121	757.4	-7.0605
B 249.678	99.2714	ppb	0.5929	0.6	1487.09
Ba 389.178	51.8950	ppb	0.5252	1.0	1220.38
Be 313.042	0.0218	ppb	0.0037	17.2	-335.238
Ca 370.602	11490	ppb	45.65	0.4	36777
Cd 226.502	-0.0167	ppb	0.0200	119.6	43.8065
Co 228.615	0.7610	ppb	0.4722	62.1	17.8539
Cr 267.716	0.4577	ppb	0.0653	14.3	44.9688
Cu 324.754	16.5748	ppb	0.4322	2.6	1045.73
Fe 271.441	1978.50	ppb	6.9415	0.4	3798.84
K 766.491	6437.86	ppb	3.7253	0.1	248483
Mg 279.078	2416.66	ppb	10.7487	0.4	5662.05
Mn 257.610	483.374	ppb	1.6435	0.3	129326
Mo 202.032	0.5914	ppb	0.3989	67.4	21.6002
Na 330.237	25394.5	ppb	99.1543	0.4	1452.77
Ni 231.604	1.3972	ppb	0.8167	58.5	-1.4585
Pb 220.353	2.4669	ppb	0.7527	30.5	36.9052
Sb 206.834	0.3120	ppb	0.3771	120.9	4.0667
Se 196.026	-0.4799	ppb	1.0749	224.0	11.6437
Sn 189.925	1.2190	ppb	1.2790	104.9	-11.2301
Sr 216.596	64.9470	ppb	0.4922	0.8	858.198
Ti 334.941	5.2001	ppb	0.0825	1.6	1566.39
Tl 190.794	1.3270	ppb	3.6316	273.7	-15.1114
V 292.401	1.0171	ppb	0.0197	1.9	20.9272
Zn 206.200	51.9093	ppb	0.1268	0.2	83.9373

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-14-a (Samp) 5/8/2013, 2:53:01 AM Rack 2, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1862u	-0.1601u	-0.5116u
Al 308.215	1546.33	1548.87	1544.81
As 188.980	7.3052	-8.2334u	-5.9129u
B 249.678	96.6718	95.2705	96.1506
Ba 389.178	141.480	142.222	141.227
Be 313.042	0.0384	0.0324u	0.0310u
Ca 370.602	36954	36952	36885
Cd 226.502	0.2447	0.2123	0.2206
Co 228.615	0.8823	0.6097	0.7376
Cr 267.716	2.3301	2.1807	2.4038
Cu 324.754	1.5688	1.3522	1.7999
Fe 271.441	767.473	756.732	762.432
K 766.491	71025.8x	70616.3x	70619.0x
Mg 279.078	6307.00	6308.58	6298.31
Mn 257.610	1917.46	1917.85	1915.03
Mo 202.032	1.4479	1.6185	1.3298
Na 330.237	599331x	600231x	601670x
Ni 231.604	3.5260	4.9629	4.0422
Pb 220.353	2.4823	3.2542	5.0678
Sb 206.834	6.5950	3.2164	5.8683
Se 196.026	12.0920	1.2538	-7.2116u
Sn 189.925	0.4179	1.3613	-2.1187u
Sr 216.596	163.787	162.924	161.399
Ti 334.941	8.4392	8.4346	8.3634
Tl 190.794	-3.4752u	1.9036u	0.2090u
V 292.401	5.0253	4.8097	4.8152
Zn 206.200	49.0315	51.1057	49.1754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2860b	ppb	0.1958	68.5	-42.7470
Al 308.215	1546.67b	ppb	2.0498	0.1	7249.17
As 188.980	-2.2804b	ppb	8.3821	367.6	-7.5840
B 249.678	96.0310b	ppb	0.7083	0.7	1445.06
Ba 389.178	141.643b	ppb	0.5169	0.4	3313.97
Be 313.042	0.0339b	ppb	0.0039	11.6	-374.403
Ca 370.602	36930b	ppb	39.16	0.1	118658
Cd 226.502	0.2259b	ppb	0.0169	7.5	45.8163
Co 228.615	0.7432b	ppb	0.1364	18.3	17.7800
Cr 267.716	2.3049b	ppb	0.1137	4.9	160.302
Cu 324.754	1.5737b	ppb	0.2239	14.2	337.608
Fe 271.441	762.212b	ppb	5.3740	0.7	1529.85
K 766.491	70753.7xb	ppb	235.639	0.3	2727193
Mg 279.078	6304.63b	ppb	5.5320	0.1	14695.6
Mn 257.610	1916.78b	ppb	1.5240	0.1	512554
Mo 202.032	1.4654b	ppb	0.1451	9.9	28.8059
Na 330.237	600411xb	ppb	1179.58	0.2	32814.3
Ni 231.604	4.1771b	ppb	0.7279	17.4	7.1383
Pb 220.353	3.6014b	ppb	1.3273	36.9	39.6732
Sb 206.834	5.2266b	ppb	1.7784	34.0	10.1080
Se 196.026	2.0447b	ppb	9.6761	473.2	13.4283
Sn 189.925	-0.1131b	ppb	1.7998	1590.8	-12.3194
Sr 216.596	162.703b	ppb	1.2096	0.7	2117.76
Ti 334.941	8.4124b	ppb	0.0425	0.5	2523.46
Tl 190.794	-0.4542b	ppb	2.7501	605.5	-19.3514
V 292.401	4.8834b	ppb	0.1229	2.5	129.110
Zn 206.200	49.7709b	ppb	1.1582	2.3	80.3072

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89995-a-15-a (Samp) 5/8/2013, 2:58:27 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0966u	0.0561u	0.0327u
Al 308.215	305.492	302.617	303.084
As 188.980	-1.5215u	4.0775	4.3852
B 249.678	94.8411	95.6282	95.7197
Ba 389.178	44.3932	44.7643	44.3721
Be 313.042	0.0257	0.0278	0.0299
Ca 370.602	34885	34822	34749
Cd 226.502	4.4322	4.3802	4.1252
Co 228.615	0.5164	0.5227	0.8178
Cr 267.716	12.4968	12.8409	12.5549
Cu 324.754	11.1612	10.7286	10.5034
Fe 271.441	1463.96	1456.95	1467.27
K 766.491	28698.4	28597.1	28668.5
Mg 279.078	2185.11	2193.14	2177.42
Mn 257.610	113.039	113.234	112.964
Mo 202.032	144.780	143.123	143.152
Na 330.237	33507.9	33529.0	33597.7
Ni 231.604	2.2390	2.0380	1.4726
Pb 220.353	1.0920	3.6757	4.7261
Sb 206.834	3.5410	3.8187	2.7386
Se 196.026	0.0125	5.4706	0.1724
Sn 189.925	0.5258	1.6061	1.9985
Sr 216.596	233.249	230.601	232.334
Ti 334.941	1.8657	1.8840	1.8786
Tl 190.794	-0.6280u	0.7114	-3.3483u
V 292.401	0.9966u	0.9911u	0.6007u
Zn 206.200	65.6524	64.4368	64.0359

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0026	ppb	0.0822	3165.8	-32.0732
Al 308.215	303.731	ppb	1.5429	0.5	1497.17
As 188.980	2.3137	ppb	3.3250	143.7	-5.4311
B 249.678	95.3963	ppb	0.4830	0.5	1435.43
Ba 389.178	44.5099	ppb	0.2206	0.5	1048.19
Be 313.042	0.0278	ppb	0.0021	7.6	-340.034
Ca 370.602	34819	ppb	68.10	0.2	111764
Cd 226.502	4.3126	ppb	0.1643	3.8	221.323
Co 228.615	0.6189	ppb	0.1722	27.8	10.2528
Cr 267.716	12.6308	ppb	0.1842	1.5	686.282
Cu 324.754	10.7977	ppb	0.3343	3.1	776.776
Fe 271.441	1462.72	ppb	5.2699	0.4	2836.78
K 766.491	28654.7	ppb	52.0542	0.2	1104711
Mg 279.078	2185.23	ppb	7.8630	0.4	5129.25
Mn 257.610	113.079	ppb	0.1394	0.1	30329.3
Mo 202.032	143.685	ppb	0.9483	0.7	1191.41
Na 330.237	33544.8	ppb	46.9610	0.1	1897.40
Ni 231.604	1.9165	ppb	0.3974	20.7	0.1405
Pb 220.353	3.1646	ppb	1.8702	59.1	38.0157
Sb 206.834	3.3661	ppb	0.5609	16.7	5.5429
Se 196.026	1.8852	ppb	3.1061	164.8	12.8461
Sn 189.925	1.3768	ppb	0.7627	55.4	-11.0544
Sr 216.596	232.062	ppb	1.3448	0.6	3003.86
Ti 334.941	1.8761	ppb	0.0094	0.5	542.958
Tl 190.794	-1.0883	ppb	2.0686	190.1	-17.2323
V 292.401	0.8628	ppb	0.2270	26.3	-14.7176
Zn 206.200	64.7084	ppb	0.8418	1.3	104.707



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89942-a-1-a (Samp) 5/8/2013, 3:03:53 AM Rack 2, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3446	-0.1969u	-0.3705u
Al 308.215	330.215	329.739	324.928
As 188.980	-5.4175u	4.3226	8.3760
B 249.678	7.2071	6.8681	6.3063
Ba 389.178	21.4772	21.5727	21.0811
Be 313.042	0.0144	0.0138	0.0207
Ca 370.602	4926	4906	4859
Cd 226.502	-0.0775	-0.0499	-0.1060
Co 228.615	0.7550	0.8514	0.4875
Cr 267.716	0.5273	0.3360	0.6375
Cu 324.754	2.5758	2.2339	2.1410
Fe 271.441	1376.45	1376.88	1358.00
K 766.491	2132.91	2124.46	2113.92
Mg 279.078	2541.68	2531.53	2506.20
Mn 257.610	63.7325	63.6472	62.9099
Mo 202.032	0.3498	0.2339	-0.1664u
Na 330.237	5508.88	5642.00	5823.99
Ni 231.604	1.8722	0.9768	1.8347
Pb 220.353	1.0907	0.9574	1.9383
Sb 206.834	3.3462	4.5301	3.5247
Se 196.026	-3.8052u	-5.1514u	-2.5599u
Sn 189.925	-0.0821u	-3.4832u	-2.2333u
Sr 216.596	38.3185	37.9100	38.2190
Ti 334.941	5.3523	5.0056	5.3457
Tl 190.794	-1.9743u	-3.1946u	0.7065
V 292.401	1.4676	1.2980	0.9283
Zn 206.200	3.7745	3.9814	3.8858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0743	ppb	0.3730	502.2	-28.5956
Al 308.215	328.294	ppb	2.9247	0.9	1595.61
As 188.980	2.4270	ppb	7.0894	292.1	-5.5432
B 249.678	6.7938	ppb	0.4550	6.7	237.163
Ba 389.178	21.3770	ppb	0.2606	1.2	510.762
Be 313.042	0.0163	ppb	0.0038	23.5	-345.193
Ca 370.602	4897	ppb	34.30	0.7	15632
Cd 226.502	-0.0778	ppb	0.0281	36.0	39.1360
Co 228.615	0.6980	ppb	0.1885	27.0	17.0489
Cr 267.716	0.5002	ppb	0.1525	30.5	44.6740
Cu 324.754	2.3169	ppb	0.2290	9.9	372.836
Fe 271.441	1370.44	ppb	10.7799	0.8	2664.48
K 766.491	2123.76	ppb	9.5143	0.4	82219.6
Mg 279.078	2526.47	ppb	18.2697	0.7	5925.25
Mn 257.610	63.4299	ppb	0.4523	0.7	17059.0
Mo 202.032	0.1391	ppb	0.2708	194.7	17.9364
Na 330.237	5658.29	ppb	158.186	2.8	376.978
Ni 231.604	1.5613	ppb	0.5065	32.4	-0.9643
Pb 220.353	1.3288	ppb	0.5320	40.0	34.4247
Sb 206.834	3.8003	ppb	0.6383	16.8	8.3652
Se 196.026	-3.8388	ppb	1.2961	33.8	9.6658
Sn 189.925	-1.9329	ppb	1.7203	89.0	-14.4406
Sr 216.596	38.1492	ppb	0.2130	0.6	512.370
Ti 334.941	5.2345	ppb	0.1983	3.8	1579.13
Tl 190.794	-1.4874	ppb	1.9956	134.2	-17.5186
V 292.401	1.2313	ppb	0.2758	22.4	27.4965
Zn 206.200	3.8806	ppb	0.1935	210.7	5.5687

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/8/2013, 3:09:20 AM Rack 3, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	488.425	486.674	485.891
Al 308.215	4856.48	4851.95	4859.44
As 188.980	503.509	493.405	490.048
B 249.678	498.544	497.767	499.799
Ba 389.178	5093.83	5087.19	5098.42
Be 313.042	512.572	513.241	514.676
Ca 370.602	5001	4997	5000
Cd 226.502	511.604	509.642	509.889
Co 228.615	520.485	519.663	517.265
Cr 267.716	5152.32	5132.33	5138.91
Cu 324.754	5046.87	4996.60	5053.73
Fe 271.441	4940.55	4948.11	4945.19
K 766.491	10019.5	9996.25	10058.0
Mg 279.078	4948.18	4931.35	4942.75
Mn 257.610	5244.01	5229.78	5248.63
Mo 202.032	493.239	492.528	493.384
Na 330.237	7147.09	7023.73	7130.46
Ni 231.604	2583.82	2566.71	2572.06
Pb 220.353	492.203	487.786	490.217
Sb 206.834	969.688	960.459	963.015
Se 196.026	4894.20	4868.63	4869.90
Sn 189.925	5039.21	4960.56	5000.51
Sr 216.596	2511.68	2498.62	2500.14
Ti 334.941	494.295	493.685	495.117
Tl 190.794	4977.30	4949.75	4945.96
V 292.401	4933.93	4922.72	4925.27
Zn 206.200	2603.81	2585.64	2592.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	486.997	ppb	1.2978	0.3	39302.7	97.39933
Al 308.215	4855.96	ppb	3.7743	0.1	22586.9	97.11914
As 188.980	495.654	ppb	7.0070	1.4	230.648	99.13082
B 249.678	498.703	ppb	1.0253	0.2	6885.23	19.94814Q
Ba 389.178	5093.15	ppb	5.6464	0.1	118371	101.86293
Be 313.042	513.496	ppb	1.0752	0.2	974515	102.69926
Ca 370.602	4999	ppb	2.187	0.0	15947	99.98368
Cd 226.502	510.378	ppb	1.0688	0.2	21215.8	102.07569
Co 228.615	519.137	ppb	1.6728	0.3	7034.19	103.82749
Cr 267.716	5141.19	ppb	10.1917	0.2	271588	102.82370
Cu 324.754	5032.40	ppb	31.1909	0.6	237665	100.64803
Fe 271.441	4944.62	ppb	3.8084	0.1	9470.39	98.89231
K 766.491	10024.6	ppb	31.1594	0.3	386715	100.24587
Mg 279.078	4940.76	ppb	8.5910	0.2	11458.5	98.81523
Mn 257.610	5240.81	ppb	9.8203	0.2	1401187	104.81610
Mo 202.032	493.050	ppb	0.4581	0.1	4036.76	98.61008
Na 330.237	7100.43	ppb	66.9408	0.9	429.815	94.67236
Ni 231.604	2574.20	ppb	8.7482	0.3	7982.15	102.96785
Pb 220.353	490.069	ppb	2.2120	0.5	1050.75	98.01375
Sb 206.834	964.387	ppb	4.7648	0.5	1254.39	96.43873
Se 196.026	4877.58	ppb	14.4135	0.3	2711.04	97.55154
Sn 189.925	5000.09	ppb	39.3242	0.8	5061.64	100.00182
Sr 216.596	2503.48	ppb	7.1375	0.3	32149.3	100.13927
Ti 334.941	494.366	ppb	0.7184	0.1	151911	98.87319
Tl 190.794	4957.67	ppb	17.1019	0.3	5484.12	99.15340
V 292.401	4927.31	ppb	5.8727	0.1	143954	98.54615
Zn 206.200	2593.99	ppb	9.1748	0.4	4212.16	103.75945

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/8/2013, 3:14:46 AM Rack 3, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1062u	-0.1484u	-0.3383u
Al 308.215	-1.7679u	-1.4549u	-0.3181u
As 188.980	1.3288	-2.7577u	-1.5118u
B 249.678	7.3881	6.1890	5.8363
Ba 389.178	-0.0703u	-0.0619u	-0.0894u
Be 313.042	-0.0070u	-0.0022u	0.0005
Ca 370.602	-3.938u	3.518	0.7074
Cd 226.502	-0.0593u	0.0499	-0.0920u
Co 228.615	0.3164	0.1478	0.2495
Cr 267.716	-0.3291u	0.0234	-0.0331u
Cu 324.754	0.2313	0.1818	0.2849
Fe 271.441	5.7787	1.5245	-6.5365u
K 766.491	-0.9632u	-0.6875u	-1.2334u
Mg 279.078	-1.1007u	-2.7781u	-1.0060u
Mn 257.610	-0.1292u	-0.0561u	-0.0187u
Mo 202.032	-0.6040u	0.1064	-0.0305u
Na 330.237	-68.5083u	-54.6285u	-207.934u
Ni 231.604	0.1663	0.5373	-0.6455u
Pb 220.353	3.9831	-0.8844u	0.7980
Sb 206.834	5.3327	3.5228	5.3940
Se 196.026	1.6863	-1.2282u	-6.7366u
Sn 189.925	-0.6780u	2.0264	-1.5050u
Sr 216.596	-0.2946u	-0.1922u	-0.1882u
Ti 334.941	0.0578	0.0642	-0.0315u
Tl 190.794	-2.2828u	0.1476	1.2760
V 292.401	-0.2239u	-0.2112u	-0.3184u
Zn 206.200	0.7709	0.4376	0.2071

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1976	ppb	0.1236	62.6	-36.9780	-0.19763
Al 308.215	-1.1803	ppb	0.7629	64.6	66.8312	-1.18032
As 188.980	-0.9802	ppb	2.0945	213.7	-7.1971	-0.98023
B 249.678	6.4711	ppb	0.8134	12.6	234.638	6.47113
Ba 389.178	-0.0739	ppb	0.0141	19.1	3.8177	-0.07386
Be 313.042	-0.0029	ppb	0.0038	132.6	-382.486	-0.00289
Ca 370.602	0.0956	ppb	3.766	3940.6	8.078	0.09556
Cd 226.502	-0.0338	ppb	0.0743	219.8	35.8680	-0.03379
Co 228.615	0.2379	ppb	0.0849	35.7	10.7194	0.23789
Cr 267.716	-0.1129	ppb	0.1894	167.6	11.5107	-0.11295
Cu 324.754	0.2327	ppb	0.0516	22.2	274.133	0.23266
Fe 271.441	0.2556	ppb	6.2549	2447.5	108.258	0.25557
K 766.491	-0.9614	ppb	0.2730	28.4	333.526	-0.96137
Mg 279.078	-1.6283	ppb	0.9969	61.2	35.3724	-1.62827
Mn 257.610	-0.0680	ppb	0.0562	82.7	55.6442	-0.06799
Mo 202.032	-0.1760	ppb	0.3769	214.1	15.4406	-0.17604
Na 330.237	-110.357	ppb	84.7887	76.8	62.9391	-110.35693
Ni 231.604	0.0194	ppb	0.6049	3119.3	-5.7825	0.01939
Pb 220.353	1.2989	ppb	2.4721	190.3	34.3416	1.29892
Sb 206.834	4.7498	ppb	1.0631	22.4	9.4911	4.74985
Se 196.026	-2.0928	ppb	4.2775	204.4	10.6050	-2.09280
Sn 189.925	-0.0522	ppb	1.8470	3537.5	-12.5371	-0.05221
Sr 216.596	-0.2250	ppb	0.0603	26.8	17.4023	-0.22503
Ti 334.941	0.0302	ppb	0.0535	177.4	-32.4622	0.03016
Tl 190.794	-0.2864	ppb	1.8187	635.0	-16.0045	-0.28642
V 292.401	-0.2512	ppb	0.0586	23.3	-15.9852	-0.25119
Zn 206.200	0.4719	ppb	0.2835	60.1	0.1404	0.47190

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89942-a-2-a (Samp)**                      **5/8/2013, 3:20:12 AM**                      **Rack 3, Tube 3**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2169u	-0.2867u	-0.3872u
Al 308.215	201.749	201.228	204.233
As 188.980	-2.4751u	-0.7541u	4.3132
B 249.678	5.0615	5.1994	5.3118
Ba 389.178	15.3242	14.6491	14.6783
Be 313.042	0.0230	0.0276	0.0145
Ca 370.602	1072	1071	1065
Cd 226.502	0.1040	0.0471	-0.0549u
Co 228.615	1.6534	0.9439	0.9945
Cr 267.716	0.8335	0.3443	0.5703
Cu 324.754	1.0998	1.3159	1.1759
Fe 271.441	578.061	569.120	574.383
K 766.491	242.651	243.684	244.393
Mg 279.078	728.412	728.761	723.592
Mn 257.610	63.8182	63.6820	63.6145
Mo 202.032	-0.1854u	0.4675	0.9071
Na 330.237	2429.48	2377.58	2363.98
Ni 231.604	1.5325	2.1057	0.8658
Pb 220.353	2.5296	0.5656	0.1207
Sb 206.834	4.7119	1.5591	1.9552
Se 196.026	0.3377	4.3825	4.9515
Sn 189.925	-1.2804u	-1.8530u	-0.1284u
Sr 216.596	10.3967	10.4491	10.3842
Ti 334.941	1.9448	1.8622	1.8998
Tl 190.794	-1.8184u	0.6850	-0.2440u
V 292.401	0.0376	0.2063	0.6188
Zn 206.200	3.1254	1.4889	2.6233

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2969	ppb	0.0856	28.8	-45.2284
Al 308.215	202.403	ppb	1.6061	0.8	1011.51
As 188.980	0.3613	ppb	3.5289	976.7	-6.5519
B 249.678	5.1909	ppb	0.1254	2.4	216.552
Ba 389.178	14.8839	ppb	0.3816	2.6	354.066
Be 313.042	0.0217	ppb	0.0066	30.5	-335.812
Ca 370.602	1069	ppb	3.474	0.3	3399
Cd 226.502	0.0321	ppb	0.0805	251.0	40.7250
Co 228.615	1.1973	ppb	0.3958	33.1	23.7124
Cr 267.716	0.5827	ppb	0.2448	42.0	48.7603
Cu 324.754	1.1972	ppb	0.1096	9.2	319.803
Fe 271.441	573.854	ppb	4.4938	0.8	1178.50
K 766.491	243.576	ppb	0.8764	0.4	9757.91
Mg 279.078	726.922	ppb	2.8886	0.4	1731.92
Mn 257.610	63.7049	ppb	0.1038	0.2	17113.0
Mo 202.032	0.3964	ppb	0.5497	138.7	20.0864
Na 330.237	2390.35	ppb	34.5648	1.4	199.083
Ni 231.604	1.5013	ppb	0.6206	41.3	-1.1698
Pb 220.353	1.0720	ppb	1.2818	119.6	33.8895
Sb 206.834	2.7421	ppb	1.7174	62.6	7.0320
Se 196.026	3.2239	ppb	2.5157	78.0	13.5671
Sn 189.925	-1.0873	ppb	0.8784	80.8	-13.5858
Sr 216.596	10.4100	ppb	0.0345	0.3	154.620
Ti 334.941	1.9023	ppb	0.0414	2.2	546.343
Tl 190.794	-0.4591	ppb	1.2655	275.6	-16.3320
V 292.401	0.2876	ppb	0.2990	104.0	-0.2848
Zn 206.200	2.4125	ppb	0.8384	34.8	2.0855

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680-89942-a-3-a (Samp) 5/8/2013, 3:25:39 AM Rack 3, Tube 4

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2771u	-0.3987u	-0.2836u
Al 308.215	213.523	213.081	206.626
As 188.980	1.6348	-2.8853u	6.9325
B 249.678	3.8218	3.7486	3.1567
Ba 389.178	15.4827	15.7481	16.0519
Be 313.042	0.0316	0.0255	0.0289
Ca 370.602	1244	1248	1231
Cd 226.502	-0.1378u	0.0620	-0.0231
Co 228.615	1.6558	0.3128	0.9963
Cr 267.716	0.3941	0.4843	0.7325
Cu 324.754	0.6230	0.6842	1.1102
Fe 271.441	594.373	598.748	587.398
K 766.491	255.525	256.804	255.070
Mg 279.078	763.943	761.920	757.579
Mn 257.610	66.8526	66.8778	66.2996
Mo 202.032	-0.3683u	-0.2271u	0.0353
Na 330.237	2770.37	2647.08	2446.18
Ni 231.604	6.9520	7.1333	7.1739
Pb 220.353	3.1450	2.1562	0.5734
Sb 206.834	2.5407	4.8083	2.1477
Se 196.026	-0.9734u	3.2135	1.1585
Sn 189.925	0.9741	1.5894	1.2574
Sr 216.596	10.4962	10.3399	10.8692
Ti 334.941	2.0014	2.0830	1.9555
Tl 190.794	0.0008u	-2.2395u	-0.9007u
V 292.401	0.5327	0.4096	0.5846
Zn 206.200	2.8743	3.1027	2.6150

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3198	ppb	0.0684	21.4	-47.0644
Al 308.215	211.077	ppb	3.8608	1.8	1051.71
As 188.980	1.8940	ppb	4.9140	259.5	-5.8165
B 249.678	3.5757	ppb	0.3647	10.2	194.680
Ba 389.178	15.7609	ppb	0.2848	1.8	374.559
Be 313.042	0.0287	ppb	0.0031	10.7	-322.469
Ca 370.602	1241	ppb	9.056	0.7	3948
Cd 226.502	-0.0330	ppb	0.1002	304.1	38.1023
Co 228.615	0.9883	ppb	0.6716	68.0	20.9051
Cr 267.716	0.5369	ppb	0.1752	32.6	46.3666
Cu 324.754	0.8058	ppb	0.2654	32.9	301.328
Fe 271.441	593.506	ppb	5.7244	1.0	1215.12
K 766.491	255.799	ppb	0.8991	0.4	10229.0
Mg 279.078	761.147	ppb	3.2515	0.4	1811.62
Mn 257.610	66.6767	ppb	0.3268	0.5	17907.9
Mo 202.032	-0.1867	ppb	0.2048	109.7	15.3182
Na 330.237	2621.21	ppb	163.638	6.2	211.658
Ni 231.604	7.0864	ppb	0.1181	1.7	16.1615
Pb 220.353	1.9582	ppb	1.2971	66.2	35.7337
Sb 206.834	3.1656	ppb	1.4361	45.4	7.5627
Se 196.026	1.1329	ppb	2.0936	184.8	12.4115
Sn 189.925	1.2737	ppb	0.3080	24.2	-11.1897
Sr 216.596	10.5684	ppb	0.2719	2.6	156.609
Ti 334.941	2.0133	ppb	0.0646	3.2	580.618
Tl 190.794	-1.0465	ppb	1.1273	107.7	-16.9901
V 292.401	0.5090	ppb	0.0899	17.7	6.2964
Zn 206.200	2.8640	ppb	0.2440	8.5	28240

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680-89942-a-4-a (Samp) 5/8/2013, 3:31:05 AM Rack 3, Tube 5

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3176u	-0.0994u	-0.0961u
Al 308.215	1.6461	1.5487	0.0745
As 188.980	3.3526	4.1543	-0.5907u
B 249.678	-2.5638u	-1.9203u	-2.6669u
Ba 389.178	0.1377	-0.4340u	0.6807
Be 313.042	-0.0079u	-0.0106u	-0.0072u
Ca 370.602	4.945	3.170	3.020
Cd 226.502	-0.0277u	0.0194	0.0555
Co 228.615	0.2428	0.3319	0.3797
Cr 267.716	0.0978	-0.0163u	-0.0898u
Cu 324.754	0.1332	0.0580	0.0035
Fe 271.441	10.3481	1.9616	9.6801
K 766.491	-1.9823u	-1.4710u	-1.2879u
Mg 279.078	0.3013	2.8360	-0.9399u
Mn 257.610	-0.1453u	-0.0847u	-0.1339u
Mo 202.032	0.0208	0.3247	0.1549
Na 330.237	-79.6241u	264.476	-116.767u
Ni 231.604	1.1498	0.1731	-1.1139u
Pb 220.353	1.1867	2.3618	2.6197
Sb 206.834	-2.8097u	-1.7435u	-0.0478u
Se 196.026	2.7266	-5.5066u	2.5890
Sn 189.925	-0.9064u	0.1862	1.6400
Sr 216.596	0.1384	-0.2141u	-0.2100u
Ti 334.941	-0.0424u	-0.0254u	-0.0181u
Tl 190.794	-1.6135u	1.0044	2.4857
V 292.401	-0.0041u	-0.1604u	0.0188
Zn 206.200	0.6897	0.9936	1.5369

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1710	ppb	0.1269	74.2	-34.8299
Al 308.215	1.0898	ppb	0.8806	80.8	77.3738
As 188.980	2.3054	ppb	2.5399	110.2	-5.6229
B 249.678	-2.3837	ppb	0.4046	17.0	114.869
Ba 389.178	0.1281	ppb	0.5574	435.0	8.5292
Be 313.042	-0.0086	ppb	0.0018	20.9	-393.330
Ca 370.602	3.712	ppb	1.071	28.9	19.07
Cd 226.502	0.0158	ppb	0.0417	264.7	37.9496
Co 228.615	0.3181	ppb	0.0695	21.8	11.7980
Cr 267.716	-0.0028	ppb	0.0945	3426.1	17.3341
Cu 324.754	0.0649	ppb	0.0651	100.3	266.222
Fe 271.441	7.3299	ppb	4.6611	63.6	121.474
K 766.491	-1.5804	ppb	0.3599	22.8	309.669
Mg 279.078	0.7325	ppb	1.9245	262.8	40.8748
Mn 257.610	-0.1213	ppb	0.0322	26.6	41.4401
Mo 202.032	0.1668	ppb	0.1523	91.3	18.2425
Na 330.237	22.6948	ppb	210.210	926.2	70.1876
Ni 231.604	0.0697	ppb	1.1354	1629.9	-5.6263
Pb 220.353	2.0561	ppb	0.7638	37.2	35.9157
Sb 206.834	-1.5337	ppb	1.3929	90.8	1.7336
Se 196.026	-0.0637	ppb	4.7142	7401.9	11.7273
Sn 189.925	0.3066	ppb	1.2775	416.7	-12.1729
Sr 216.596	-0.0952	ppb	0.2023	212.5	19.0622
Ti 334.941	-0.0286	ppb	0.0125	43.5	-50.5331
Tl 190.794	0.6256	ppb	2.0757	331.8	-14.9919
V 292.401	-0.0486	ppb	0.0975	200.8	-10.0792
Zn 206.200	1.0734	ppb	0.4292	40.0	0.8407

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89897-c-1-a (Samp)**                      **5/8/2013, 3:36:31 AM**                      **Rack 3, Tube 6**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3759u	-0.2381u	-0.6838u
Al 308.215	1240.96	1241.06	1244.98
As 188.980	3.9917	11.3026	-0.9433u
B 249.678	48.5387	48.2666	48.3678
Ba 389.178	19.4398	18.7897	19.4319
Be 313.042	-0.0203u	-0.0300u	-0.0214u
Ca 370.602	64786	64641	64704
Cd 226.502	-0.0013	0.0928	0.2384
Co 228.615	0.8963	0.6945	1.1802
Cr 267.716	1.1696	1.4060	1.5425
Cu 324.754	27.7325	27.3073	26.4493
Fe 271.441	925.468	928.412	931.893
K 766.491	2219.71	2231.84	2222.68
Mg 279.078	26203.0	26161.3	26175.4
Mn 257.610	100.351	100.165	100.395
Mo 202.032	56.3621	56.5815	56.6087
Na 330.237	15752.7	15691.9	15667.2
Ni 231.604	59.7491	58.9978	61.1315
Pb 220.353	4.8800	3.5105	1.6067
Sb 206.834	-0.2455u	3.8464	3.2430
Se 196.026	4.7687	3.4468	7.4965
Sn 189.925	-1.6508u	1.6989	3.2186
Sr 216.596	86.0025	86.5690	85.9049
Ti 334.941	-0.0618	0.0232	-0.0027
Tl 190.794	-2.7260u	1.8088	-3.2448u
V 292.401	0.3646u	0.6743	0.3933u
Zn 206.200	8.1517	8.0612	9.4901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4326	ppb	0.2282	52.7	-60.2682
Al 308.215	1242.33	ppb	2.2922	0.2	5842.97
As 188.980	4.7837	ppb	6.1612	128.8	-4.0282
B 249.678	48.3910	ppb	0.1375	0.3	800.351
Ba 389.178	19.2205	ppb	0.3730	1.9	522.305
Be 313.042	-0.0239	ppb	0.0053	22.3	-411.378
Ca 370.602	64711	ppb	72.83	0.1	207849
Cd 226.502	0.1100	ppb	0.1208	109.8	45.5470
Co 228.615	0.9237	ppb	0.2440	26.4	17.7446
Cr 267.716	1.3727	ppb	0.1887	13.7	91.0371
Cu 324.754	27.1630	ppb	0.6537	2.4	1546.46
Fe 271.441	928.591	ppb	3.2164	0.3	1840.28
K 766.491	2224.74	ppb	6.3268	0.3	86111.4
Mg 279.078	26179.9	ppb	21.2180	0.1	61040.2
Mn 257.610	100.304	ppb	0.1220	0.1	27139.0
Mo 202.032	56.5174	ppb	0.1352	0.2	478.852
Na 330.237	15703.9	ppb	43.9970	0.3	925.029
Ni 231.604	59.9595	ppb	1.0823	1.8	180.238
Pb 220.353	3.3324	ppb	1.6439	49.3	38.5301
Sb 206.834	2.2813	ppb	2.2090	96.8	5.5350
Se 196.026	5.2374	ppb	2.0651	39.4	14.6934
Sn 189.925	1.0889	ppb	2.4913	228.8	-11.3389
Sr 216.596	86.1588	ppb	0.3586	0.4	1133.26
Ti 334.941	-0.0138	ppb	0.0436	317.0	82.5039
Tl 190.794	-1.3873	ppb	2.7800	200.4	-17.4716
V 292.401	0.4774	ppb	0.1711	35.8	-6.3885
Zn 206.200	8.5677	ppb	0.8992	9.3	1211575

680-89897-c-1-b ms (Samp) 5/8/2013, 3:41:58 AM Rack 3, Tube 7  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	51.9464	50.0704	51.0885
Al 308.215	6181.14	6202.78	6197.18
As 188.980	108.772	114.732	107.767
B 249.678	244.079	245.086	246.385
Ba 389.178	123.234	124.193	123.720
Be 313.042	53.0352	53.0775	53.1665
Ca 370.602	68375	68471	68463
Cd 226.502	52.1158	52.2542	52.2028
Co 228.615	53.2712	52.6573	52.5057
Cr 267.716	105.390	105.561	105.769
Cu 324.754	134.170	130.945	131.993
Fe 271.441	5794.91	5804.36	5802.81
K 766.491	7561.94	7591.23	7578.13
Mg 279.078	30832.8	30872.3	30911.2
Mn 257.610	634.968	634.564	634.865
Mo 202.032	155.631	156.513	155.286
Na 330.237	20763.2	20485.7	20554.9
Ni 231.604	157.468	160.819	159.594
Pb 220.353	51.2988	50.7389	51.8457
Sb 206.834	53.4956	52.6656	52.3879
Se 196.026	100.085	108.571	102.799
Sn 189.925	195.286	199.930	204.455
Sr 216.596	187.872	187.787	188.133
Ti 334.941	99.3728	99.5378	99.8830
Tl 190.794	34.1981	40.2144	38.2822
V 292.401	100.994	100.734	100.731
Zn 206.200	113.088	115.141	116.143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.0351	ppb	0.9391	1.8	4100.60
Al 308.215	6193.70	ppb	11.2316	0.2	28827.4
As 188.980	110.424	ppb	3.7645	3.4	46.5542
B 249.678	245.184	ppb	1.1560	0.5	3455.37
Ba 389.178	123.715	ppb	0.4794	0.4	2970.09
Be 313.042	53.0930	ppb	0.0670	0.1	100441
Ca 370.602	68437	ppb	53.35	0.1	219455
Cd 226.502	52.1909	ppb	0.0700	0.1	2222.95
Co 228.615	52.8114	ppb	0.4053	0.8	718.106
Cr 267.716	105.573	ppb	0.1898	0.2	5598.35
Cu 324.754	132.370	ppb	1.6450	1.2	6513.25
Fe 271.441	5800.69	ppb	5.0701	0.1	10939.3
K 766.491	7577.10	ppb	14.6741	0.2	292389
Mg 279.078	30872.1	ppb	39.2008	0.1	71963.5
Mn 257.610	634.799	ppb	0.2101	0.0	170088
Mo 202.032	155.810	ppb	0.6329	0.4	1290.07
Na 330.237	20601.3	ppb	144.481	0.7	1188.66
Ni 231.604	159.294	ppb	1.6958	1.1	488.599
Pb 220.353	51.2945	ppb	0.5534	1.1	138.253
Sb 206.834	52.8497	ppb	0.5763	1.1	68.2363
Se 196.026	103.818	ppb	4.3339	4.2	69.3984
Sn 189.925	199.890	ppb	4.5844	2.3	190.410
Sr 216.596	187.931	ppb	0.1803	0.1	2439.32
Ti 334.941	99.5979	ppb	0.2604	0.3	30718.8
Tl 190.794	37.5649	ppb	3.0716	8.2	24.6771
V 292.401	100.820	ppb	0.1508	0.1	2907.91
Zn 206.200	114.791	ppb	1.5571	1.4	186.546



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89897-c-1-c msd (Samp) 5/8/2013, 3:47:24 AM Rack 3, Tube 8****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.7904	51.5813	51.7556
Al 308.215	6257.51	6275.85	6286.55
As 188.980	112.955	109.213	110.001
B 249.678	251.188	250.134	253.062
Ba 389.178	124.975	123.673	124.909
Be 313.042	53.7244	53.8074	53.8439
Ca 370.602	69412	69588	69612
Cd 226.502	52.5330	52.6656	52.5793
Co 228.615	53.2848	53.0878	54.1574
Cr 267.716	107.273	107.062	107.279
Cu 324.754	133.488	135.090	134.327
Fe 271.441	6127.86	6126.26	6137.33
K 766.491	7715.84	7683.94	7679.09
Mg 279.078	31315.3	31360.7	31370.8
Mn 257.610	644.784	644.114	645.540
Mo 202.032	158.922	158.445	158.895
Na 330.237	20991.5	20898.0	20906.8
Ni 231.604	162.172	162.114	162.703
Pb 220.353	48.9435	51.9924	54.3041
Sb 206.834	56.6947	51.9264	53.4492
Se 196.026	101.098	99.5653	97.6218
Sn 189.925	198.131	202.503	203.807
Sr 216.596	190.818	190.496	191.082
Ti 334.941	100.545	100.771	100.766
Tl 190.794	39.5678	39.0657	37.2441
V 292.401	102.588	101.992	101.934
Zn 206.200	115.867	116.981	117.492

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.7091	ppb	0.1120	0.2	4155.04
Al 308.215	6273.30	ppb	14.6890	0.2	29197.0
As 188.980	110.723	ppb	1.9724	1.8	46.7017
B 249.678	251.461	ppb	1.4831	0.6	3539.83
Ba 389.178	124.519	ppb	0.7331	0.6	2990.50
Be 313.042	53.7919	ppb	0.0612	0.1	101768
Ca 370.602	69537	ppb	109.1	0.2	222966
Cd 226.502	52.5926	ppb	0.0673	0.1	2240.84
Co 228.615	53.5100	ppb	0.5693	1.1	727.468
Cr 267.716	107.205	ppb	0.1234	0.1	5684.67
Cu 324.754	134.301	ppb	0.8013	0.6	6604.54
Fe 271.441	6130.48	ppb	5.9834	0.1	11554.6
K 766.491	7692.95	ppb	19.9627	0.3	296854
Mg 279.078	31348.9	ppb	29.5923	0.1	73074.5
Mn 257.610	644.812	ppb	0.7135	0.1	172771
Mo 202.032	158.754	ppb	0.2679	0.2	1314.12
Na 330.237	20932.1	ppb	51.6039	0.2	1206.56
Ni 231.604	162.330	ppb	0.3248	0.2	498.029
Pb 220.353	51.7467	ppb	2.6887	5.2	139.193
Sb 206.834	54.0234	ppb	2.4355	4.5	69.6760
Se 196.026	99.4283	ppb	1.7421	1.8	66.9753
Sn 189.925	201.480	ppb	2.9734	1.5	192.024
Sr 216.596	190.799	ppb	0.2932	0.2	2476.39
Ti 334.941	100.694	ppb	0.1294	0.1	31058.0
Tl 190.794	38.6259	ppb	1.2227	3.2	25.8200
V 292.401	102.171	ppb	0.3620	0.4	2946.88
Zn 206.200	116.780	ppb	0.8311	0.7	189.821

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**mb 680-275669/1-a (Samp)**      **5/8/2013, 3:52:50 AM**      **Rack 3, Tube 9**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0239	-0.3054u	-0.2410u
Al 308.215	0.4184	-1.1826u	2.8409
As 188.980	-4.5554u	-2.5059u	4.6413
B 249.678	4.8699	4.3150	4.8060
Ba 389.178	0.1892	-0.2921u	0.1920
Be 313.042	-0.0003u	-0.0065u	-0.0114u
Ca 370.602	1.842	-0.3562u	7.126
Cd 226.502	0.0003	-0.0195u	-0.2968u
Co 228.615	-0.3419u	-0.1602u	-0.3751u
Cr 267.716	-0.2371u	-0.2596u	-0.2869u
Cu 324.754	0.3157	0.1447	-0.1809u
Fe 271.441	2.2671	-2.3607u	6.3486
K 766.491	-0.4532u	-1.2105u	0.9803
Mg 279.078	2.9144	4.2574	8.9274
Mn 257.610	-0.0526u	-0.0357u	-0.0122u
Mo 202.032	-0.6591u	0.3521	-0.1864u
Na 330.237	-121.362u	-43.5974u	155.310
Ni 231.604	0.4844	0.4957	0.2398
Pb 220.353	-0.0671u	-1.0937u	0.4492
Sb 206.834	-3.8270u	-4.1253u	2.1003
Se 196.026	0.9934	-6.0271u	1.9010
Sn 189.925	0.6293	2.0492	-2.1979u
Sr 216.596	-0.4071u	-0.1101u	0.2091
Ti 334.941	-0.0326u	-0.0189u	0.0400
Tl 190.794	1.8059	-2.1839u	1.8629
V 292.401	-0.1632u	-0.2988u	-0.3783u
Zn 206.200	9.9618	9.4624	10.2335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1742	ppb	0.1745	100.2	-35.0827
Al 308.215	0.6922	ppb	2.0257	292.6	75.5142
As 188.980	-0.8067	ppb	4.8281	598.5	-7.1139
B 249.678	4.6636	ppb	0.3036	6.5	210.188
Ba 389.178	0.0297	ppb	0.2787	938.0	6.2447
Be 313.042	-0.0061	ppb	0.0055	91.2	-388.523
Ca 370.602	2.871	ppb	3.846	134.0	16.76
Cd 226.502	-0.1053	ppb	0.1661	157.6	32.9112
Co 228.615	-0.2924	ppb	0.1157	39.6	3.5530
Cr 267.716	-0.2612	ppb	0.0250	9.6	3.6826
Cu 324.754	0.0931	ppb	0.2523	270.9	267.550
Fe 271.441	2.0850	ppb	4.3575	209.0	111.581
K 766.491	-0.2278	ppb	1.1127	488.5	361.799
Mg 279.078	5.3664	ppb	3.1562	58.8	51.6703
Mn 257.610	-0.0335	ppb	0.0203	60.6	64.9330
Mo 202.032	-0.1644	ppb	0.5059	307.7	15.5352
Na 330.237	-3.2163	ppb	142.688	4436.4	68.7077
Ni 231.604	0.4066	ppb	0.1446	35.6	-4.5808
Pb 220.353	-0.2372	ppb	0.7854	331.1	31.1480
Sb 206.834	-1.9507	ppb	3.5114	180.0	1.2186
Se 196.026	-1.0442	ppb	4.3391	415.5	11.1850
Sn 189.925	0.1602	ppb	2.1621	1349.5	-12.3214
Sr 216.596	-0.1027	ppb	0.3082	300.1	18.9715
Ti 334.941	-0.0039	ppb	0.0385	1000.6	-42.8907
Tl 190.794	0.4950	ppb	2.3201	468.7	-15.1372
V 292.401	-0.2801	ppb	0.1088	38.8	-16.8119
Zn 206.200	9.8859	ppb	0.3911	4.0	15.2078

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ics 680-275669/2-a (Samp)      5/8/2013, 3:58:16 AM      Rack 3, Tube 10  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.1414	50.3880	50.4165
Al 308.215	4798.66	4813.99	4801.53
As 188.980	106.829	105.584	101.073
B 249.678	192.865	195.485	195.579
Ba 389.178	102.328	102.758	101.737
Be 313.042	51.8072	51.9788	51.9040
Ca 370.602	4838	4868	4856
Cd 226.502	52.4665	52.4465	52.3083
Co 228.615	51.6899	52.5611	52.2307
Cr 267.716	103.590	104.355	103.864
Cu 324.754	101.759	101.899	101.121
Fe 271.441	4888.59	4909.90	4890.11
K 766.491	5090.49	5099.45	5112.02
Mg 279.078	4950.74	4974.78	4962.65
Mn 257.610	532.747	534.752	533.478
Mo 202.032	98.2454	98.8963	98.7738
Na 330.237	4543.22	4885.03	4382.17
Ni 231.604	103.334	103.489	103.851
Pb 220.353	51.7041	50.9581	51.2217
Sb 206.834	50.9170	45.7224	51.1725
Se 196.026	98.8812	93.9523	94.0026
Sn 189.925	193.580	199.377	201.525
Sr 216.596	101.835	100.858	101.619
Ti 334.941	98.1542	98.5209	98.3203
Tl 190.794	34.9645	46.4651	39.9513
V 292.401	99.3302	100.384	99.5930
Zn 206.200	110.878	107.654	107.227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.3153	ppb	0.1512	0.3	4046.64
Al 308.215	4804.73	ppb	8.1483	0.2	22376.2
As 188.980	104.495	ppb	3.0281	2.9	43.3126
B 249.678	194.643	ppb	1.5406	0.8	2773.02
Ba 389.178	102.274	ppb	0.5125	0.5	2402.44
Be 313.042	51.8967	ppb	0.0860	0.2	98158.7
Ca 370.602	4854	ppb	15.11	0.3	15236
Cd 226.502	52.4071	ppb	0.0862	0.2	2228.31
Co 228.615	52.1606	ppb	0.4398	0.8	711.559
Cr 267.716	103.936	ppb	0.3875	0.4	5510.82
Cu 324.754	101.593	ppb	0.4146	0.4	5059.44
Fe 271.441	4896.20	ppb	11.8912	0.2	9251.72
K 766.491	5100.65	ppb	10.8148	0.2	196948
Mg 279.078	4962.72	ppb	12.0192	0.2	11593.0
Mn 257.610	533.659	ppb	1.0147	0.2	142802
Mo 202.032	98.6385	ppb	0.3459	0.4	822.753
Na 330.237	4603.47	ppb	256.785	5.6	316.544
Ni 231.604	103.558	ppb	0.2654	0.3	315.625
Pb 220.353	51.2946	ppb	0.3783	0.7	138.293
Sb 206.834	49.2706	ppb	3.0755	6.2	64.7330
Se 196.026	95.6120	ppb	2.8313	3.0	64.8254
Sn 189.925	198.161	ppb	4.1099	2.1	188.615
Sr 216.596	101.437	ppb	0.5133	0.5	1322.14
Ti 334.941	98.3318	ppb	0.1836	0.2	30202.5
Tl 190.794	40.4603	ppb	5.7672	14.3	28.1370
V 292.401	99.7690	ppb	0.5484	0.5	2889.11
Zn 206.200	108.586	ppb	1.9958	1.8	176.336

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640-43377-a-3-a (Samp)                      5/8/2013, 4:03:43 AM                      Rack 3, Tube 11  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0399u	-0.4295u	-0.0740u
Al 308.215	4.2057	8.5015	12.0672
As 188.980	-0.0966	2.3664	3.3975
B 249.678	53.3175	52.7808	53.2882
Ba 389.178	41.7126	41.2208	41.5087
Be 313.042	-0.0054u	-0.0009u	-0.0089u
Ca 370.602	17341	17308	17232
Cd 226.502	0.0314	0.0263	-0.0060
Co 228.615	1.0195	0.8682	1.0871
Cr 267.716	0.0381	-0.2192u	-0.0029
Cu 324.754	1.4679	1.0120	1.1990
Fe 271.441	1100.08	1089.91	1096.94
K 766.491	2655.06	2651.71	2656.14
Mg 279.078	7647.37	7611.81	7577.93
Mn 257.610	150.735	150.082	149.867
Mo 202.032	0.2246	0.4892	0.2410
Na 330.237	128205x	128525x	126948x
Ni 231.604	0.8569	1.2637	2.1366
Pb 220.353	2.5668	2.7333	2.3875
Sb 206.834	-0.9376u	1.1604	0.1053
Se 196.026	-3.9034u	3.4599	-0.1395u
Sn 189.925	0.2020	0.1027	-1.1434u
Sr 216.596	1130.31	1125.53	1120.61
Ti 334.941	0.0561	-0.0190	0.0704
Tl 190.794	-0.2914u	4.7575	0.5533
V 292.401	-0.6758u	-0.2448u	-0.2588u
Zn 206.200	2.4032	3.1778	3.8974

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1811b	ppb	0.2158	119.1	-90.1877
Al 308.215	8.2581b	ppb	3.9364	47.7	110.654
As 188.980	1.8891b	ppb	1.7953	95.0	-5.7169
B 249.678	53.1288b	ppb	0.3017	0.6	864.201
Ba 389.178	41.4807b	ppb	0.2471	0.6	990.803
Be 313.042	-0.0051b	ppb	0.0040	79.5	-396.040
Ca 370.602	17294b	ppb	55.77	0.3	55487
Cd 226.502	0.0172b	ppb	0.0203	117.7	41.3752
Co 228.615	0.9916b	ppb	0.1121	11.3	20.8583
Cr 267.716	-0.0613b	ppb	0.1383	225.4	17.7484
Cu 324.754	1.2263b	ppb	0.2292	18.7	321.328
Fe 271.441	1095.64b	ppb	5.2041	0.5	2151.87
K 766.491	2654.31b	ppb	2.3088	0.1	102667
Mg 279.078	7612.37b	ppb	34.7258	0.5	17774.7
Mn 257.610	150.228b	ppb	0.4520	0.3	40309.8
Mo 202.032	0.3183b	ppb	0.1483	46.6	19.4202
Na 330.237	127892xb	ppb	833.558	0.7	7043.71
Ni 231.604	1.4190b	ppb	0.6538	46.1	-1.4124
Pb 220.353	2.5625b	ppb	0.1730	6.7	37.0091
Sb 206.834	0.1094b	ppb	1.0490	959.0	3.7903
Se 196.026	-0.1943b	ppb	3.6819	1894.8	11.7038
Sn 189.925	-0.2795b	ppb	0.7497	268.2	-12.7033
Sr 216.596	1125.48b	ppb	4.8550	0.4	14498.7
Ti 334.941	0.0358b	ppb	0.0481	134.1	-3.8174
Tl 190.794	1.6731b	ppb	2.7043	161.6	-14.1355
V 292.401	-0.3931b	ppb	0.2449	62.3	-21.1838
Zn 206.200	3.1595b	ppb	0.7472	23.7	4.3641

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640-43377-a-3-aSD^5 (Samp) 5/8/2013, 4:09:09 AM Rack 3, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2297u	-0.4341u	-0.0956u
Al 308.215	1.1948	0.3251	0.8402
As 188.980	-1.2906u	1.6514	1.5317
B 249.678	11.3312	11.1925	11.0828
Ba 389.178	8.2019	7.7571	8.6408
Be 313.042	-0.0101u	-0.0076u	-0.0172u
Ca 370.602	3740	3757	3724
Cd 226.502	-0.0040	-0.0486u	-0.1918u
Co 228.615	0.3829	0.5194	0.6453
Cr 267.716	-0.0529u	-0.1016u	-0.1342u
Cu 324.754	0.7490	0.2939	0.5507
Fe 271.441	238.474	245.444	243.204
K 766.491	515.433	517.944	515.613
Mg 279.078	1661.70	1672.89	1657.00
Mn 257.610	32.9175	32.8885	32.6985
Mo 202.032	0.1351	0.2502	0.3964
Na 330.237	26349.0	26506.8	26254.5
Ni 231.604	0.5115	0.0942	-0.0875u
Pb 220.353	0.4242	-1.6271u	0.4881
Sb 206.834	0.7512	1.0578	3.6234
Se 196.026	6.2818	-1.4214u	-0.5407u
Sn 189.925	-0.5255u	1.9980	0.4804
Sr 216.596	245.852	247.463	244.634
Ti 334.941	-0.0396u	-0.0068	-0.0226u
Tl 190.794	-0.5795u	3.0259	-0.0150u
V 292.401	-0.3513u	-0.4276u	0.0727
Zn 206.200	0.4623	1.2332	1.4178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2531	ppb	0.1705	67.3	-53.3596
Al 308.215	0.7867	ppb	0.4373	55.6	75.9880
As 188.980	0.6308	ppb	1.6651	263.9	-6.4025
B 249.678	11.2022	ppb	0.1245	1.1	298.299
Ba 389.178	8.1999	ppb	0.4419	5.4	200.761
Be 313.042	-0.0117	ppb	0.0050	42.6	-401.078
Ca 370.602	3740	ppb	16.28	0.4	12006
Cd 226.502	-0.0815	ppb	0.0981	120.4	34.6528
Co 228.615	0.5158	ppb	0.1312	25.4	14.4544
Cr 267.716	-0.0962	ppb	0.0409	42.5	13.1353
Cu 324.754	0.5312	ppb	0.2282	43.0	288.293
Fe 271.441	242.374	ppb	3.5581	1.5	559.990
K 766.491	516.330	ppb	1.4008	0.3	20269.7
Mg 279.078	1663.86	ppb	8.1641	0.5	3915.68
Mn 257.610	32.8348	ppb	0.1190	0.4	8868.07
Mo 202.032	0.2606	ppb	0.1310	50.3	18.9960
Na 330.237	26370.1	ppb	127.491	0.5	1507.07
Ni 231.604	0.1727	ppb	0.3071	177.8	-5.3007
Pb 220.353	-0.2382	ppb	1.2032	505.0	31.1539
Sb 206.834	1.8108	ppb	1.5772	87.1	5.8653
Se 196.026	1.4399	ppb	4.2163	292.8	12.5697
Sn 189.925	0.6510	ppb	1.2704	195.2	-11.8101
Sr 216.596	245.983	ppb	1.4188	0.6	3184.66
Ti 334.941	-0.0230	ppb	0.0164	71.4	-42.7915
Tl 190.794	0.8105	ppb	1.9393	239.3	-14.8537
V 292.401	-0.2354	ppb	0.2695	114.5	-15.7862
Zn 206.200	1.0378	ppb	0.5068	48.8	0.8093

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/8/2013, 4:14:35 AM Rack 3, Tube 13  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	493.535	491.989	487.730
Al 308.215	4825.31	4813.26	4855.05
As 188.980	496.831	499.144	495.972
B 249.678	500.829	505.816	503.512
Ba 389.178	5105.32	5076.72	5103.12
Be 313.042	513.733	512.472	514.063
Ca 370.602	4997	4986	5009
Cd 226.502	513.013	511.336	514.924
Co 228.615	522.224	520.760	521.527
Cr 267.716	5171.50	5143.67	5169.14
Cu 324.754	4987.46	5092.09	4968.97
Fe 271.441	4959.39	4957.55	4977.54
K 766.491	10084.5	10084.9	10086.0
Mg 279.078	4966.04	4949.82	4970.14
Mn 257.610	5258.70	5249.06	5269.20
Mo 202.032	493.682	492.079	497.720
Na 330.237	7240.75	7122.90	7524.54
Ni 231.604	2584.19	2579.84	2590.44
Pb 220.353	488.432	491.309	494.707
Sb 206.834	967.892	966.689	974.782
Se 196.026	4920.26	4876.40	4905.44
Sn 189.925	5041.09	4991.64	5021.84
Sr 216.596	2522.25	2505.71	2517.47
Ti 334.941	496.758	493.799	496.772
Tl 190.794	5017.15	4977.94	5007.59
V 292.401	4951.77	4929.52	4959.73
Zn 206.200	2619.07	2602.77	2608.22

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.085	ppb	3.0063	0.6	39632.2	98.21699
Al 308.215	4831.21	ppb	21.5108	0.4	22472.2	96.62416
As 188.980	497.316	ppb	1.6403	0.3	231.444	99.46317
B 249.678	503.386	ppb	2.4959	0.5	6948.52	20.13542Q
Ba 389.178	5095.05	ppb	15.9163	0.3	118416	101.90108
Be 313.042	513.423	ppb	0.8395	0.2	974374	102.68453
Ca 370.602	4997	ppb	11.53	0.2	15940	99.94834
Cd 226.502	513.091	ppb	1.7956	0.3	21328.4	102.61821
Co 228.615	521.504	ppb	0.7320	0.1	7066.13	104.30070
Cr 267.716	5161.44	ppb	15.4311	0.3	272658	103.22875
Cu 324.754	5016.17	ppb	66.3939	1.3	236899	100.32349
Fe 271.441	4964.83	ppb	11.0489	0.2	9508.70	99.29657
K 766.491	10085.1	ppb	0.7637	0.0	389047	100.85103
Mg 279.078	4962.00	ppb	10.7474	0.2	11507.7	99.23999
Mn 257.610	5258.99	ppb	10.0685	0.2	1406048	105.17976
Mo 202.032	494.494	ppb	2.9064	0.6	4048.51	98.89873
Na 330.237	7296.06	ppb	206.453	2.8	440.328	97.28082
Ni 231.604	2584.82	ppb	5.3310	0.2	8015.13	103.39289
Pb 220.353	491.482	ppb	3.1412	0.6	1053.69	98.29649
Sb 206.834	969.788	ppb	4.3665	0.5	1261.27	96.97878
Se 196.026	4900.70	ppb	22.3120	0.5	2723.84	98.01395
Sn 189.925	5018.19	ppb	24.9249	0.5	5080.01	100.36378
Sr 216.596	2515.14	ppb	8.5108	0.3	32298.9	100.60561
Ti 334.941	495.776	ppb	1.7126	0.3	152344	99.15527
Tl 190.794	5000.89	ppb	20.4461	0.4	5532.10	100.01780
V 292.401	4947.01	ppb	15.6615	0.3	144529	98.94016
Zn 206.200	2610.02	ppb	8.2975	0.3	4238.24	104.40087

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Cont Calib Blank (CCB) 5/8/2013, 4:20:02 AM Rack 3, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2696	0.1653	-0.1399u
Al 308.215	-1.8288u	-1.7877u	-0.9499u
As 188.980	-3.9661u	2.4363	0.2994
B 249.678	6.8673	6.5800	5.9792
Ba 389.178	0.0336	-0.8578u	0.2779
Be 313.042	-0.0018u	-0.0033u	0.0022
Ca 370.602	-3.945u	-1.631u	-2.377u
Cd 226.502	-0.0304u	-0.1807u	-0.0751u
Co 228.615	0.1444	0.2744	0.5423
Cr 267.716	-0.2136u	-0.1438u	-0.1418u
Cu 324.754	-0.1362u	0.3400	0.3534
Fe 271.441	4.3672	-2.6361u	-3.9752u
K 766.491	-2.1826u	-1.0715u	-1.8047u
Mg 279.078	-1.1451u	1.3613	0.9069
Mn 257.610	-0.1200u	-0.0974u	-0.0565u
Mo 202.032	0.4157	0.1513	-0.1292u
Na 330.237	-150.654u	-286.950u	-138.560u
Ni 231.604	0.9294	-0.0166u	0.2997
Pb 220.353	0.4128	3.0740	1.4348
Sb 206.834	5.1622	8.2607	2.5360
Se 196.026	-1.7103u	-1.1126u	-1.3709u
Sn 189.925	0.6561	0.9769	-0.4192u
Sr 216.596	-0.0799u	-0.1731u	0.0648
Ti 334.941	0.0214	0.0059	0.0776
Tl 190.794	-0.0882u	0.5057	1.0887
V 292.401	0.0282	0.0180	-0.5185u
Zn 206.200	0.6596	0.2610	1.1741

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0983	ppb	0.2128	216.4	-13.0429	0.09834
Al 308.215	-1.5222	ppb	0.4960	32.6	65.2709	-1.52216
As 188.980	-0.4102	ppb	3.2596	794.7	-6.9240	-0.41016
B 249.678	6.4755	ppb	0.4531	7.0	234.695	6.47550
Ba 389.178	-0.1821	ppb	0.5978	328.4	1.3120	-0.18206
Be 313.042	-0.0010	ppb	0.0028	296.2	-378.838	-0.00095
Ca 370.602	-2.651	ppb	1.181	44.5	-0.8613	-2.65106
Cd 226.502	-0.0954	ppb	0.0772	80.9	33.3187	-0.09541
Co 228.615	0.3204	ppb	0.2029	63.3	11.8245	0.32040
Cr 267.716	-0.1664	ppb	0.0409	24.6	8.6865	-0.16638
Cu 324.754	0.1857	ppb	0.2789	150.1	271.926	0.18574
Fe 271.441	-0.7480	ppb	4.4802	598.9	106.402	-0.74803
K 766.491	-1.6863	ppb	0.5649	33.5	305.589	-1.68625
Mg 279.078	0.3744	ppb	1.3354	356.7	40.0396	0.37436
Mn 257.610	-0.0913	ppb	0.0322	35.2	49.4292	-0.09131
Mo 202.032	0.1460	ppb	0.2725	186.7	18.0725	0.14596
Na 330.237	-192.054	ppb	82.4037	42.9	58.4827	-192.05443
Ni 231.604	0.4042	ppb	0.4816	119.1	-4.5884	0.40418
Pb 220.353	1.6405	ppb	1.3425	81.8	35.0514	1.64052
Sb 206.834	5.3196	ppb	2.8656	53.9	10.1898	5.31961
Se 196.026	-1.3979	ppb	0.2997	21.4	10.9893	-1.39794
Sn 189.925	0.4046	ppb	0.7312	180.7	-12.0735	0.40459
Sr 216.596	-0.0627	ppb	0.1199	191.2	19.4561	-0.06271
Ti 334.941	0.0350	ppb	0.0377	107.9	-30.9698	0.03497
Tl 190.794	0.5021	ppb	0.5884	117.2	-15.1289	0.50207
V 292.401	-0.1574	ppb	0.3128	198.6	-13.2868	-0.15744
Zn 206.200	0.6982	ppb	0.4578	65.6	0.2289	0.69823

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**640-43377-a-3-aPDS (Samp) 5/8/2013, 4:25:28 AM Rack 3, Tube 15****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.2003	49.1552	48.9915
Al 308.215	1959.80	1959.50	1963.24
As 188.980	2203.81	2193.55	2184.06
B 249.678	1057.12	1061.78	1066.26
Ba 389.178	2130.79	2125.72	2126.39
Be 313.042	51.9663	51.8206	51.8082
Ca 370.602	23159	23144	23126
Cd 226.502	52.6510	52.6290	52.8105
Co 228.615	530.853	531.090	528.583
Cr 267.716	209.632	208.872	208.603
Cu 324.754	258.600	258.810	258.637
Fe 271.441	2163.92	2152.57	2156.95
K 766.491	9101.36	9050.10	9028.55
Mg 279.078	13175.9	13231.2	13209.2
Mn 257.610	696.826	695.082	694.948
Mo 202.032	512.220	513.052	513.561
Na 330.237	143078x	142449x	142923x
Ni 231.604	514.929	521.244	520.917
Pb 220.353	499.513	503.290	502.336
Sb 206.834	497.954	500.389	493.428
Se 196.026	2023.65	2052.48	2039.06
Sn 189.925	1036.83	1029.26	1031.87
Sr 216.596	1720.69	1717.06	1716.92
Ti 334.941	1007.55	1004.98	1004.48
Tl 190.794	2072.89	2066.11	2057.51
V 292.401	500.535	498.993	498.550
Zn 206.200	534.623	542.595	531.450

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1156b	ppb	0.1099	0.2	3873.48
Al 308.215	1960.85b	ppb	2.0791	0.1	9219.50
As 188.980	2193.81b	ppb	9.8745	0.5	1044.43
B 249.678	1061.72b	ppb	4.5700	0.4	14503.7
Ba 389.178	2127.63b	ppb	2.7517	0.1	49479.7
Be 313.042	51.8650b	ppb	0.0879	0.2	98006.1
Ca 370.602	23143b	ppb	16.48	0.1	74396
Cd 226.502	52.6968b	ppb	0.0991	0.2	2229.56
Co 228.615	530.175b	ppb	1.3840	0.3	7182.62
Cr 267.716	209.035b	ppb	0.5339	0.3	11063.5
Cu 324.754	258.682b	ppb	0.1124	0.0	12477.5
Fe 271.441	2157.81b	ppb	5.7271	0.3	4227.80
K 766.491	9060.00b	ppb	37.4008	0.4	349540
Mg 279.078	13205.4b	ppb	27.8510	0.2	30797.2
Mn 257.610	695.619b	ppb	1.0476	0.2	186168
Mo 202.032	512.944b	ppb	0.6770	0.1	4208.97
Na 330.237	142817xb	ppb	327.949	0.2	7844.78
Ni 231.604	519.030b	ppb	3.5555	0.7	1604.79
Pb 220.353	501.713b	ppb	1.9644	0.4	1073.28
Sb 206.834	497.257b	ppb	3.5323	0.7	612.090
Se 196.026	2038.40b	ppb	14.4288	0.7	1139.41
Sn 189.925	1032.65b	ppb	3.8488	0.4	1035.53
Sr 216.596	1718.22b	ppb	2.1348	0.1	22090.7
Ti 334.941	1005.67b	ppb	1.6450	0.2	309074
Tl 190.794	2065.50b	ppb	7.7096	0.4	2277.27
V 292.401	499.359b	ppb	1.0417	0.2	14518.3
Zn 206.200	536.223b	ppb	5.7421	1.1	872.865



640-43377-a-3-b ms (Samp) 5/8/2013, 4:30:54 AM Rack 3, Tube 16

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.6876	50.7313	50.6538
Al 308.215	4932.59	4967.20	4962.23
As 188.980	113.237	106.994	108.434
B 249.678	265.088	265.020	264.235
Ba 389.178	144.472	145.302	144.599
Be 313.042	52.6732	52.5394	52.5611
Ca 370.602	21902	21959	21959
Cd 226.502	52.7430	52.8895	52.9440
Co 228.615	52.8184	53.3909	53.9495
Cr 267.716	104.735	104.764	104.674
Cu 324.754	104.485	105.294	105.003
Fe 271.441	6002.19	6001.11	6013.60
K 766.491	8685.56	8638.75	8599.16
Mg 279.078	12624.2	12621.2	12612.1
Mn 257.610	682.422	682.195	681.686
Mo 202.032	99.7937	100.126	100.179
Na 330.237	133956x	133729x	133583x
Ni 231.604	103.487	104.407	102.103
Pb 220.353	51.5012	54.2825	51.6338
Sb 206.834	52.0210	52.8039	50.5028
Se 196.026	104.538	107.231	93.2972
Sn 189.925	196.045	201.469	198.050
Sr 216.596	1222.04	1223.54	1223.82
Ti 334.941	99.1040	99.0589	98.7637
Tl 190.794	42.3965	39.3792	33.6594
V 292.401	100.611	100.261	100.198
Zn 206.200	111.977	110.570	111.535

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6909b	ppb	0.0389	0.1	4022.67
Al 308.215	4954.01b	ppb	18.7123	0.4	23069.0
As 188.980	109.555b	ppb	3.2691	3.0	45.8403
B 249.678	264.781b	ppb	0.4739	0.2	3720.14
Ba 389.178	144.791b	ppb	0.4472	0.3	3411.94
Be 313.042	52.5912b	ppb	0.0718	0.1	99467.8
Ca 370.602	21940b	ppb	32.73	0.1	70046
Cd 226.502	52.8588b	ppb	0.1040	0.2	2250.47
Co 228.615	53.3863b	ppb	0.5655	1.1	728.038
Cr 267.716	104.724b	ppb	0.0464	0.0	5555.98
Cu 324.754	104.927b	ppb	0.4100	0.4	5217.10
Fe 271.441	6005.63b	ppb	6.9192	0.1	11321.6
K 766.491	8641.16b	ppb	43.2510	0.5	333398
Mg 279.078	12619.2b	ppb	6.2981	0.0	29431.2
Mn 257.610	682.101b	ppb	0.3770	0.1	182561
Mo 202.032	100.033b	ppb	0.2088	0.2	834.087
Na 330.237	133756xb	ppb	187.806	0.1	7360.00
Ni 231.604	103.332b	ppb	1.1598	1.1	314.953
Pb 220.353	52.4725b	ppb	1.5689	3.0	140.781
Sb 206.834	51.7759b	ppb	1.1700	2.3	67.8437
Se 196.026	101.689b	ppb	7.3911	7.3	68.2349
Sn 189.925	198.522b	ppb	2.7427	1.4	189.046
Sr 216.596	1223.14b	ppb	0.9556	0.1	15751.8
Ti 334.941	98.9755b	ppb	0.1849	0.2	30427.4
Tl 190.794	38.4784b	ppb	4.4377	11.5	25.6310
V 292.401	100.357b	ppb	0.2222	0.2	2904.92
Zn 206.200	111.361b	ppb	0.7195	0.6	189.981

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**640-43377-a-3-c msd (Samp) 5/8/2013, 4:36:21 AM Rack 3, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.9939	50.6751	50.7848
Al 308.215	5022.18	4998.23	5029.03
As 188.980	115.561	110.814	110.431
B 249.678	261.161	260.640	260.919
Ba 389.178	146.775	146.671	147.044
Be 313.042	53.3581	52.9879	53.1326
Ca 370.602	22449	22391	22458
Cd 226.502	53.5613	53.1470	53.4117
Co 228.615	54.0530	53.6362	53.6462
Cr 267.716	106.263	105.635	105.618
Cu 324.754	105.782	105.432	106.240
Fe 271.441	6100.45	6077.49	6083.21
K 766.491	8842.98	8778.57	8771.50
Mg 279.078	12898.4	12849.0	12888.6
Mn 257.610	693.888	691.390	691.896
Mo 202.032	100.654	100.506	99.7177
Na 330.237	138175x	137417x	137570x
Ni 231.604	104.482	104.607	105.055
Pb 220.353	51.2327	50.7545	53.2169
Sb 206.834	53.5220	48.2304	48.1557
Se 196.026	104.515	103.206	101.867
Sn 189.925	200.937	198.985	199.147
Sr 216.596	1253.84	1250.60	1254.49
Ti 334.941	100.412	99.9600	99.9744
Tl 190.794	39.2593	36.8824	42.3740
V 292.401	101.774	101.469	101.693
Zn 206.200	112.029	109.671	113.758

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.8180b	ppb	0.1620	0.3	4031.44
Al 308.215	5016.48b	ppb	16.1715	0.3	23358.9
As 188.980	112.269b	ppb	2.8574	2.5	47.1435
B 249.678	260.907b	ppb	0.2606	0.1	3667.63
Ba 389.178	146.830b	ppb	0.1929	0.1	3460.13
Be 313.042	53.1595b	ppb	0.1866	0.4	100547
Ca 370.602	22433b	ppb	36.53	0.2	71623
Cd 226.502	53.3733b	ppb	0.2098	0.4	2272.10
Co 228.615	53.7785b	ppb	0.2378	0.4	733.360
Cr 267.716	105.839b	ppb	0.3675	0.3	5614.98
Cu 324.754	105.818b	ppb	0.4051	0.4	5259.15
Fe 271.441	6087.05b	ppb	11.9521	0.2	11473.6
K 766.491	8797.68b	ppb	39.3893	0.4	339430
Mg 279.078	12878.6b	ppb	26.1230	0.2	30035.6
Mn 257.610	692.391b	ppb	1.3206	0.2	185314
Mo 202.032	100.293b	ppb	0.5033	0.5	836.204
Na 330.237	137721xb	ppb	400.749	0.3	7576.19
Ni 231.604	104.715b	ppb	0.3016	0.3	319.244
Pb 220.353	51.7347b	ppb	1.3057	2.5	139.250
Sb 206.834	49.9694b	ppb	3.0769	6.2	65.6300
Se 196.026	103.196b	ppb	1.3240	1.3	69.0721
Sn 189.925	199.690b	ppb	1.0830	0.5	190.233
Sr 216.596	1252.98b	ppb	2.0838	0.2	16135.7
Ti 334.941	100.115b	ppb	0.2570	0.3	30778.7
Tl 190.794	39.5052b	ppb	2.7540	7.0	26.7506
V 292.401	101.645b	ppb	0.1577	0.2	2942.52
Zn 206.200	111.819b	ppb	2.0517	1.8	181.735

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680-89897-c-1-d (Samp) 5/8/2013, 4:41:47 AM Rack 3, Tube 18

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4146u	-0.4115u	-0.1875u
Al 308.215	1247.85	1244.19	1249.61
As 188.980	6.8431	4.5787	2.6588
B 249.678	58.6417	57.9995	57.5059
Ba 389.178	20.8520	19.1106	20.5127
Be 313.042	-0.0114u	-0.0170u	-0.0086u
Ca 370.602	64736	64731	64828
Cd 226.502	-0.0858	0.1061	0.0676
Co 228.615	0.7111	0.8797	0.3812
Cr 267.716	2.2560	2.4242	2.2371
Cu 324.754	29.2671	29.4579	28.9877
Fe 271.441	1329.58	1318.09	1316.03
K 766.491	2339.74	2322.76	2320.74
Mg 279.078	26413.9	26434.3	26455.0
Mn 257.610	104.511	104.381	104.413
Mo 202.032	56.9067	56.6751	56.4858
Na 330.237	15808.9	15840.4	15848.6
Ni 231.604	59.0297	59.6581	59.7300
Pb 220.353	1.2986	1.7793	0.1721
Sb 206.834	6.8252	1.4546	5.2030
Se 196.026	5.5022	-2.1814u	3.4998
Sn 189.925	1.7822	-1.1987u	1.4884
Sr 216.596	87.1598	88.0042	87.4995
Ti 334.941	-0.0017	0.0849	0.0794
Tl 190.794	-1.6452u	0.6570	-1.5113u
V 292.401	0.2415u	0.5909	0.2107u
Zn 206.200	8.2481	7.0262	8.3450

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3379	ppb	0.1302	38.5	-52.6659
Al 308.215	1247.21	ppb	2.7665	0.2	5865.69
As 188.980	4.6935	ppb	2.0945	44.6	-4.0726
B 249.678	58.0490	ppb	0.5695	1.0	930.443
Ba 389.178	20.1585	ppb	0.9232	4.6	545.348
Be 313.042	-0.0123	ppb	0.0043	34.7	-389.396
Ca 370.602	64765	ppb	54.66	0.1	207992
Cd 226.502	0.0293	ppb	0.1015	346.4	43.6708
Co 228.615	0.6573	ppb	0.2536	38.6	14.1139
Cr 267.716	2.3058	ppb	0.1030	4.5	140.455
Cu 324.754	29.2376	ppb	0.2365	0.8	1644.47
Fe 271.441	1321.23	ppb	7.3001	0.6	2572.73
K 766.491	2327.75	ppb	10.4360	0.4	90081.3
Mg 279.078	26434.4	ppb	20.5434	0.1	61633.2
Mn 257.610	104.435	ppb	0.0678	0.1	28247.1
Mo 202.032	56.6892	ppb	0.2108	0.4	480.234
Na 330.237	15832.6	ppb	20.9267	0.1	931.907
Ni 231.604	59.4726	ppb	0.3852	0.6	178.737
Pb 220.353	1.0833	ppb	0.8249	76.1	33.8542
Sb 206.834	4.4943	ppb	2.7546	61.3	8.2803
Se 196.026	2.2736	ppb	3.9859	175.3	13.0578
Sn 189.925	0.6907	ppb	1.6428	237.9	-11.7428
Sr 216.596	87.5545	ppb	0.4249	0.5	1151.48
Ti 334.941	0.0542	ppb	0.0485	89.5	104.723
Tl 190.794	-0.8332	ppb	1.2922	155.1	-16.8858
V 292.401	0.3477	ppb	0.2112	60.7	-10.3612
Zn 206.200	7.8731	ppb	0.7351	9.3	12.0665

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89889-d-1-a (Samp) 5/8/2013, 4:47:25 AM Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2595u	-0.3381u	-0.3598u
Al 308.215	14.7695	17.4316	18.2269
As 188.980	2.3095	1.4200	8.0931
B 249.678	54.3168	53.7011	53.8224
Ba 389.178	130.076	131.927	130.015
Be 313.042	-0.0171u	-0.0136u	-0.0101u
Ca 370.602	55110	55212	55270
Cd 226.502	-0.1631u	-0.1070u	-0.0153u
Co 228.615	0.1505	0.0099	0.3905
Cr 267.716	-0.2885u	-0.1892u	-0.4264u
Cu 324.754	0.3909	0.7317	-0.2361u
Fe 271.441	49.8864	45.3627	46.5579
K 766.491	1990.02	1978.99	1984.07
Mg 279.078	18649.7	18700.6	18668.0
Mn 257.610	19.7462	19.7375	19.7196
Mo 202.032	0.7216	1.0117	1.2990
Na 330.237	19747.8	19750.4	19612.8
Ni 231.604	2.8212	3.0207	3.1961
Pb 220.353	0.5690	0.5412	1.1360
Sb 206.834	3.3299	3.6149	-0.6086u
Se 196.026	-4.3045u	-6.8872u	5.4573
Sn 189.925	0.5248	-0.9999u	-1.1082u
Sr 216.596	385.931	387.137	386.909
Ti 334.941	-0.1583	-0.2273	-0.1524
Tl 190.794	-0.5521u	1.1447	1.6632
V 292.401	0.4588	0.6670	0.6815
Zn 206.200	3.2918	2.9791	3.5327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3191	ppb	0.0528	16.5	-66.0434
Al 308.215	16.8093	ppb	1.8107	10.8	150.385
As 188.980	3.9409	ppb	3.6233	91.9	-4.4754
B 249.678	53.9468	ppb	0.3262	0.6	876.675
Ba 389.178	130.673	ppb	1.0867	0.8	3090.56
Be 313.042	-0.0136	ppb	0.0035	25.7	-386.705
Ca 370.602	55197	ppb	81.25	0.1	177353
Cd 226.502	-0.0951	ppb	0.0746	78.4	33.6424
Co 228.615	0.1836	ppb	0.1924	104.8	9.9551
Cr 267.716	-0.3013	ppb	0.1191	39.5	2.0481
Cu 324.754	0.2955	ppb	0.4909	166.1	277.126
Fe 271.441	47.2690	ppb	2.3442	5.0	195.964
K 766.491	1984.36	ppb	5.5188	0.3	76847.2
Mg 279.078	18672.7	ppb	25.7937	0.1	43549.0
Mn 257.610	19.7344	ppb	0.0136	0.1	5526.38
Mo 202.032	1.0108	ppb	0.2887	28.6	25.1379
Na 330.237	19703.7	ppb	78.7374	0.4	1143.55
Ni 231.604	3.0127	ppb	0.1876	6.2	3.5071
Pb 220.353	0.7487	ppb	0.3357	44.8	33.2021
Sb 206.834	2.1120	ppb	2.3605	111.8	6.2190
Se 196.026	-1.9114	ppb	6.5109	340.6	10.7113
Sn 189.925	-0.5278	ppb	0.9132	173.0	-12.9825
Sr 216.596	386.659	ppb	0.6405	0.2	5000.11
Ti 334.941	-0.1793	ppb	0.0417	23.2	-6.0534
Tl 190.794	0.7519	ppb	1.1587	154.1	-14.8874
V 292.401	0.6024	ppb	0.1246	20.7	8.9375
Zn 206.200	3.2679	ppb	0.2776	8.5	4.4238

680-89889-d-4-a (Samp) 5/8/2013, 4:52:52 AM Rack 3, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1213u	0.0796u	-0.3637u
Al 308.215	4.4220	4.5316	2.5051
As 188.980	4.1883	-8.8402u	5.8152
B 249.678	79.3401	80.8966	80.9255
Ba 389.178	136.374	137.150	137.121
Be 313.042	-0.0038	-0.0086u	-0.0050
Ca 370.602	52848	53024	53137
Cd 226.502	-0.0715u	0.0517	-0.0530
Co 228.615	0.3502	0.0082	-0.0837u
Cr 267.716	-0.1377u	-0.1961u	-0.3199u
Cu 324.754	1.5156	0.9270	2.0115
Fe 271.441	579.171	579.827	582.645
K 766.491	2036.22	2034.48	2041.06
Mg 279.078	17885.9	17932.0	17977.4
Mn 257.610	379.800	380.908	381.186
Mo 202.032	1.3849	1.5145	0.9979
Na 330.237	20482.9	20552.7	20564.4
Ni 231.604	0.3631	1.2154	1.6473
Pb 220.353	0.7966	0.0059	-2.7543u
Sb 206.834	-1.7283u	-1.9712u	1.6860
Se 196.026	-1.6238u	1.5190	-2.2248u
Sn 189.925	2.0748	1.1284	-0.9427u
Sr 216.596	381.831	382.060	382.760
Ti 334.941	-0.2479	-0.1823	-0.2126
Tl 190.794	-0.3421u	-0.6513u	0.2956u
V 292.401	-0.0155u	0.5652	0.6146
Zn 206.200	4.1791	4.1387	4.9444

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1352	ppb	0.2220	164.2	-49.1536
Al 308.215	3.8196	ppb	1.1397	29.8	90.1518
As 188.980	0.3878	ppb	8.0329	2071.4	-6.1965
B 249.678	80.3874	ppb	0.9071	1.1	1233.56
Ba 389.178	136.882	ppb	0.4399	0.3	3233.63
Be 313.042	-0.0058	ppb	0.0025	42.8	-372.865
Ca 370.602	53003	ppb	145.7	0.3	170269
Cd 226.502	-0.0243	ppb	0.0664	273.6	38.5384
Co 228.615	0.0916	ppb	0.2287	249.7	8.6729
Cr 267.716	-0.2179	ppb	0.0930	42.7	8.3266
Cu 324.754	1.4847	ppb	0.5429	36.6	333.393
Fe 271.441	580.548	ppb	1.8456	0.3	1190.80
K 766.491	2037.25	ppb	3.4114	0.2	78885.6
Mg 279.078	17931.8	ppb	45.7738	0.3	41816.2
Mn 257.610	380.631	ppb	0.7335	0.2	102001
Mo 202.032	1.2991	ppb	0.2688	20.7	27.4657
Na 330.237	20533.3	ppb	44.0531	0.2	1188.59
Ni 231.604	1.0752	ppb	0.6535	60.8	-2.4919
Pb 220.353	-0.6506	ppb	1.8642	286.5	30.3892
Sb 206.834	-0.6712	ppb	2.0450	304.7	2.7942
Se 196.026	-0.7765	ppb	2.0105	258.9	11.4422
Sn 189.925	0.7535	ppb	1.5433	204.8	-11.6831
Sr 216.596	382.217	ppb	0.4840	0.1	4943.06
Ti 334.941	-0.2143	ppb	0.0328	15.3	-20.4580
Tl 190.794	-0.2326	ppb	0.4829	207.6	-16.5985
V 292.401	0.3881	ppb	0.3504	90.3	2.5572
Zn 206.200	4.4207	ppb	0.4540	10.3	6.3626

680-89934-a-1-a (Samp) 5/8/2013, 4:58:18 AM Rack 3, Tube 21  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3516u	-0.1670u	-0.2641u
Al 308.215	622.191	626.378	620.745
As 188.980	-0.2640	-3.5707	-6.8736
B 249.678	10.3428	9.3322	10.2338
Ba 389.178	12.5855	13.6139	13.5385
Be 313.042	-0.1608u	-0.1451u	-0.1522u
Ca 370.602	671610	671578	668805
Cd 226.502	0.0991	0.0471	0.0815
Co 228.615	2.8839	2.9844	2.8348
Cr 267.716	3.2690	3.3617	3.4434
Cu 324.754	9.0235	9.4543	9.1422
Fe 271.441	29.8322	36.5882	32.0561
K 766.491	1903.65	1942.41	1906.58
Mg 279.078	11158.8	11215.1	11164.8
Mn 257.610	106.278	106.741	106.151
Mo 202.032	0.4813	0.7560	0.7851
Na 330.237	34149.1	34048.6	34028.0
Ni 231.604	16.5278	17.1858	17.0093
Pb 220.353	0.9825	-1.6939u	0.6416
Sb 206.834	-0.4857u	-4.1692u	-2.0990u
Se 196.026	32.4347	26.1309	38.2986
Sn 189.925	3.3640	0.2202	-1.7110u
Sr 216.596	753.767	757.465	750.886
Ti 334.941	0.8697	0.9141	0.8683
Tl 190.794	2.6380	-5.0939u	1.0076
V 292.401	0.0578	0.3295	0.1671
Zn 206.200	4.0514	4.4484	3.7611

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2609	ppb	0.0924	35.4	-80.2857
Al 308.215	623.105	ppb	2.9255	0.5	2963.69
As 188.980	-3.5694	ppb	3.3048	92.6	-4.0153
B 249.678	9.9696	ppb	0.5547	5.6	281.915
Ba 389.178	13.2460	ppb	0.5732	4.3	342.644
Be 313.042	-0.1527	ppb	0.0079	5.1	-435.383
Ca 370.602	670664	ppb	1610	0.2	2154845
Cd 226.502	0.0759	ppb	0.0265	34.8	40.4822
Co 228.615	2.9010	ppb	0.0763	2.6	46.7205
Cr 267.716	3.3580	ppb	0.0872	2.6	196.066
Cu 324.754	9.2067	ppb	0.2225	2.4	697.563
Fe 271.441	32.8255	ppb	3.4431	10.5	169.484
K 766.491	1917.54	ppb	21.5830	1.1	74272.1
Mg 279.078	11179.6	ppb	30.9400	0.3	26087.1
Mn 257.610	106.390	ppb	0.3104	0.3	28631.1
Mo 202.032	0.6742	ppb	0.1676	24.9	22.3880
Na 330.237	34075.2	ppb	64.8211	0.2	1927.36
Ni 231.604	16.9076	ppb	0.3406	2.0	46.6237
Pb 220.353	-0.0233	ppb	1.4568	6260.7	31.6322
Sb 206.834	-2.2513	ppb	1.8465	82.0	0.8763
Se 196.026	32.2881	ppb	6.0852	18.8	29.6509
Sn 189.925	0.6244	ppb	2.5615	410.2	-11.4896
Sr 216.596	754.039	ppb	3.2983	0.4	9800.40
Ti 334.941	0.8840	ppb	0.0260	2.9	282.444
Tl 190.794	-0.4828	ppb	4.0757	844.2	-16.3969
V 292.401	0.1848	ppb	0.1367	74.0	-3.7507
Zn 206.200	4.0870	ppb	0.3450	8.4	5.7457

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89934-b-2-a (Samp) 5/8/2013, 5:03:44 AM Rack 3, Tube 22

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-8.0754u	-7.6016u	-7.8256u
Al 308.215	286057	286641	287068
As 188.980	151.312	160.785	156.256
B 249.678	-21.4982u	-22.9904u	-22.9696u
Ba 389.178	-31.2191	-30.9697	-31.8052
Be 313.042	2.2723	2.2868	2.2738
Ca 370.602	214116	215391	214358
Cd 226.502	4.0587	3.8611	3.5771
Co 228.615	572.991	572.840	563.882
Cr 267.716	42.7166	42.9889	42.7855
Cu 324.754	30668.3	31239.5	30879.1
Fe 271.441	569919	569892	570919
K 766.491	390.966	392.595	391.108
Mg 279.078	23619.5	23679.7	23670.7
Mn 257.610	2576.99	2577.22	2577.97
Mo 202.032	4.8063	4.6755	4.0031
Na 330.237	53778.7	54066.0	53836.9
Ni 231.604	277.398	279.801	284.541
Pb 220.353	23.9519	23.2100	24.4843
Sb 206.834	-2.9216	4.3456	0.4478
Se 196.026	69.9584	80.5083	70.4607
Sn 189.925	5.0351	6.9577	2.5831
Sr 216.596	746.101	749.657	749.126
Ti 334.941	1.9954	1.9869	2.0229
Tl 190.794	1.6303u	-9.0032u	-6.0537u
V 292.401	52.9586	52.4999	52.7286
Zn 206.200	211.481	216.819	213.500

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.8342	ppb	0.2370	3.0	-679.536
Al 308.215	286589	ppb	507.866	0.2	1329885
As 188.980	156.118	ppb	4.7381	3.0	64.9584
B 249.678	-22.4861	ppb	0.8556	3.8	-925.452
Ba 389.178	-31.3314	ppb	0.4289	1.4	149.964
Be 313.042	2.2776	ppb	0.0080	0.4	4033.04
Ca 370.602	214622	ppb	677.2	0.3	642864
Cd 226.502	3.8323	ppb	0.2421	6.3	2318.58
Co 228.615	569.904	ppb	5.2157	0.9	7687.03
Cr 267.716	42.8303	ppb	0.1416	0.3	2443.88
Cu 324.754	30929.0	ppb	288.810	0.9	1459682
Fe 271.441	570243	ppb	585.191	0.1	1064014
K 766.491	391.556	ppb	0.9021	0.2	15461.0
Mg 279.078	23656.6	ppb	32.4992	0.1	55137.7
Mn 257.610	2577.39	ppb	0.5130	0.0	691130
Mo 202.032	4.4950	ppb	0.4309	9.6	21.3183
Na 330.237	53893.9	ppb	151.846	0.3	2794.52
Ni 231.604	280.580	ppb	3.6348	1.3	878.901
Pb 220.353	23.8821	ppb	0.6400	2.7	88.2008
Sb 206.834	0.6239	ppb	3.6368	582.9	20.9350
Se 196.026	73.6424	ppb	5.9513	8.1	56.9426
Sn 189.925	4.8586	ppb	2.1926	45.1	-7.4385
Sr 216.596	748.295	ppb	1.9179	0.3	10015.6
Ti 334.941	2.0017	ppb	0.0188	0.9	772.731
Tl 190.794	-4.4755	ppb	5.4896	122.7	-56.9869
V 292.401	52.7291	ppb	0.2293	0.4	1531.17
Zn 206.200	213.933	ppb	2.6955	1.3	411.913

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89977-a-1-a (Samp)**                      **5/8/2013, 5:09:11 AM**                      **Rack 3, Tube 23**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3314u	-0.2983u	-0.3332u
Al 308.215	20.5473	20.8273	32.0912
As 188.980	13.2047	6.0479	9.6287
B 249.678	87.9193	89.0825	89.4168
Ba 389.178	68.2045	68.2239	68.0522
Be 313.042	-0.0229u	-0.0343u	-0.0325u
Ca 370.602	74420	74513	74650
Cd 226.502	-0.1426u	-0.0836u	0.0058
Co 228.615	0.4818	0.1779	0.2649
Cr 267.716	0.1451	-0.0241u	0.2931
Cu 324.754	2.4315	3.0552	3.7438
Fe 271.441	90.7708	97.5848	121.487
K 766.491	6492.97	6518.15	6481.59
Mg 279.078	28605.4	28679.2	28664.7
Mn 257.610	10.7372	10.7924	10.8951
Mo 202.032	4.6771	4.2264	4.4891
Na 330.237	49220.9	49345.7	48722.0
Ni 231.604	1.6253	2.3452	1.9417
Pb 220.353	1.2958	3.1167	1.8635
Sb 206.834	0.1558	3.1970	3.1718
Se 196.026	0.3233	4.3652	-6.5996u
Sn 189.925	2.6711	0.7326	0.4202
Sr 216.596	446.817	448.166	448.287
Ti 334.941	0.0051	0.0197	0.0209
Tl 190.794	1.7099	0.6696	-3.3239u
V 292.401	0.1490	0.7751	0.3302
Zn 206.200	99.7593	101.245	101.317

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3210	ppb	0.0196	6.1	-69.4164
Al 308.215	24.4886	ppb	6.5855	26.9	186.402
As 188.980	9.6271	ppb	3.5784	37.2	-1.6243
B 249.678	88.8062	ppb	0.7861	0.9	1348.07
Ba 389.178	68.1602	ppb	0.0941	0.1	1664.31
Be 313.042	-0.0299	ppb	0.0062	20.6	-415.396
Ca 370.602	74528	ppb	115.7	0.2	239456
Cd 226.502	-0.0735	ppb	0.0747	101.7	34.7079
Co 228.615	0.3082	ppb	0.1565	50.8	11.5100
Cr 267.716	0.1380	ppb	0.1587	115.0	25.8109
Cu 324.754	3.0768	ppb	0.6564	21.3	408.462
Fe 271.441	103.281	ppb	16.1310	15.6	300.480
K 766.491	6497.57	ppb	18.7106	0.3	250785
Mg 279.078	28649.8	ppb	39.1118	0.1	66797.2
Mn 257.610	10.8082	ppb	0.0801	0.7	3234.06
Mo 202.032	4.4642	ppb	0.2264	5.1	53.3666
Na 330.237	49096.2	ppb	329.999	0.7	2745.80
Ni 231.604	1.9707	ppb	0.3609	18.3	0.2753
Pb 220.353	2.0920	ppb	0.9317	44.5	35.9867
Sb 206.834	2.1749	ppb	1.7486	80.4	6.2444
Se 196.026	-0.6370	ppb	5.5451	870.5	11.4142
Sn 189.925	1.2746	ppb	1.2194	95.7	-11.1307
Sr 216.596	447.757	ppb	0.8160	0.2	5788.21
Ti 334.941	0.0152	ppb	0.0088	57.8	100.460
Tl 190.794	-0.3148	ppb	2.6574	844.2	-16.0630
V 292.401	0.4181	ppb	0.3222	77.1	2.6463
Zn 206.200	100.774	ppb	0.8795	0.9	163.391



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

mb 680-275575/1-a (Samp) 5/8/2013, 5:14:37 AM Rack 3, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2457u	-0.2799u	-0.2445u
Al 308.215	127.894	129.636	131.413
As 188.980	0.2338	-3.4937u	5.6181
B 249.678	0.1891	-0.1219u	0.2537
Ba 389.178	-0.2719u	0.1620	-0.2494u
Be 313.042	-0.0093u	0.0023	0.0001
Ca 370.602	233.2	231.8	227.4
Cd 226.502	-0.1172u	-0.0550u	-0.0806u
Co 228.615	0.2014	-0.2164u	-0.0073u
Cr 267.716	0.8935	0.9409	0.9737
Cu 324.754	1.5570	1.7766	1.8003
Fe 271.441	35.5657	34.5971	29.6831
K 766.491	13.8650	13.5222	13.6493
Mg 279.078	788.255	785.748	800.501
Mn 257.610	1.0497	1.0220	1.0601
Mo 202.032	0.4136	0.4661	0.5718
Na 330.237	175.812	95.9528	-8.4435u
Ni 231.604	-0.6088u	-1.3493u	1.4197
Pb 220.353	-0.1932u	1.8846	-0.2964u
Sb 206.834	-0.4695u	0.6008	0.3656
Se 196.026	2.0728	0.5987	-3.7215u
Sn 189.925	9.8097	10.7610	10.7248
Sr 216.596	0.5442	0.3766	-0.0811u
Ti 334.941	0.5116	0.5380	0.4564
Tl 190.794	-2.9119u	-0.1911u	-1.9499u
V 292.401	-0.0421u	0.0774	-0.1801u
Zn 206.200	5.7012	5.1590	4.6629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2567	ppb	0.0201	7.8	-41.7846
Al 308.215	129.647	ppb	1.7598	1.4	673.935
As 188.980	0.7861	ppb	4.5809	582.8	-6.3497
B 249.678	0.1069	ppb	0.2008	187.8	148.516
Ba 389.178	-0.1197	ppb	0.2442	204.0	4.8796
Be 313.042	-0.0023	ppb	0.0062	271.7	-381.341
Ca 370.602	230.8	ppb	3.017	1.3	746.6
Cd 226.502	-0.0843	ppb	0.0313	37.1	33.9178
Co 228.615	-0.0074	ppb	0.2089	2819.1	7.3962
Cr 267.716	0.9360	ppb	0.0403	4.3	66.9466
Cu 324.754	1.7113	ppb	0.1341	7.8	343.917
Fe 271.441	33.2820	ppb	3.1541	9.5	169.834
K 766.491	13.6788	ppb	0.1733	1.3	897.754
Mg 279.078	791.501	ppb	7.8940	1.0	1883.42
Mn 257.610	1.0439	ppb	0.0197	1.9	360.470
Mo 202.032	0.4838	ppb	0.0806	16.6	20.8326
Na 330.237	87.7737	ppb	92.3995	105.3	73.6900
Ni 231.604	-0.1795	ppb	1.4336	798.8	-6.3986
Pb 220.353	0.4650	ppb	1.2305	264.6	32.6100
Sb 206.834	0.1656	ppb	0.5624	339.6	3.8410
Se 196.026	-0.3500	ppb	3.0114	860.4	11.5695
Sn 189.925	10.4318	ppb	0.5391	5.2	-1.8976
Sr 216.596	0.2799	ppb	0.3237	115.6	23.9134
Ti 334.941	0.5020	ppb	0.0417	8.3	116.451
Tl 190.794	-1.6843	ppb	1.3797	81.9	-17.5611
V 292.401	-0.0483	ppb	0.1289	267.1	-10.1812
Zn 206.200	5.1744	ppb	0.5193	10.0	7.5266

Cont Calib Verif (CCV) 5/8/2013, 5:20:04 AM Rack 3, Tube 25  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	466.686	469.486	472.928
Al 308.215	4691.05	4661.84	4704.27
As 188.980	487.409	484.304	467.463
B 249.678	487.118	487.063	486.347
Ba 389.178	4960.30	4916.45	4929.47
Be 313.042	498.961	494.446	497.847
Ca 370.602	4859	4824	4863
Cd 226.502	493.438	489.467	492.005
Co 228.615	503.699	502.190	503.284
Cr 267.716	4990.07	4961.03	4979.60
Cu 324.754	4956.71	4924.08	4857.57
Fe 271.441	4804.55	4782.50	4782.41
K 766.491	9902.51	9861.86	9819.12
Mg 279.078	4817.19	4773.16	4798.51
Mn 257.610	5110.50	5060.80	5074.58
Mo 202.032	478.240	473.071	479.555
Na 330.237	6985.01	6918.05	6773.44
Ni 231.604	2493.29	2475.99	2490.54
Pb 220.353	474.411	470.681	472.563
Sb 206.834	929.270	931.606	937.251
Se 196.026	4725.70	4728.29	4708.79
Sn 189.925	4834.46	4770.62	4857.33
Sr 216.596	2439.80	2421.66	2432.91
Ti 334.941	480.100	475.541	476.928
Tl 190.794	4837.12	4814.85	4813.09
V 292.401	4777.03	4746.79	4750.30
Zn 206.200	2521.23	2498.83	2518.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	469.700	ppb	3.1265	0.7	37905.3	93.94009
Al 308.215	4685.72	ppb	21.7069	0.5	21797.7	93.71438
As 188.980	479.725	ppb	10.7326	2.2	223.020	95.94505
B 249.678	486.843	ppb	0.4297	0.1	6725.03	19.47371Q
Ba 389.178	4935.41	ppb	22.5177	0.5	114705	98.70812
Be 313.042	497.085	ppb	2.3519	0.5	943357	99.41694
Ca 370.602	4849	ppb	21.32	0.4	15467	96.97324
Cd 226.502	491.637	ppb	2.0106	0.4	20438.2	98.32733
Co 228.615	503.057	ppb	0.7796	0.2	6816.52	100.61147
Cr 267.716	4976.90	ppb	14.7116	0.3	262911	99.53804
Cu 324.754	4912.79	ppb	50.5268	1.0	232022	98.25574
Fe 271.441	4789.82	ppb	12.7562	0.3	9177.17	95.79636
K 766.491	9861.17	ppb	41.6997	0.4	380416	98.61166
Mg 279.078	4796.29	ppb	22.1035	0.5	11124.7	95.92574
Mn 257.610	5081.96	ppb	25.6583	0.5	1358719	101.63914
Mo 202.032	476.955	ppb	3.4274	0.7	3905.55	95.39104
Na 330.237	6892.17	ppb	108.133	1.6	419.255	91.89555
Ni 231.604	2486.61	ppb	9.2946	0.4	7710.36	99.46429
Pb 220.353	472.552	ppb	1.8649	0.4	1014.33	94.51034
Sb 206.834	932.709	ppb	4.1030	0.4	1213.35	93.27091
Se 196.026	4720.93	ppb	10.5912	0.2	2624.35	94.41855
Sn 189.925	4820.81	ppb	44.9419	0.9	4879.70	96.41611
Sr 216.596	2431.46	ppb	9.1607	0.4	31225.3	97.25826
Ti 334.941	477.523	ppb	2.3372	0.5	146734	95.50459
Tl 190.794	4821.69	ppb	13.3958	0.3	5333.27	96.43379
V 292.401	4758.04	ppb	16.5377	0.3	139007	95.16079
Zn 206.200	2512.80	ppb	12.1851	0.5	4080.31	100.51199

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/8/2013, 5:25:30 AM Rack 3, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2690	-0.0888u	-0.1718u
Al 308.215	-5.8046u	-2.8059u	-1.5878u
As 188.980	0.3580	-0.6941u	3.8143
B 249.678	5.3533	5.8026	4.4350
Ba 389.178	-0.2417u	0.0587	0.5860
Be 313.042	-0.0017u	0.0131	-0.0057u
Ca 370.602	-3.343u	-0.2112u	-2.701u
Cd 226.502	-0.1292u	-0.1634u	0.1024
Co 228.615	0.0890	-0.2655u	0.1933
Cr 267.716	-0.3825u	-0.3622u	-0.1070u
Cu 324.754	-0.7642u	-0.3133u	0.2292
Fe 271.441	6.3174	9.8087	7.0429
K 766.491	-2.1196u	-1.6096u	-2.2666u
Mg 279.078	-1.6218u	1.6507	-1.8074u
Mn 257.610	-0.0959u	-0.1175u	-0.0823u
Mo 202.032	0.0640	-0.2196u	-0.1781u
Na 330.237	-118.515u	-98.4580u	-66.6006u
Ni 231.604	0.2802	-1.2103u	0.3772
Pb 220.353	-0.5535u	-2.1825u	1.8852
Sb 206.834	5.2034	4.1241	5.4599
Se 196.026	-0.6079u	-0.1303u	-1.6490u
Sn 189.925	1.8022	0.9104	2.1612
Sr 216.596	-0.3670u	-0.2216u	0.6696
Ti 334.941	0.0226	-0.0020u	0.0416
Tl 190.794	3.6040	4.0406	-1.8508u
V 292.401	-0.0069u	0.1053	-0.0935u
Zn 206.200	1.6785	2.4359	2.6598

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0028	ppb	0.2342	8304.7	-20.7620	0.00282
Al 308.215	-3.3994	ppb	2.1702	63.8	56.5170	-3.39943
As 188.980	1.1594	ppb	2.3586	203.4	-6.1720	1.15939
B 249.678	5.1970	ppb	0.6971	13.4	217.394	5.19698
Ba 389.178	0.1343	ppb	0.4190	311.9	8.6690	0.13434
Be 313.042	0.0019	ppb	0.0099	525.7	-373.423	0.00188
Ca 370.602	-2.085	ppb	1.654	79.3	0.3451	-2.08505
Cd 226.502	-0.0634	ppb	0.1446	228.1	34.6730	-0.06340
Co 228.615	0.0056	ppb	0.2405	4280.9	7.5832	0.00562
Cr 267.716	-0.2839	ppb	0.1535	54.1	2.4800	-0.28392
Cu 324.754	-0.2828	ppb	0.4974	175.9	249.811	-0.28279
Fe 271.441	7.7230	ppb	1.8423	23.9	122.153	7.72297
K 766.491	-1.9986	ppb	0.3448	17.3	293.551	-1.99861
Mg 279.078	-0.5928	ppb	1.9452	328.1	37.7883	-0.59283
Mn 257.610	-0.0986	ppb	0.0177	18.0	47.4994	-0.09858
Mo 202.032	-0.1112	ppb	0.1532	137.7	15.9694	-0.11122
Na 330.237	-94.5246	ppb	26.1797	27.7	63.7853	-94.52455
Ni 231.604	-0.1843	ppb	0.8899	482.8	-6.4144	-0.18432
Pb 220.353	-0.2836	ppb	2.0473	721.9	31.0514	-0.28361
Sb 206.834	4.9291	ppb	0.7089	14.4	9.7136	4.92911
Se 196.026	-0.7957	ppb	0.7766	97.6	11.3225	-0.79570
Sn 189.925	1.6246	ppb	0.6440	39.6	-10.8354	1.62458
Sr 216.596	0.0270	ppb	0.5612	2078.1	20.6581	0.02701
Ti 334.941	0.0207	ppb	0.0219	105.5	-35.3691	0.02071
Tl 190.794	1.9313	ppb	3.2826	170.0	-13.5420	1.93127
V 292.401	0.0016	ppb	0.0997	6072.5	-8.5384	0.00164
Zn 206.200	2.2581	ppb	0.5143	228.8	2.7730	2.25805

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

ics 680-275575/2-a (Samp) 5/8/2013, 5:30:57 AM Rack 3, Tube 27

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	49.1698	49.2608	48.9664
Al 308.215	4816.97	4802.98	4854.23
As 188.980	105.887	98.9942	105.249
B 249.678	187.203	187.868	188.443
Ba 389.178	104.428	101.506	103.582
Be 313.042	52.1857	51.9505	52.1954
Ca 370.602	4939	4906	4954
Cd 226.502	51.9626	51.9944	52.3566
Co 228.615	52.3137	52.6487	53.1735
Cr 267.716	105.548	104.723	104.943
Cu 324.754	102.900	101.511	102.429
Fe 271.441	4920.92	4919.02	4939.93
K 766.491	5069.86	5032.92	5033.90
Mg 279.078	5060.88	5039.79	5078.93
Mn 257.610	536.608	535.309	537.310
Mo 202.032	98.6030	98.1890	98.4584
Na 330.237	4617.81	4648.96	4455.65
Ni 231.604	101.789	102.725	103.709
Pb 220.353	48.7510	49.5598	48.9616
Sb 206.834	50.8775	47.5314	50.0040
Se 196.026	94.3198	95.8537	94.4693
Sn 189.925	210.311	205.791	208.617
Sr 216.596	101.061	100.897	101.607
Ti 334.941	99.6113	99.0489	99.1933
Tl 190.794	38.3793	39.1173	40.3267
V 292.401	99.8803	99.3095	99.4321
Zn 206.200	108.929	106.235	107.028

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1324	ppb	0.1508	0.3	3951.01
Al 308.215	4824.73	ppb	26.4919	0.5	22469.0
As 188.980	103.377	ppb	3.8087	3.7	42.7769
B 249.678	187.838	ppb	0.6203	0.3	2680.96
Ba 389.178	103.172	ppb	1.5036	1.5	2423.56
Be 313.042	52.1105	ppb	0.1387	0.3	98564.9
Ca 370.602	4933	ppb	24.76	0.5	15487
Cd 226.502	52.1045	ppb	0.2189	0.4	2215.86
Co 228.615	52.7120	ppb	0.4334	0.8	719.040
Cr 267.716	105.071	ppb	0.4272	0.4	5570.83
Cu 324.754	102.280	ppb	0.7062	0.7	5091.84
Fe 271.441	4926.63	ppb	11.5626	0.2	9308.57
K 766.491	5045.56	ppb	21.0524	0.4	194825
Mg 279.078	5059.87	ppb	19.5893	0.4	11819.3
Mn 257.610	536.409	ppb	1.0154	0.2	143538
Mo 202.032	98.4168	ppb	0.2101	0.2	820.939
Na 330.237	4574.14	ppb	103.788	2.3	314.940
Ni 231.604	102.741	ppb	0.9601	0.9	313.091
Pb 220.353	49.0908	ppb	0.4196	0.9	133.710
Sb 206.834	49.4710	ppb	1.7356	3.5	64.9996
Se 196.026	94.8809	ppb	0.8457	0.9	64.4220
Sn 189.925	208.239	ppb	2.2834	1.1	198.843
Sr 216.596	101.188	ppb	0.3717	0.4	1318.99
Ti 334.941	99.2845	ppb	0.2921	0.3	30495.7
Tl 190.794	39.2744	ppb	0.9832	2.5	26.8145
V 292.401	99.5406	ppb	0.3005	0.3	2882.37
Zn 206.200	107.397	ppb	1.3844	1.3	174.397

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89896-b-4-a (Samp) 5/8/2013, 5:36:24 AM Rack 3, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4497u	-0.8373u	-0.4442u
Al 308.215	85367.5	84801.6	85064.4
As 188.980	180.525	175.108	174.857
B 249.678	22.1549u	21.3147u	22.7203u
Ba 389.178	1674.87	1668.69	1669.21
Be 313.042	9.6073	9.5354	9.5697
Ca 370.602	178255	177500	178042
Cd 226.502	6.7952	6.1210	6.0880
Co 228.615	106.713	107.778	107.545
Cr 267.716	338.505	338.178	338.318
Cu 324.754	322.719	318.146	321.702
Fe 271.441	257319	256162	256832
K 766.491	9849.23	9776.90	9790.49
Mg 279.078	70243.0	69923.8	70204.4
Mn 257.610	10734.2	10708.9	10735.3
Mo 202.032	15.3754	14.8682	16.1220
Na 330.237	690.302u	816.767u	859.019u
Ni 231.604	175.762	173.354	174.360
Pb 220.353	1008.83	1001.82	1011.77
Sb 206.834	14.4337	11.9057	14.1769
Se 196.026	5.3720	-1.4941	3.8958
Sn 189.925	49.6809	52.7217	49.1118
Sr 216.596	444.072	442.651	444.891
Ti 334.941	887.624	883.843	881.762
Tl 190.794	16.3638u	16.8601u	13.2980u
V 292.401	323.558	323.073	323.187
Zn 206.200	2552.99	2544.95	2567.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5771	ppb	0.2254	39.1	-36.4110
Al 308.215	85077.8	ppb	283.188	0.3	394843
As 188.980	176.830	ppb	3.2024	1.8	77.1359
B 249.678	22.0633	ppb	0.7072	3.2	99.7448
Ba 389.178	1670.92	ppb	3.4247	0.2	39376.0
Be 313.042	9.5708	ppb	0.0360	0.4	17843.0
Ca 370.602	177933	ppb	389.3	0.2	551117
Cd 226.502	6.3347	ppb	0.3991	6.3	1255.97
Co 228.615	107.346	ppb	0.5599	0.5	1475.56
Cr 267.716	338.333	ppb	0.1643	0.0	18007.9
Cu 324.754	320.856	ppb	2.4008	0.7	15470.4
Fe 271.441	256771	ppb	580.595	0.2	479145
K 766.491	9805.54	ppb	38.4430	0.4	378273
Mg 279.078	70123.8	ppb	174.217	0.2	163272
Mn 257.610	10726.1	ppb	14.9515	0.1	2869012
Mo 202.032	15.4552	ppb	0.6307	4.1	128.048
Na 330.237	788.696	ppb	87.7916	11.1	-10.9948
Ni 231.604	174.492	ppb	1.2096	0.7	541.940
Pb 220.353	1007.47	ppb	5.1120	0.5	2130.54
Sb 206.834	13.5054	ppb	1.3914	10.3	31.4781
Se 196.026	2.5912	ppb	3.6142	139.5	17.8416
Sn 189.925	50.5048	ppb	1.9408	3.8	38.8524
Sr 216.596	443.871	ppb	1.1339	0.3	5904.65
Ti 334.941	884.410	ppb	2.9719	0.3	272137
Tl 190.794	15.5073	ppb	1.9293	12.4	-30.3064
V 292.401	323.273	ppb	0.2535	0.1	9454.80
Zn 206.200	2555.04	ppb	11.2462	0.4	4192.32

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89896-b-4-aSD^5 (Samp) 5/8/2013, 5:41:50 AM Rack 3, Tube 29****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5171u	-0.0175	-0.3304u
Al 308.215	17319.3	16971.7	16885.6
As 188.980	42.9658	43.2982	43.6939
B 249.678	4.3429u	3.5062u	3.6357u
Ba 389.178	347.266	342.751	339.367
Be 313.042	1.9895	1.9587	1.9328
Ca 370.602	36998	36490	36333
Cd 226.502	1.1785	1.0462	0.7534
Co 228.615	22.5617	22.9710	21.8877
Cr 267.716	70.9599	69.9993	69.0430
Cu 324.754	62.3932	62.5159	63.8453
Fe 271.441	53847.0	52876.9	52549.6
K 766.491	1760.74	1731.85	1718.74
Mg 279.078	14459.7	14277.7	14182.7
Mn 257.610	2285.61	2243.96	2231.60
Mo 202.032	3.3779	2.8812	3.5148
Na 330.237	132.397u	82.7281u	100.436u
Ni 231.604	37.0759	36.8783	36.2420
Pb 220.353	211.873	208.303	204.307
Sb 206.834	4.8762	5.4272	1.9391
Se 196.026	-0.6265	2.4933	-1.0591
Sn 189.925	10.1615	12.2085	12.9301
Sr 216.596	92.8362	92.6379	91.4103
Ti 334.941	184.412	181.649	179.519
Tl 190.794	8.1926	3.4285u	6.2246
V 292.401	68.0965	66.1962	66.3744
Zn 206.200	540.675	540.571	530.761

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2884	ppb	0.2524	87.5	-37.6980
Al 308.215	17058.8	ppb	229.630	1.3	79227.2
As 188.980	43.3193	ppb	0.3645	0.8	13.8495
B 249.678	3.8283	ppb	0.4503	11.8	127.435
Ba 389.178	343.128	ppb	3.9627	1.2	8090.59
Be 313.042	1.9603	ppb	0.0284	1.4	3354.86
Ca 370.602	36607	ppb	347.5	0.9	113372
Cd 226.502	0.9927	ppb	0.2175	21.9	276.006
Co 228.615	22.4735	ppb	0.5470	2.4	314.776
Cr 267.716	70.0007	ppb	0.9584	1.4	3739.82
Cu 324.754	62.9182	ppb	0.8053	1.3	3245.95
Fe 271.441	53091.2	ppb	674.699	1.3	99155.8
K 766.491	1737.11	ppb	21.4866	1.2	67318.1
Mg 279.078	14306.7	ppb	140.786	1.0	33341.0
Mn 257.610	2253.72	ppb	28.2976	1.3	602875
Mo 202.032	3.2580	ppb	0.3334	10.2	40.3761
Na 330.237	105.187	ppb	25.1728	23.9	49.2221
Ni 231.604	36.7321	ppb	0.4357	1.2	109.446
Pb 220.353	208.161	ppb	3.7849	1.8	465.308
Sb 206.834	4.0808	ppb	1.8751	45.9	10.9789
Se 196.026	0.2692	ppb	1.9382	719.9	12.8818
Sn 189.925	11.7667	ppb	1.4362	12.2	-0.5259
Sr 216.596	92.2948	ppb	0.7724	0.8	1243.59
Ti 334.941	181.860	ppb	2.4533	1.3	55925.4
Tl 190.794	5.9486	ppb	2.3940	40.2	-15.7209
V 292.401	66.8890	ppb	1.0494	1.6	1949.46
Zn 206.200	537.336	ppb	5.6942	1.1	880.843

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89896-b-4-aPDS (Samp) 5/8/2013, 5:47:17 AM Rack 3, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.6477	47.2877	46.9495
Al 308.215	85151.5	85355.0	85718.0
As 188.980	2216.52	2234.45	2245.10
B 249.678	971.445	980.873	984.984
Ba 389.178	3565.03	3563.53	3569.22
Be 313.042	57.8594	57.8163	57.8584
Ca 370.602	178656	179249	180379
Cd 226.502	53.5868	54.1145	54.1250
Co 228.615	584.581	590.102	590.353
Cr 267.716	526.371	528.475	527.319
Cu 324.754	568.584	562.153	564.741
Fe 271.441	252147	252264	252823
K 766.491	15122.7	15086.5	15147.0
Mg 279.078	73489.5	73575.0	73721.5
Mn 257.610	10946.3	10970.7	11017.8
Mo 202.032	494.159	494.984	497.076
Na 330.237	5775.83	5797.04	5824.36
Ni 231.604	654.137	648.666	646.272
Pb 220.353	1427.49	1440.55	1443.50
Sb 206.834	482.843	485.029	483.301
Se 196.026	1907.25	1935.00	1929.62
Sn 189.925	992.838	997.415	995.395
Sr 216.596	907.275	912.314	912.214
Ti 334.941	1771.55	1781.14	1775.66
Tl 190.794	1862.34	1873.72	1875.50
V 292.401	786.883	789.545	788.139
Zn 206.200	2956.48	2983.83	2984.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.2950	ppb	0.3491	0.7	3816.92
Al 308.215	85408.2	ppb	286.959	0.3	396421
As 188.980	2232.02	ppb	14.4417	0.6	1061.79
B 249.678	979.100	ppb	6.9412	0.7	13049.2
Ba 389.178	3565.92	ppb	2.9481	0.1	83410.4
Be 313.042	57.8447	ppb	0.0246	0.0	109422
Ca 370.602	179428	ppb	875.2	0.5	556450
Cd 226.502	53.9421	ppb	0.3077	0.6	3213.90
Co 228.615	588.345	ppb	3.2625	0.6	7984.23
Cr 267.716	527.388	ppb	1.0535	0.2	27992.1
Cu 324.754	565.159	ppb	3.2356	0.6	27004.0
Fe 271.441	252411	ppb	361.193	0.1	471097
K 766.491	15118.7	ppb	30.4317	0.2	583041
Mg 279.078	73595.3	ppb	117.333	0.2	171355
Mn 257.610	10978.2	ppb	36.3523	0.3	2936431
Mo 202.032	495.406	ppb	1.5035	0.3	4050.86
Na 330.237	5799.07	ppb	24.3284	0.4	253.205
Ni 231.604	649.691	ppb	4.0315	0.6	2016.40
Pb 220.353	1437.18	ppb	8.5190	0.6	3022.46
Sb 206.834	483.724	ppb	1.1528	0.2	606.655
Se 196.026	1923.96	ppb	14.7162	0.8	1080.60
Sn 189.925	995.216	ppb	2.2936	0.2	997.554
Sr 216.596	910.601	ppb	2.8808	0.3	11874.4
Ti 334.941	1776.12	ppb	4.8112	0.3	546191
Tl 190.794	1870.52	ppb	7.1393	0.4	2029.94
V 292.401	788.189	ppb	1.3319	0.2	22980.0
Zn 206.200	2974.89	ppb	15.9475	0.5	4875.72

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89896-b-4-b ms (Samp)      5/8/2013, 5:52:43 AM      Rack 3, Tube 31****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	56.9217	56.5445	56.2386
Al 308.215	118113	118193	118206
As 188.980	378.643	372.938	371.107
B 249.678	162.247	161.768	162.092
Ba 389.178	2066.77	2069.37	2067.30
Be 313.042	62.9568	62.8969	62.8594
Ca 370.602	134977	135019	135099
Cd 226.502	52.6836	53.3692	53.1160
Co 228.615	245.613	247.451	248.974
Cr 267.716	574.072	574.440	575.347
Cu 324.754	433.173	431.238	434.185
Fe 271.441	442912	443359	444916
K 766.491	14072.5	14078.2	14091.9
Mg 279.078	59994.5	60020.5	60206.6
Mn 257.610	24092.8	24169.5	24114.2
Mo 202.032	127.374	126.904	127.648
Na 330.237	5485.46	5715.05	5521.95
Ni 231.604	285.652	287.804	288.734
Pb 220.353	1238.79	1241.61	1251.81
Sb 206.834	39.4462	41.4131	40.1243
Se 196.026	82.4974	83.8770	83.3141
Sn 189.925	236.652	237.985	239.199
Sr 216.596	427.878	431.068	431.024
Ti 334.941	990.632	991.251	987.806
Tl 190.794	78.6846	73.4605	76.1004
V 292.401	661.232	660.811	660.436
Zn 206.200	3688.91	3680.01	3710.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.5683	ppb	0.3422	0.6	4654.02
Al 308.215	118170	ppb	50.2201	0.0	548404
As 188.980	374.229	ppb	3.9306	1.1	169.923
B 249.678	162.036	ppb	0.2443	0.2	1740.76
Ba 389.178	2067.81	ppb	1.3764	0.1	48837.9
Be 313.042	62.9044	ppb	0.0492	0.1	119076
Ca 370.602	135032	ppb	62.32	0.0	398328
Cd 226.502	53.0562	ppb	0.3467	0.7	3889.10
Co 228.615	247.346	ppb	1.6830	0.7	3359.68
Cr 267.716	574.620	ppb	0.6562	0.1	30599.3
Cu 324.754	432.865	ppb	1.4975	0.3	20807.1
Fe 271.441	443729	ppb	1051.63	0.2	827949
K 766.491	14080.9	ppb	9.9586	0.1	543043
Mg 279.078	60073.8	ppb	115.678	0.2	139643
Mn 257.610	24125.5	ppb	39.5653	0.2	6451634
Mo 202.032	127.309	ppb	0.3763	0.3	1031.16
Na 330.237	5574.15	ppb	123.375	2.2	170.529
Ni 231.604	287.397	ppb	1.5805	0.5	896.885
Pb 220.353	1244.07	ppb	6.8477	0.6	2626.53
Sb 206.834	40.3279	ppb	0.9992	2.5	71.3866
Se 196.026	83.2295	ppb	0.6937	0.8	67.3709
Sn 189.925	237.945	ppb	1.2744	0.5	229.042
Sr 216.596	429.990	ppb	1.8292	0.4	5828.62
Ti 334.941	989.896	ppb	1.8364	0.2	304530
Tl 190.794	76.0818	ppb	2.6121	3.4	4.7218
V 292.401	660.827	ppb	0.3981	0.1	19309.0
Zn 206.200	3693.06	ppb	15.5499	0.4	6067.91



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89896-b-4-c msd (Samp) 5/8/2013, 5:58:10 AM Rack 3, Tube 32****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.7092	48.7440	48.2817
Al 308.215	105311	104594	104986
As 188.980	309.351	297.391	295.999
B 249.678	159.376	158.349	159.381
Ba 389.178	1299.06	1297.28	1296.77
Be 313.042	59.4450	59.2327	59.2684
Ca 370.602	79188	79081	79240
Cd 226.502	50.9601	50.9057	50.8597
Co 228.615	153.756	152.468	150.935
Cr 267.716	556.208	555.250	556.967
Cu 324.754	349.292	348.409	352.261
Fe 271.441	376175	375540	375493
K 766.491	13471.2	13517.3	13499.3
Mg 279.078	29265.4	29226.8	29336.0
Mn 257.610	7764.11	7737.65	7785.33
Mo 202.032	107.919	109.695	109.332
Na 330.237	5488.64	5458.39	5463.13
Ni 231.604	227.623	225.800	230.680
Pb 220.353	867.305	862.464	869.887
Sb 206.834	43.0232	42.3104	36.1371
Se 196.026	85.0426	85.7562	77.3803
Sn 189.925	224.471	228.978	230.992
Sr 216.596	388.133	385.744	390.033
Ti 334.941	976.776	973.942	975.059
Tl 190.794	48.9120	43.6631	53.2053
V 292.401	562.088	561.325	562.662
Zn 206.200	2361.45	2359.41	2368.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.5783	ppb	0.2574	0.5	3929.41
Al 308.215	104963	ppb	359.134	0.3	487122
As 188.980	300.914	ppb	7.3401	2.4	134.973
B 249.678	159.036	ppb	0.5943	0.4	1792.18
Ba 389.178	1297.71	ppb	1.1997	0.1	30767.8
Be 313.042	59.3153	ppb	0.1137	0.2	112253
Ca 370.602	79170	ppb	81.18	0.1	223979
Cd 226.502	50.9085	ppb	0.0503	0.1	3545.52
Co 228.615	152.386	ppb	1.4119	0.9	2079.26
Cr 267.716	556.142	ppb	0.8604	0.2	29528.7
Cu 324.754	349.987	ppb	2.0182	0.6	16878.2
Fe 271.441	375736	ppb	380.889	0.1	701089
K 766.491	13495.9	ppb	23.2799	0.2	520500
Mg 279.078	29276.1	ppb	55.3881	0.2	68160.1
Mn 257.610	7762.36	ppb	23.8890	0.3	2076689
Mo 202.032	108.982	ppb	0.9384	0.9	885.406
Na 330.237	5470.05	ppb	16.2742	0.3	200.903
Ni 231.604	228.034	ppb	2.4658	1.1	711.001
Pb 220.353	866.552	ppb	3.7682	0.4	1836.95
Sb 206.834	40.4903	ppb	3.7867	9.4	69.7049
Se 196.026	82.7264	ppb	4.6435	5.6	62.1232
Sn 189.925	228.147	ppb	3.3392	1.5	219.072
Sr 216.596	387.970	ppb	2.1491	0.6	5241.38
Ti 334.941	975.259	ppb	1.4277	0.1	299870
Tl 190.794	48.5935	ppb	4.7790	9.8	4.6061
V 292.401	562.025	ppb	0.6707	0.1	16418.3
Zn 206.200	2363.09	ppb	4.7266	0.2	3892.07

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680-89896-b-6-a (Samp) 5/8/2013, 6:03:37 AM Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.6964	4.4581	3.4681
Al 308.215	134952	134260	133996
As 188.980	140.900	144.975	145.682
B 249.678	132.978	134.308	135.231
Ba 389.178	1728.10	1723.00	1720.33
Be 313.042	21.9753	21.8807	21.8106
Ca 370.602	308006	306236	305566
Cd 226.502	34.2136	33.8441	34.3353
Co 228.615	49.1341	49.4437	49.5148
Cr 267.716	149.290	148.720	148.603
Cu 324.754	529.965	525.021	523.453
Fe 271.441	256877	256427	256591
K 766.491	20595.3	20687.4	20551.0
Mg 279.078	59659.0	59435.1	59485.8
Mn 257.610	11777.6	11762.3	11756.7
Mo 202.032	12.5422	12.7726	13.9382
Na 330.237	2172.57u	2097.42u	1751.84u
Ni 231.604	87.6920	86.9691	88.0698
Pb 220.353	3622.01	3624.99	3615.07
Sb 206.834	7.3507	9.8691	6.6075
Se 196.026	-2.7118	-1.1743	-2.1397
Sn 189.925	68.9526	76.6465	66.8159
Sr 216.596	593.056	591.761	591.784
Ti 334.941	2666.08	2654.79	2646.35
Tl 190.794	36.3981	32.6040	35.7545
V 292.401	189.540	188.936	188.373
Zn 206.200	9233.23	9215.14	9208.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.8742	ppb	0.5184	13.4	320.783
Al 308.215	134403	ppb	493.330	0.4	623718
As 188.980	143.852	ppb	2.5810	1.8	62.1821
B 249.678	134.172	ppb	1.1330	0.8	1616.19
Ba 389.178	1723.81	ppb	3.9441	0.2	40576.5
Be 313.042	21.8889	ppb	0.0827	0.4	41289.9
Ca 370.602	306603	ppb	1261	0.4	964900
Cd 226.502	34.1310	ppb	0.2558	0.7	2407.81
Co 228.615	49.3642	ppb	0.2024	0.4	745.063
Cr 267.716	148.871	ppb	0.3676	0.2	8009.06
Cu 324.754	526.146	ppb	3.3985	0.6	25157.4
Fe 271.441	256632	ppb	227.494	0.1	478874
K 766.491	20611.2	ppb	69.5567	0.3	794720
Mg 279.078	59526.6	ppb	117.379	0.2	138544
Mn 257.610	11765.5	ppb	10.7899	0.1	3146788
Mo 202.032	13.0843	ppb	0.7484	5.7	108.957
Na 330.237	2007.28	ppb	224.380	11.2	-11.9232
Ni 231.604	87.5770	ppb	0.5593	0.6	272.263
Pb 220.353	3620.69	ppb	5.0903	0.1	7564.21
Sb 206.834	7.9424	ppb	1.7094	21.5	22.4789
Se 196.026	-2.0086	ppb	0.7771	38.7	15.5836
Sn 189.925	70.8050	ppb	5.1705	7.3	59.5194
Sr 216.596	592.200	ppb	0.7412	0.1	7829.94
Ti 334.941	2655.74	ppb	9.8955	0.4	816450
Tl 190.794	34.9189	ppb	2.0304	5.8	-10.5361
V 292.401	188.950	ppb	0.5836	0.3	5560.58
Zn 206.200	9218.98	ppb	12.7675	0.1	15057.0

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89896-b-18-a (Samp) 5/8/2013, 6:09:03 AM Rack 3, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.8030	4.6385	4.5541
Al 308.215	107772	107425	107627
As 188.980	226.352	219.433	217.473
B 249.678	77.2683	76.6625	76.6186
Ba 389.178	2911.83	2906.99	2907.44
Be 313.042	12.5006	12.4881	12.4680
Ca 370.602	303020	304002	302829
Cd 226.502	65.6741	65.9960	66.1088
Co 228.615	103.822	106.562	106.372
Cr 267.716	623.632	624.430	624.192
Cu 324.754	2036.18	2050.88	2083.14
Fe 271.441	445391	446137	444404
K 766.491	16246.1	16325.3	16213.4
Mg 279.078	106415	106610	106543
Mn 257.610	28008.9x	27940.4x	27995.6x
Mo 202.032	44.8970	44.1994	44.4954
Na 330.237	1544.96u	1628.42u	1422.23u
Ni 231.604	277.332	274.911	272.548
Pb 220.353	4209.85	4209.95	4222.61
Sb 206.834	21.7461	25.9803	18.4579
Se 196.026	-5.4803	-2.1434	9.8800
Sn 189.925	183.797	188.257	182.341
Sr 216.596	534.653	536.437	536.057
Ti 334.941	1734.16	1733.39	1729.88
Tl 190.794	42.8568u	41.7931u	44.3429u
V 292.401	443.748	443.441	442.191
Zn 206.200	9123.18	9098.03	9141.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.3319b	ppb	0.4599	10.6	440.515
Al 308.215	107608b	ppb	174.082	0.2	499386
As 188.980	221.086b	ppb	4.6648	2.1	97.6578
B 249.678	76.8498b	ppb	0.3631	0.5	586.568
Ba 389.178	2908.75b	ppb	2.6718	0.1	68498.4
Be 313.042	12.4856b	ppb	0.0164	0.1	23404.3
Ca 370.602	303284b	ppb	629.6	0.2	939039
Cd 226.502	65.9263b	ppb	0.2256	0.3	4429.15
Co 228.615	105.585b	ppb	1.5300	1.4	1469.86
Cr 267.716	624.085b	ppb	0.4097	0.1	33234.7
Cu 324.754	2056.73b	ppb	24.0180	1.2	97423.1
Fe 271.441	445311b	ppb	869.354	0.2	830875
K 766.491	16261.6b	ppb	57.5541	0.4	627087
Mg 279.078	106523b	ppb	98.8580	0.1	247812
Mn 257.610	27981.6xb	ppb	36.3151	0.1	7482955
Mo 202.032	44.5306b	ppb	0.3501	0.8	354.833
Na 330.237	1531.87b	ppb	103.717	6.8	-99.7061
Ni 231.604	274.930b	ppb	2.3918	0.9	858.241
Pb 220.353	4214.14b	ppb	7.3404	0.2	8802.45
Sb 206.834	22.0614b	ppb	3.7711	17.1	50.3943
Se 196.026	0.7521b	ppb	8.0792	1074.2	22.8304
Sn 189.925	184.798b	ppb	3.0821	1.7	175.192
Sr 216.596	535.716b	ppb	0.9399	0.2	7213.83
Ti 334.941	1732.47b	ppb	2.2774	0.1	532967
Tl 190.794	42.9976b	ppb	1.2808	3.0	-38.5576
V 292.401	443.127b	ppb	0.8246	0.2	12956.9
Zn 206.200	9120.88b	ppb	21.7925	0.2	14916.8

680-89896-a-20-a (Samp) 5/8/2013, 6:14:30 AM Rack 3, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	5.9011	5.6908	5.5318
Al 308.215	114818	113995	113753
As 188.980	190.295	193.765	183.035
B 249.678	68.9615	70.1650	70.1633
Ba 389.178	1490.45	1486.94	1485.70
Be 313.042	12.4918	12.4671	12.4115
Ca 370.602	192994	191208	192854
Cd 226.502	48.9989	49.0199	49.7405
Co 228.615	63.6789	63.3218	63.3053
Cr 267.716	235.860	236.127	235.267
Cu 324.754	584.964	587.181	586.848
Fe 271.441	318221	317032	316855
K 766.491	15190.6	15171.8	15090.6
Mg 279.078	67616.2	67562.6	67475.1
Mn 257.610	15394.0	15372.4	15370.6
Mo 202.032	19.8109	20.7999	19.5678
Na 330.237	1491.83u	1470.49u	1368.00u
Ni 231.604	114.425	115.090	117.819
Pb 220.353	5073.85	5079.43	5087.03
Sb 206.834	5.0761	7.2250	9.6148
Se 196.026	6.1814	2.2931	5.5268
Sn 189.925	92.6132	94.5443	89.9961
Sr 216.596	378.600	377.687	379.157
Ti 334.941	3232.17	3226.31	3220.22
Tl 190.794	50.0945	50.0004	50.0248
V 292.401	227.434	226.077	225.815
Zn 206.200	13726.7	13781.2	13766.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.7079	ppb	0.1852	3.2	497.345
Al 308.215	114189	ppb	558.231	0.5	529925
As 188.980	189.031	ppb	5.4752	2.9	82.5920
B 249.678	69.7633	ppb	0.6943	1.0	663.382
Ba 389.178	1487.70	ppb	2.4644	0.2	35197.7
Be 313.042	12.4568	ppb	0.0411	0.3	23331.2
Ca 370.602	192352	ppb	993.1	0.5	593050
Cd 226.502	49.2531	ppb	0.4222	0.9	3260.49
Co 228.615	63.4353	ppb	0.2111	0.3	950.170
Cr 267.716	235.751	ppb	0.4401	0.2	12632.1
Cu 324.754	586.331	ppb	1.1958	0.2	28013.7
Fe 271.441	317369	ppb	742.889	0.2	592186
K 766.491	15151.0	ppb	53.1533	0.4	584284
Mg 279.078	67551.3	ppb	71.2016	0.1	157198
Mn 257.610	15379.0	ppb	13.0283	0.1	4113063
Mo 202.032	20.0595	ppb	0.6526	3.3	162.476
Na 330.237	1443.44	ppb	66.1968	4.6	-105.931
Ni 231.604	115.778	ppb	1.7985	1.6	361.253
Pb 220.353	5080.10	ppb	6.6140	0.1	10598.8
Sb 206.834	7.3053	ppb	2.2704	31.1	24.2493
Se 196.026	4.6671	ppb	2.0818	44.6	20.6728
Sn 189.925	92.3846	ppb	2.2827	2.5	81.3569
Sr 216.596	378.481	ppb	0.7419	0.2	5103.48
Ti 334.941	3226.23	ppb	5.9724	0.2	991818
Tl 190.794	50.0399	ppb	0.0488	0.1	-3.0565
V 292.401	226.442	ppb	0.8691	0.4	6662.04
Zn 206.200	13758.0	ppb	28.1911	0.2	22463.5

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89896-a-21-a (Samp) 5/8/2013, 6:19:56 AM Rack 3, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.3017	0.5922	0.9578
Al 308.215	99249.7	98764.4	98684.1
As 188.980	200.316	215.246	207.223
B 249.678	42.1269	41.7048	43.6415
Ba 389.178	1619.86	1616.85	1616.39
Be 313.042	10.5278	10.4908	10.4647
Ca 370.602	150435	151488	151724
Cd 226.502	7.4037	7.8708	8.0102
Co 228.615	101.793	102.425	102.162
Cr 267.716	337.367	337.257	336.936
Cu 324.754	448.247	445.156	445.841
Fe 271.441	287076	286950	286667
K 766.491	10294.5	10284.0	10203.3
Mg 279.078	51104.9	51124.9	51101.3
Mn 257.610	8584.23	8560.26	8568.49
Mo 202.032	16.0932	16.3929	16.1959
Na 330.237	1166.41u	1062.25u	1100.96u
Ni 231.604	217.408	220.589	219.956
Pb 220.353	3162.48	3157.59	3154.65
Sb 206.834	14.3965	9.6595	13.6319
Se 196.026	1.7278	-7.7260u	-11.4636u
Sn 189.925	105.801	97.9353	102.916
Sr 216.596	472.895	472.432	474.617
Ti 334.941	1104.00	1102.59	1101.04
Tl 190.794	13.6934u	11.7214u	11.6814u
V 292.401	329.337	329.670	328.110
Zn 206.200	3841.20	3848.75	3866.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9505	ppb	0.3548	37.3	75.4367
Al 308.215	98899.4	ppb	306.008	0.3	458977
As 188.980	207.595	ppb	7.4718	3.6	91.4587
B 249.678	42.4911	ppb	1.0184	2.4	335.210
Ba 389.178	1617.70	ppb	1.8865	0.1	38132.6
Be 313.042	10.4944	ppb	0.0317	0.3	19588.8
Ca 370.602	151216	ppb	686.2	0.5	462770
Cd 226.502	7.7616	ppb	0.3177	4.1	1427.63
Co 228.615	102.127	ppb	0.3172	0.3	1410.36
Cr 267.716	337.187	ppb	0.2236	0.1	17945.5
Cu 324.754	446.415	ppb	1.6235	0.4	21402.8
Fe 271.441	286898	ppb	209.429	0.1	535347
K 766.491	10260.6	ppb	49.8834	0.5	395811
Mg 279.078	51110.3	ppb	12.7302	0.0	119007
Mn 257.610	8570.99	ppb	12.1770	0.1	2292790
Mo 202.032	16.2274	ppb	0.1523	0.9	132.637
Na 330.237	1109.87	ppb	52.6477	4.7	-16.8449
Ni 231.604	219.318	ppb	1.6838	0.8	681.785
Pb 220.353	3158.24	ppb	3.9564	0.1	6602.05
Sb 206.834	12.5626	ppb	2.5431	20.2	31.1572
Se 196.026	-5.8206	ppb	6.7990	116.8	12.7921
Sn 189.925	102.218	ppb	3.9793	3.9	91.3160
Sr 216.596	473.315	ppb	1.1512	0.2	6297.73
Ti 334.941	1102.54	ppb	1.4803	0.1	339083
Tl 190.794	12.3654	ppb	1.1502	9.3	-32.0171
V 292.401	329.039	ppb	0.8216	0.2	9627.02
Zn 206.200	3852.06	ppb	12.8493	0.3	6310.25

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV)                      5/8/2013, 6:25:23 AM                      Rack 3, Tube 37  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	475.762	474.765	464.902
Al 308.215	4733.14	4679.01	4694.49
As 188.980	481.840	478.626	478.468
B 249.678	488.802	490.629	489.806
Ba 389.178	4990.79	4952.85	4956.86
Be 313.042	502.341	494.951	497.310
Ca 370.602	4890	4849	4864
Cd 226.502	495.754	491.002	493.780
Co 228.615	507.970	503.940	506.336
Cr 267.716	5034.57	4999.58	5006.69
Cu 324.754	4929.09	4942.60	4837.57
Fe 271.441	4832.18	4808.23	4817.96
K 766.491	9990.00	9907.44	9861.95
Mg 279.078	4836.95	4789.46	4823.75
Mn 257.610	5128.43	5097.00	5094.52
Mo 202.032	479.090	475.978	477.617
Na 330.237	6911.45	6737.76	6937.45
Ni 231.604	2495.67	2486.05	2497.00
Pb 220.353	476.722	472.139	476.771
Sb 206.834	935.207	926.188	941.837
Se 196.026	4733.16	4700.86	4727.81
Sn 189.925	4861.80	4812.04	4826.41
Sr 216.596	2447.70	2429.87	2442.43
Ti 334.941	484.181	480.393	480.281
Tl 190.794	4846.04	4820.16	4833.16
V 292.401	4815.08	4778.38	4781.42
Zn 206.200	2533.96	2511.65	2514.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.810	ppb	6.0028	1.3	38075.7	94.36194
Al 308.215	4702.21	ppb	27.8781	0.6	21874.1	94.04426
As 188.980	479.645	ppb	1.9027	0.4	222.980	95.92895
B 249.678	489.746	ppb	0.9147	0.2	6764.24	19.58983Q
Ba 389.178	4966.84	ppb	20.8445	0.4	115436	99.33672
Be 313.042	498.201	ppb	3.7746	0.8	945475	99.64021
Ca 370.602	4868	ppb	20.96	0.4	15527	97.35023
Cd 226.502	493.512	ppb	2.3874	0.5	20516.1	98.70232
Co 228.615	506.082	ppb	2.0269	0.4	6857.53	101.21645
Cr 267.716	5013.61	ppb	18.4950	0.4	264850	100.27228
Cu 324.754	4903.09	ppb	57.1426	1.2	231565	98.06177
Fe 271.441	4819.46	ppb	12.0462	0.2	9233.35	96.38920
K 766.491	9919.80	ppb	64.9162	0.7	382676	99.19798
Mg 279.078	4816.72	ppb	24.5166	0.5	11171.8	96.33441
Mn 257.610	5106.65	ppb	18.9002	0.4	1365320	102.13299
Mo 202.032	477.562	ppb	1.5566	0.3	3910.43	95.51233
Na 330.237	6862.22	ppb	108.566	1.6	417.528	91.49627
Ni 231.604	2492.91	ppb	5.9755	0.2	7729.91	99.71640
Pb 220.353	475.211	ppb	2.6600	0.6	1019.85	95.04210
Sb 206.834	934.411	ppb	7.8548	0.8	1215.85	93.44109
Se 196.026	4720.61	ppb	17.3086	0.4	2624.19	94.41222
Sn 189.925	4833.42	ppb	25.6094	0.5	4892.50	96.66831
Sr 216.596	2440.00	ppb	9.1610	0.4	31334.8	97.59999
Ti 334.941	481.618	ppb	2.2201	0.5	147992	96.32365
Tl 190.794	4833.12	ppb	12.9422	0.3	5345.94	96.66243
V 292.401	4791.63	ppb	20.3676	0.4	139988	95.83260
Zn 206.200	2520.14	ppb	12.0677	0.5	4092.17	100.80569

Cont Calib Blank (CCB) 5/8/2013, 6:30:50 AM Rack 3, Tube 38  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1164u	-0.3631u	-0.3187u
Al 308.215	-0.3259u	-1.7405u	-1.2126u
As 188.980	7.0282	-2.5177u	-3.8369u
B 249.678	7.1854	6.2874	6.2447
Ba 389.178	0.0844	-0.7563u	-0.7321u
Be 313.042	-0.0062u	-0.0015u	-0.0020u
Ca 370.602	1.294	4.155	-2.957u
Cd 226.502	-0.1441u	-0.1312u	-0.1809u
Co 228.615	0.0964	0.8518	0.0113
Cr 267.716	-0.0902u	-0.1884u	-0.1855u
Cu 324.754	0.2540	-0.0630u	-0.4602u
Fe 271.441	2.0166	0.5036	3.4554
K 766.491	-2.6301u	-2.2973u	-2.4652u
Mg 279.078	-3.0257u	-0.8300u	-1.3992u
Mn 257.610	-0.1340u	-0.1400u	-0.0975u
Mo 202.032	0.3047	-0.3980u	0.2565
Na 330.237	-197.316u	-172.945u	-11.7558u
Ni 231.604	0.5793	-0.2047u	1.2882
Pb 220.353	1.0750	-0.0165u	-1.4901u
Sb 206.834	6.3941	-0.5710u	3.0727
Se 196.026	0.7499	3.8700	-2.9643u
Sn 189.925	0.8125	2.6660	-1.6443u
Sr 216.596	0.4350	0.0465	-0.0195u
Ti 334.941	0.1228	0.0582	0.0634
Tl 190.794	-0.3521u	5.0237	2.2810
V 292.401	0.0974	-0.0638u	-0.1726u
Zn 206.200	5.2389	6.1344	6.2027

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2661	ppb	0.1315	49.4	-42.5181	-0.26607
Al 308.215	-1.0930	ppb	0.7148	65.4	67.2314	-1.09302
As 188.980	0.2245	ppb	5.9289	2640.6	-6.6199	0.22453
B 249.678	6.5725	ppb	0.5312	8.1	236.003	6.57247
Ba 389.178	-0.4680	ppb	0.4786	102.3	-5.3346	-0.46801
Be 313.042	-0.0032	ppb	0.0026	80.1	-383.136	-0.00323
Ca 370.602	0.8305	ppb	3.579	430.9	10.10	0.83054
Cd 226.502	-0.1521	ppb	0.0258	16.9	30.9806	-0.15206
Co 228.615	0.3198	ppb	0.4626	144.7	11.8282	0.31981
Cr 267.716	-0.1547	ppb	0.0559	36.1	9.3045	-0.15471
Cu 324.754	-0.0897	ppb	0.3578	398.8	258.921	-0.08973
Fe 271.441	1.9919	ppb	1.4761	74.1	111.513	1.99189
K 766.491	-2.4642	ppb	0.1664	6.8	275.607	-2.46422
Mg 279.078	-1.7516	ppb	1.1395	65.1	35.0872	-1.75161
Mn 257.610	-0.1238	ppb	0.0230	18.6	40.7244	-0.12383
Mo 202.032	0.0544	ppb	0.3925	721.2	17.3239	0.05442
Na 330.237	-127.339	ppb	100.837	79.2	61.9669	-127.33907
Ni 231.604	0.5542	ppb	0.7467	134.7	-4.1227	0.55425
Pb 220.353	-0.1438	ppb	1.2873	894.9	31.3417	-0.14385
Sb 206.834	2.9653	ppb	3.4838	117.5	7.2884	2.96526
Se 196.026	0.5519	ppb	3.4215	620.0	12.0678	0.55188
Sn 189.925	0.6114	ppb	2.1621	353.6	-11.8636	0.61138
Sr 216.596	0.1540	ppb	0.2456	159.5	22.2612	0.15398
Ti 334.941	0.0815	ppb	0.0358	44.0	-16.6910	0.08148
Tl 190.794	2.3175	ppb	2.6881	116.0	-13.1126	2.31753
V 292.401	-0.0463	ppb	0.1358	293.5	-9.9726	-0.04629
Zn 206.200	5.8586	ppb	0.5378	9.2	8.6421	5.85864

680-89896-a-22-a (Samp) 5/8/2013, 6:36:17 AM Rack 3, Tube 39

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.8174	4.2318	4.2008
Al 308.215	109121	108809	108703
As 188.980	238.268	236.682	238.456
B 249.678	78.9053	78.1134	77.7447
Ba 389.178	3149.09	3145.91	3139.56
Be 313.042	12.8915	12.8670	12.8272
Ca 370.602	322700	322396	322072
Cd 226.502	32.3309	32.8033	32.6754
Co 228.615	154.037	155.691	153.085
Cr 267.716	663.112	663.527	662.144
Cu 324.754	2014.09	1993.59	2004.99
Fe 271.441	461462	461151	462742
K 766.491	14838.8	15059.5	15060.1
Mg 279.078	121300	121262	121043
Mn 257.610	30234.3x	30122.4x	30207.7x
Mo 202.032	49.9017	49.9330	49.8931
Na 330.237	1203.80u	1263.43u	1357.77u
Ni 231.604	270.577	270.080	270.684
Pb 220.353	3955.23	3958.97	3988.68
Sb 206.834	23.2756	25.1331	16.8636
Se 196.026	8.0198	3.6322	-0.2211
Sn 189.925	150.005	151.001	149.352
Sr 216.596	561.756	560.197	561.097
Ti 334.941	1893.59	1892.44	1889.86
Tl 190.794	52.2026u	54.2688u	49.9996u
V 292.401	490.536	491.588	490.762
Zn 206.200	8927.21	8924.48	8936.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.0834b	ppb	0.2308	5.7	430.106
Al 308.215	108878b	ppb	217.137	0.2	505279
As 188.980	237.802b	ppb	0.9746	0.4	105.657
B 249.678	78.2545b	ppb	0.5930	0.8	582.374
Ba 389.178	3144.85b	ppb	4.8517	0.2	74047.1
Be 313.042	12.8619b	ppb	0.0324	0.3	24121.8
Ca 370.602	322389b	ppb	314.1	0.1	999106
Cd 226.502	32.6032b	ppb	0.2444	0.7	3111.85
Co 228.615	154.271b	ppb	1.3184	0.9	2131.99
Cr 267.716	662.927b	ppb	0.7096	0.1	35302.0
Cu 324.754	2004.22b	ppb	10.2718	0.5	94950.3
Fe 271.441	461785b	ppb	843.361	0.2	861616
K 766.491	14986.1b	ppb	127.614	0.9	577930
Mg 279.078	121202b	ppb	138.806	0.1	281979
Mn 257.610	30188.1xb	ppb	58.4923	0.2	8073022
Mo 202.032	49.9092b	ppb	0.0210	0.0	397.729
Na 330.237	1275.00b	ppb	77.6355	6.1	-119.974
Ni 231.604	270.447b	ppb	0.3227	0.1	844.751
Pb 220.353	3967.62b	ppb	18.3288	0.5	8290.39
Sb 206.834	21.7574b	ppb	4.3388	19.9	50.8759
Se 196.026	3.8103b	ppb	4.1234	108.2	25.2529
Sn 189.925	150.120b	ppb	0.8303	0.6	140.009
Sr 216.596	561.017b	ppb	0.7827	0.1	7552.01
Ti 334.941	1891.96b	ppb	1.9113	0.1	582055
Tl 190.794	52.1570b	ppb	2.1350	4.1	-32.9533
V 292.401	490.962b	ppb	0.5541	0.1	14357.9
Zn 206.200	8929.44b	ppb	6.3759	0.1	14606.5



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89960-a-1-a (Samp) 5/8/2013, 6:41:44 AM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.5193	8.6693	8.1730
Al 308.215	15390.5	15292.8	15335.9
As 188.980	12.8518	5.8013	3.4412
B 249.678	46.3715	44.9055	45.3849
Ba 389.178	663.944	662.589	664.639
Be 313.042	0.4299	0.4373	0.4330
Ca 370.602	13612	13556	13621
Cd 226.502	117.235	117.275	118.032
Co 228.615	6.2540	6.5782	6.9425
Cr 267.716	224.653	224.287	225.087
Cu 324.754	207.869	206.242	208.155
Fe 271.441	20871.0	20835.1	20887.3
K 766.491	4048.63	4039.47	4047.82
Mg 279.078	3037.13	3025.07	3042.40
Mn 257.610	9367.69	9337.46	9382.03
Mo 202.032	38.0092	38.5318	38.9447
Na 330.237	2614.84	2702.42	2692.58
Ni 231.604	41.4029	41.0486	41.5604
Pb 220.353	24.8103	25.7006	25.2931
Sb 206.834	-3.3605u	0.4264	4.2048
Se 196.026	-1.7073	6.4036	4.2481
Sn 189.925	29.0721	26.3316	28.6167
Sr 216.596	114.695	114.744	115.380
Ti 334.941	238.269	237.159	237.392
Tl 190.794	14.8056	20.5917	18.7315
V 292.401	27.8791	27.9963	28.2197
Zn 206.200	388.005	383.664	389.977

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.4539	ppb	0.2546	3.0	703.430
Al 308.215	15339.7	ppb	48.9468	0.3	71254.7
As 188.980	7.3648	ppb	4.8962	66.5	-3.2819
B 249.678	45.5539	ppb	0.7475	1.6	735.090
Ba 389.178	663.724	ppb	1.0428	0.2	15463.9
Be 313.042	0.4334	ppb	0.0037	0.8	441.378
Ca 370.602	13596	ppb	35.13	0.3	42288
Cd 226.502	117.514	ppb	0.4489	0.4	4987.07
Co 228.615	6.5915	ppb	0.3444	5.2	102.273
Cr 267.716	224.676	ppb	0.4002	0.2	11935.9
Cu 324.754	207.422	ppb	1.0321	0.5	10056.1
Fe 271.441	20864.5	ppb	26.7223	0.1	39033.1
K 766.491	4045.31	ppb	5.0725	0.1	156275
Mg 279.078	3034.87	ppb	8.8866	0.3	6944.14
Mn 257.610	9362.39	ppb	22.7525	0.2	2503063
Mo 202.032	38.4952	ppb	0.4688	1.2	330.337
Na 330.237	2669.94	ppb	47.9776	1.8	201.786
Ni 231.604	41.3373	ppb	0.2621	0.6	122.948
Pb 220.353	25.2680	ppb	0.4457	1.8	86.8278
Sb 206.834	0.4236	ppb	3.7827	893.1	6.8212
Se 196.026	2.9815	ppb	4.2012	140.9	16.1390
Sn 189.925	28.0068	ppb	1.4685	5.2	15.9450
Sr 216.596	114.939	ppb	0.3819	0.3	1510.59
Ti 334.941	237.606	ppb	0.5854	0.2	72997.0
Tl 190.794	18.0429	ppb	2.9539	16.4	-12.0895
V 292.401	28.0317	ppb	0.1730	0.6	793.786
Zn 206.200	387.215	ppb	3.2296	0.8	631.990

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89985-b-3-a (Samp) 5/8/2013, 6:47:11 AM Rack 3, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	2.5455	2.5797	2.5998
Al 308.215	127425	127241	127906
As 188.980	231.596	239.970	232.141
B 249.678	90.7397	91.5711	91.3905
Ba 389.178	3254.09	3254.94	3256.58
Be 313.042	16.4015	16.3960	16.4181
Ca 370.602	175808	175858	175998
Cd 226.502	55.0860	55.4585	55.5767
Co 228.615	114.656	114.850	115.451
Cr 267.716	534.850	536.788	536.942
Cu 324.754	1208.78	1207.91	1215.13
Fe 271.441	461017	464957	462961
K 766.491	14446.8	14570.0	14559.1
Mg 279.078	27541.5	27596.6	27646.7
Mn 257.610	12345.9	12401.4	12401.8
Mo 202.032	23.7221	24.5889	23.9932
Na 330.237	2247.91u	2074.31u	2167.60u
Ni 231.604	201.124	200.967	202.355
Pb 220.353	3638.98	3649.27	3651.52
Sb 206.834	22.0949	19.3419	22.3078
Se 196.026	-1.7850	-7.7985	-4.9359
Sn 189.925	142.535	143.129	146.702
Sr 216.596	763.634	766.946	769.963
Ti 334.941	2716.35	2720.57	2713.88
Tl 190.794	19.9916u	15.0209u	17.6762u
V 292.401	726.772	728.754	727.664
Zn 206.200	10843.5	10836.1	10866.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.5750	ppb	0.0274	1.1	213.866
Al 308.215	127524	ppb	343.510	0.3	591795
As 188.980	234.569	ppb	4.6853	2.0	103.139
B 249.678	91.2338	ppb	0.4373	0.5	756.241
Ba 389.178	3255.21	ppb	1.2673	0.0	76368.4
Be 313.042	16.4052	ppb	0.0115	0.1	30804.9
Ca 370.602	175888	ppb	98.34	0.1	527949
Cd 226.502	55.3737	ppb	0.2561	0.5	4059.21
Co 228.615	114.986	ppb	0.4146	0.4	1626.56
Cr 267.716	536.194	ppb	1.1660	0.2	28521.6
Cu 324.754	1210.61	ppb	3.9425	0.3	57504.1
Fe 271.441	462978	ppb	1969.68	0.4	863838
K 766.491	14525.3	ppb	68.2343	0.5	560170
Mg 279.078	27594.9	ppb	52.6193	0.2	64170.9
Mn 257.610	12383.0	ppb	32.1847	0.3	3312223
Mo 202.032	24.1014	ppb	0.4434	1.8	186.174
Na 330.237	2163.27	ppb	86.8784	4.0	-94.0599
Ni 231.604	201.482	ppb	0.7601	0.4	630.791
Pb 220.353	3646.59	ppb	6.6862	0.2	7617.99
Sb 206.834	21.2482	ppb	1.6543	7.8	49.2022
Se 196.026	-4.8398	ppb	3.0079	62.1	15.5526
Sn 189.925	144.122	ppb	2.2541	1.6	133.848
Sr 216.596	766.847	ppb	3.1655	0.4	10184.7
Ti 334.941	2716.93	ppb	3.3834	0.1	835123
Tl 190.794	17.5629	ppb	2.4873	14.2	-42.3314
V 292.401	727.730	ppb	0.9928	0.1	21322.8
Zn 206.200	10848.7	ppb	15.8632	0.1	17735.9

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**680-89985-b-3-b ms (Samp) 5/8/2013, 6:52:39 AM Rack 3, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.0684	50.2503	51.4992
Al 308.215	174435	174977	175304
As 188.980	365.056	371.751	371.203
B 249.678	267.623	272.830	271.567
Ba 389.178	5635.86	5637.52	5651.17
Be 313.042	66.4292	66.5904	66.5158
Ca 370.602	202439	203080	204429
Cd 226.502	105.513	106.114	106.240
Co 228.615	176.906	174.654	180.370
Cr 267.716	676.304	678.619	680.221
Cu 324.754	2047.92	2020.33	2017.61
Fe 271.441	533601	537218	535601
K 766.491	22087.1	22216.7	22227.7
Mg 279.078	36896.8	36978.7	37085.1
Mn 257.610	21288.7	21332.0	21274.1
Mo 202.032	109.488	109.181	109.887
Na 330.237	7023.06	7223.65	7058.02
Ni 231.604	322.669	322.924	325.458
Pb 220.353	4245.68	4273.14	4277.33
Sb 206.834	34.8030	42.2241	33.4592
Se 196.026	87.4188	82.0503	85.8825
Sn 189.925	368.577	365.325	371.425
Sr 216.596	1143.89	1148.01	1151.92
Ti 334.941	2827.44	2836.58	2841.01
Tl 190.794	69.9793	66.4710	61.2209
V 292.401	836.001	840.757	840.709
Zn 206.200	12157.5	12222.4	12270.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9393	ppb	0.6344	1.2	4151.56
Al 308.215	174905	ppb	439.098	0.3	811659
As 188.980	369.337	ppb	3.7170	1.0	167.293
B 249.678	270.673	ppb	2.7161	1.0	3085.33
Ba 389.178	5641.52	ppb	8.4013	0.1	131939
Be 313.042	66.5118	ppb	0.0807	0.1	125950
Ca 370.602	203316	ppb	1016	0.5	610395
Cd 226.502	105.956	ppb	0.3886	0.4	6426.54
Co 228.615	177.310	ppb	2.8796	1.6	2466.54
Cr 267.716	678.381	ppb	1.9696	0.3	36093.7
Cu 324.754	2028.62	ppb	16.7676	0.8	96120.1
Fe 271.441	535473	ppb	1811.77	0.3	999092
K 766.491	22177.2	ppb	78.1970	0.4	855071
Mg 279.078	36986.8	ppb	94.4098	0.3	85896.1
Mn 257.610	21298.3	ppb	30.0909	0.1	5695893
Mo 202.032	109.519	ppb	0.3536	0.3	880.118
Na 330.237	7101.58	ppb	107.156	1.5	136.509
Ni 231.604	323.684	ppb	1.5420	0.5	1011.79
Pb 220.353	4265.38	ppb	17.1911	0.4	8907.83
Sb 206.834	36.8288	ppb	4.7206	12.8	71.3035
Se 196.026	85.1172	ppb	2.7649	3.2	68.2588
Sn 189.925	368.443	ppb	3.0523	0.8	361.503
Sr 216.596	1147.94	ppb	4.0186	0.4	15127.9
Ti 334.941	2835.01	ppb	6.9178	0.2	871467
Tl 190.794	65.8904	ppb	4.4080	6.7	-7.3140
V 292.401	839.156	ppb	2.7324	0.3	24562.5
Zn 206.200	12216.8	ppb	56.7167	0.5	19974.1

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**680-89985-b-3-c msd (Samp) 5/8/2013, 6:58:06 AM Rack 3, Tube 43****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.6204	48.2382	48.4764
Al 308.215	153929	154003	154552
As 188.980	351.016	351.937	348.543
B 249.678	248.724	251.579	251.801
Ba 389.178	10900.1x	10899.9x	10910.4x
Be 313.042	70.2474	70.1582	70.1293
Ca 370.602	189034	189872	189474
Cd 226.502	97.2794	96.8883	97.7842
Co 228.615	399.320	403.749	401.127
Cr 267.716	563.984	564.656	564.325
Cu 324.754	1154.72	1156.99	1159.13
Fe 271.441	450109	451960	453802
K 766.491	20919.3	20995.0	21025.8
Mg 279.078	33558.5	33545.3	33671.4
Mn 257.610	66732.9x	66542.3x	66909.1x
Mo 202.032	113.325	114.333	113.258
Na 330.237	6716.93	7003.23	7105.64
Ni 231.604	309.113	308.193	308.361
Pb 220.353	10861.8	10835.7	10887.7
Sb 206.834	73.3809	80.1744	74.7862
Se 196.026	87.8621	89.7055	81.0856
Sn 189.925	328.304	322.055	328.267
Sr 216.596	914.963	914.517	919.013
Ti 334.941	2845.98	2850.20	2841.00
Tl 190.794	159.190	153.616	155.987
V 292.401	813.805	816.635	815.393
Zn 206.200	10615.0	10598.6	10647.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.1117b	ppb	0.4418	0.9	4158.99
Al 308.215	154161b	ppb	340.522	0.2	715402
As 188.980	350.499b	ppb	1.7551	0.5	158.843
B 249.678	250.702b	ppb	1.7160	0.7	2927.66
Ba 389.178	10903.4xb	ppb	6.0340	0.1	254064
Be 313.042	70.1783b	ppb	0.0616	0.1	132891
Ca 370.602	189460b	ppb	419.4	0.2	574014
Cd 226.502	97.3173b	ppb	0.4492	0.5	5757.90
Co 228.615	401.399b	ppb	2.2265	0.6	5498.16
Cr 267.716	564.322b	ppb	0.3360	0.1	30263.1
Cu 324.754	1156.95b	ppb	2.2096	0.2	54970.6
Fe 271.441	451957b	ppb	1846.67	0.4	843326
K 766.491	20980.0b	ppb	54.7703	0.3	808933
Mg 279.078	33591.8b	ppb	69.3283	0.2	77168.6
Mn 257.610	66728.1xb	ppb	183.445	0.3	17840578
Mo 202.032	113.639b	ppb	0.6023	0.5	918.564
Na 330.237	6941.93b	ppb	201.477	2.9	171.349
Ni 231.604	308.556b	ppb	0.4897	0.2	962.790
Pb 220.353	10861.7b	ppb	26.0054	0.2	22634.8
Sb 206.834	76.1138b	ppb	3.5860	4.7	116.077
Se 196.026	86.2177b	ppb	4.5391	5.3	80.9131
Sn 189.925	326.209b	ppb	3.5972	1.1	318.640
Sr 216.596	916.164b	ppb	2.4767	0.3	12094.1
Ti 334.941	2845.72b	ppb	4.6062	0.2	874730
Tl 190.794	156.264b	ppb	2.7977	1.8	23.7878
V 292.401	815.278b	ppb	1.4185	0.2	23869.2
Zn 206.200	10620.4b	ppb	24.8443	0.2	17362.4

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.5066u	-4.0692u	-3.2645u
Al 308.215	126245	126295	126687
As 188.980	301.738	290.780	298.914
B 249.678	12.6981u	13.9402u	10.5091u
Ba 389.178	1943.32	1947.51	1943.67
Be 313.042	14.0809	14.1794	14.1767
Ca 370.602	187266	186454	186454
Cd 226.502	24.3362	24.7271	24.4227
Co 228.615	148.935	154.117	150.175
Cr 267.716	1079.48	1082.51	1081.43
Cu 324.754	1818.31	1803.77	1778.90
Fe 271.441	487096	487550	488841
K 766.491	10247.4	10289.3	10262.6
Mg 279.078	85207.1	85408.2	85389.7
Mn 257.610	13330.9	13373.5	13373.3
Mo 202.032	19.0451	18.9070	19.1616
Na 330.237	987.623u	1108.16u	937.744u
Ni 231.604	427.551	428.720	428.423
Pb 220.353	2004.49	2022.03	2023.69
Sb 206.834	30.3655	22.7401	31.9716
Se 196.026	-3.0668	3.5674	-2.5987
Sn 189.925	72.4636	76.0535	83.3261
Sr 216.596	263.550	264.681	265.731
Ti 334.941	1296.62	1297.02	1292.77
Tl 190.794	21.2316u	17.4257u	18.9999u
V 292.401	654.919	658.935	657.208
Zn 206.200	5269.15	5300.52	5305.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.6134	ppb	0.4128	11.4	-258.732
Al 308.215	126409	ppb	242.202	0.2	586621
As 188.980	297.144	ppb	5.6897	1.9	132.992
B 249.678	12.3825	ppb	1.7372	14.0	-343.965
Ba 389.178	1944.84	ppb	2.3262	0.1	46110.0
Be 313.042	14.1457	ppb	0.0561	0.4	26519.0
Ca 370.602	186725	ppb	469.0	0.3	560475
Cd 226.502	24.4953	ppb	0.2053	0.8	2873.01
Co 228.615	151.076	ppb	2.7060	1.8	2072.52
Cr 267.716	1081.14	ppb	1.5384	0.1	57319.9
Cu 324.754	1800.33	ppb	19.9324	1.1	85335.1
Fe 271.441	487829	ppb	905.290	0.2	910205
K 766.491	10266.4	ppb	21.2395	0.2	396035
Mg 279.078	85335.0	ppb	111.149	0.1	198702
Mn 257.610	13359.2	ppb	24.5378	0.2	3573817
Mo 202.032	19.0379	ppb	0.1274	0.7	143.522
Na 330.237	1011.18	ppb	87.6142	8.7	-110.326
Ni 231.604	428.231	ppb	0.6076	0.1	1335.01
Pb 220.353	2016.74	ppb	10.6395	0.5	4230.37
Sb 206.834	28.3591	ppb	4.9320	17.4	65.3319
Se 196.026	-0.6994	ppb	3.7025	529.4	18.2818
Sn 189.925	77.2811	ppb	5.5343	7.2	66.0214
Sr 216.596	264.654	ppb	1.0908	0.4	3737.96
Ti 334.941	1295.47	ppb	2.3454	0.2	398569
Tl 190.794	19.2191	ppb	1.9124	10.0	-43.5562
V 292.401	657.021	ppb	2.0148	0.3	19192.9
Zn 206.200	5291.69	ppb	19.6772	0.4	8677.59

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4514u	-0.5062u	-0.9364u
Al 308.215	112070	112010	112682
As 188.980	318.776	309.656	307.268
B 249.678	15.5999u	13.3774u	12.7903u
Ba 389.178	2309.56	2300.87	2306.69
Be 313.042	16.8415	16.8160	16.8517
Ca 370.602	62199	62083	62156
Cd 226.502	10.9959	11.4769	10.6187
Co 228.615	127.576	130.255	129.052
Cr 267.716	637.410	636.848	638.286
Cu 324.754	654.912	646.191	657.274
Fe 271.441	565731	565551	569280
K 766.491	8625.86	8657.65	8626.70
Mg 279.078	17192.0	17174.5	17225.3
Mn 257.610	9850.43	9879.75	9864.07
Mo 202.032	26.8294	26.1156	26.0124
Na 330.237	1326.76u	1489.15u	1120.29u
Ni 231.604	148.607	150.341	150.178
Pb 220.353	2640.87	2642.24	2645.18
Sb 206.834	18.2108	16.1684	16.9769
Se 196.026	-3.4727	-2.1614	-2.3750
Sn 189.925	110.894	104.470	102.521
Sr 216.596	581.020	581.219	581.073
Ti 334.941	1683.96	1682.92	1681.37
Tl 190.794	13.9706u	17.4301u	20.9117u
V 292.401	854.714	853.352	856.230
Zn 206.200	5582.76	5564.07	5581.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6313	ppb	0.2656	42.1	-47.9878
Al 308.215	112254	ppb	371.912	0.3	520937
As 188.980	311.900	ppb	6.0731	1.9	138.612
B 249.678	13.9225	ppb	1.4820	10.6	-429.877
Ba 389.178	2305.71	ppb	4.4307	0.2	54429.4
Be 313.042	16.8364	ppb	0.0184	0.1	31576.8
Ca 370.602	62146	ppb	59.06	0.1	153679
Cd 226.502	11.0305	ppb	0.4301	3.9	2608.63
Co 228.615	128.961	ppb	1.3418	1.0	1780.22
Cr 267.716	637.515	ppb	0.7246	0.1	33886.3
Cu 324.754	652.792	ppb	5.8377	0.9	31213.6
Fe 271.441	566854	ppb	2103.26	0.4	1057625
K 766.491	8636.74	ppb	18.1167	0.2	333227
Mg 279.078	17197.3	ppb	25.7967	0.2	40013.3
Mn 257.610	9864.75	ppb	14.6690	0.1	2639225
Mo 202.032	26.3191	ppb	0.4449	1.7	198.148
Na 330.237	1312.07	ppb	184.867	14.1	-128.793
Ni 231.604	149.708	ppb	0.9572	0.6	472.674
Pb 220.353	2642.77	ppb	2.2027	0.1	5530.49
Sb 206.834	17.1187	ppb	1.0286	6.0	48.2221
Se 196.026	-2.6697	ppb	0.7036	26.4	16.7413
Sn 189.925	105.962	ppb	4.3815	4.1	95.0600
Sr 216.596	581.104	ppb	0.1032	0.0	7846.87
Ti 334.941	1682.75	ppb	1.3021	0.1	517260
Tl 190.794	17.4375	ppb	3.4706	19.9	-44.2461
V 292.401	854.765	ppb	1.4399	0.2	25021.2
Zn 206.200	5576.23	ppb	10.5424	0.2	9151.80

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680-89985-a-27-a (Samp) 5/8/2013, 7:14:27 AM Rack 3, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.2063	0.6709	0.9594
Al 308.215	115403	115005	115667
As 188.980	218.964	223.327	222.544
B 249.678	22.2361u	23.3929u	23.1243u
Ba 389.178	2129.74	2122.08	2125.33
Be 313.042	10.0378	10.0164	10.0451
Ca 370.602	127985	127860	128054
Cd 226.502	31.2796	31.1549	31.1213
Co 228.615	98.5198	98.5384	98.3392
Cr 267.716	474.234	473.391	474.524
Cu 324.754	2059.27	2011.43	2058.37
Fe 271.441	327701	327093	328145
K 766.491	11112.6	11081.0	11011.4
Mg 279.078	44833.2	44839.5	44973.7
Mn 257.610	12571.7	12550.3	12588.3
Mo 202.032	18.5335	19.4097	18.6442
Na 330.237	839.287u	769.618u	721.150u
Ni 231.604	261.470	264.144	264.787
Pb 220.353	2360.39	2367.05	2379.54
Sb 206.834	28.9649	27.4368	27.3480
Se 196.026	0.7932	1.5105	-7.9676
Sn 189.925	115.994	115.291	115.634
Sr 216.596	273.487	273.596	274.335
Ti 334.941	1168.21	1166.10	1164.40
Tl 190.794	17.2019u	21.3904u	15.4246u
V 292.401	382.778	383.296	383.792
Zn 206.200	5668.69	5689.95	5722.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9455	ppb	0.2680	28.3	105.211
Al 308.215	115358	ppb	332.925	0.3	535348
As 188.980	221.612	ppb	2.3264	1.0	97.6892
B 249.678	22.9177	ppb	0.6054	2.6	14.5336
Ba 389.178	2125.72	ppb	3.8409	0.2	49978.5
Be 313.042	10.0331	ppb	0.0149	0.1	18702.2
Ca 370.602	127966	ppb	98.16	0.1	384790
Cd 226.502	31.1853	ppb	0.0834	0.3	2553.20
Co 228.615	98.4658	ppb	0.1100	0.1	1361.61
Cr 267.716	474.050	ppb	0.5886	0.1	25205.2
Cu 324.754	2043.03	ppb	27.3653	1.3	96743.7
Fe 271.441	327646	ppb	527.792	0.2	611365
K 766.491	11068.3	ppb	51.7552	0.5	426940
Mg 279.078	44882.1	ppb	79.3686	0.2	104426
Mn 257.610	12570.1	ppb	19.0488	0.2	3361960
Mo 202.032	18.8625	ppb	0.4771	2.5	151.719
Na 330.237	776.685	ppb	59.3846	7.6	-65.6531
Ni 231.604	263.467	ppb	1.7592	0.7	819.809
Pb 220.353	2369.00	ppb	9.7231	0.4	4962.44
Sb 206.834	27.9166	ppb	0.9089	3.3	52.8949
Se 196.026	-1.8880	ppb	5.2773	279.5	16.3573
Sn 189.925	115.639	ppb	0.3516	0.3	104.923
Sr 216.596	273.806	ppb	0.4613	0.2	3753.34
Ti 334.941	1166.24	ppb	1.9080	0.2	358634
Tl 190.794	18.0056	ppb	3.0630	17.0	-34.6751
V 292.401	383.289	ppb	0.5068	0.1	11208.2
Zn 206.200	5693.68	ppb	27.0426	0.5	9316.83

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89985-a-28-a (Samp) 5/8/2013, 7:19:54 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.9978	4.2576	5.0972
Al 308.215	151476	151532	152291
As 188.980	267.845	274.731	257.223
B 249.678	131.996	133.621	133.672
Ba 389.178	4229.63	4234.76	4230.50
Be 313.042	18.4264	18.4421	18.4087
Ca 370.602	235751	237011	236743
Cd 226.502	86.5390	87.0309	86.6953
Co 228.615	117.656	118.313	117.684
Cr 267.716	565.900	566.287	567.338
Cu 324.754	2686.11	2736.39	2698.17
Fe 271.441	438992	441266	440379
K 766.491	17602.2	17621.0	17437.6
Mg 279.078	36501.7	36537.5	36583.2
Mn 257.610	17290.7	17299.1	17357.2
Mo 202.032	30.3523	30.1829	29.8357
Na 330.237	3565.92u	3420.61u	3523.12u
Ni 231.604	249.142	247.441	246.366
Pb 220.353	6110.28	6114.67	6126.98
Sb 206.834	26.7161	23.9650	28.6996
Se 196.026	2.2804	7.4238	-5.7479
Sn 189.925	248.118	249.692	238.616
Sr 216.596	973.296	973.701	975.721
Ti 334.941	2711.24	2706.88	2706.27
Tl 190.794	28.0164u	24.4046u	25.9727u
V 292.401	603.199	604.583	602.364
Zn 206.200	15937.2	15956.9	16001.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.4509	ppb	0.5746	12.9	379.240
Al 308.215	151766	ppb	455.304	0.3	704285
As 188.980	266.600	ppb	8.8201	3.3	119.056
B 249.678	133.096	ppb	0.9532	0.7	1352.46
Ba 389.178	4231.63	ppb	2.7423	0.1	99045.7
Be 313.042	18.4257	ppb	0.0167	0.1	34666.9
Ca 370.602	236502	ppb	664.0	0.3	724668
Cd 226.502	86.7551	ppb	0.2514	0.3	5277.46
Co 228.615	117.885	ppb	0.3716	0.3	1666.19
Cr 267.716	566.508	ppb	0.7442	0.1	30142.1
Cu 324.754	2706.89	ppb	26.2482	1.0	128095
Fe 271.441	440212	ppb	1146.29	0.3	821367
K 766.491	17553.6	ppb	100.865	0.6	676880
Mg 279.078	36540.8	ppb	40.8753	0.1	84915.9
Mn 257.610	17315.7	ppb	36.2190	0.2	4630903
Mo 202.032	30.1236	ppb	0.2633	0.9	236.929
Na 330.237	3503.22	ppb	74.6742	2.1	-53.2504
Ni 231.604	247.650	ppb	1.3998	0.6	773.522
Pb 220.353	6117.31	ppb	8.6605	0.1	12757.0
Sb 206.834	26.4602	ppb	2.3777	9.0	55.3251
Se 196.026	1.3188	ppb	6.6383	503.4	20.1871
Sn 189.925	245.475	ppb	5.9925	2.4	236.733
Sr 216.596	974.239	ppb	1.2991	0.1	12844.6
Ti 334.941	2708.13	ppb	2.7113	0.1	832461
Tl 190.794	26.1312	ppb	1.8111	6.9	-39.7073
V 292.401	603.382	ppb	1.1211	0.2	17675.3
Zn 206.200	15965.1	ppb	32.7950	0.2	26074.5



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89985-a-29-a (Samp) 5/8/2013, 7:25:21 AM Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1349	-0.5935u	-0.0885
Al 308.215	114725	114953	115282
As 188.980	246.779	234.099	244.550
B 249.678	35.6012u	34.6972u	33.2309u
Ba 389.178	2665.16	2668.53	2665.33
Be 313.042	13.0491	13.0809	13.0779
Ca 370.602	70983	71035	71023
Cd 226.502	13.7848	13.9672	13.4589
Co 228.615	116.160	116.325	116.997
Cr 267.716	753.107	755.421	754.134
Cu 324.754	828.430	824.165	835.565
Fe 271.441	407739	409187	409226
K 766.491	10452.4	10397.0	10398.6
Mg 279.078	19621.8	19679.3	19646.1
Mn 257.610	11481.8	11512.1	11499.5
Mo 202.032	21.2937	22.2139	21.8765
Na 330.237	1699.13u	1955.63u	1752.44u
Ni 231.604	153.588	151.948	152.088
Pb 220.353	4424.97	4444.94	4451.11
Sb 206.834	25.5551	24.5520	21.0294
Se 196.026	-5.4723	-1.5824	-7.2776
Sn 189.925	188.813	189.587	187.447
Sr 216.596	640.584	644.489	643.706
Ti 334.941	1761.58	1761.76	1758.94
Tl 190.794	17.4640u	19.1237u	13.6801u
V 292.401	572.986	573.769	572.504
Zn 206.200	6343.40	6357.73	6343.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1824	ppb	0.3731	204.6	-7.8029
Al 308.215	114986	ppb	279.988	0.2	533620
As 188.980	241.810	ppb	6.7698	2.8	106.344
B 249.678	34.5097	ppb	1.1962	3.5	61.5614
Ba 389.178	2666.34	ppb	1.8932	0.1	62589.4
Be 313.042	13.0693	ppb	0.0175	0.1	24439.4
Ca 370.602	71014	ppb	27.26	0.0	195201
Cd 226.502	13.7370	ppb	0.2575	1.9	2132.61
Co 228.615	116.494	ppb	0.4434	0.4	1620.96
Cr 267.716	754.220	ppb	1.1594	0.2	40021.6
Cu 324.754	829.387	ppb	5.7595	0.7	39504.0
Fe 271.441	408717	ppb	847.617	0.2	762611
K 766.491	10416.0	ppb	31.5344	0.3	401799
Mg 279.078	19649.1	ppb	28.8785	0.1	45664.7
Mn 257.610	11497.8	ppb	15.2155	0.1	3075327
Mo 202.032	21.7947	ppb	0.4655	2.1	170.687
Na 330.237	1802.40	ppb	135.351	7.5	-50.0573
Ni 231.604	152.542	ppb	0.9089	0.6	477.597
Pb 220.353	4440.34	ppb	13.6658	0.3	9268.50
Sb 206.834	23.7122	ppb	2.3769	10.0	53.3837
Se 196.026	-4.7774	ppb	2.9105	60.9	14.9948
Sn 189.925	188.616	ppb	1.0833	0.6	178.948
Sr 216.596	642.926	ppb	2.0660	0.3	8546.08
Ti 334.941	1760.76	ppb	1.5799	0.1	541227
Tl 190.794	16.7559	ppb	2.7900	16.7	-38.8353
V 292.401	573.086	ppb	0.6383	0.1	16761.0
Zn 206.200	6348.18	ppb	8.2687	0.1	10392.1

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/8/2013, 7:30:48 AM Rack 3, Tube 49  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	469.170	471.651	461.979
Al 308.215	4712.58	4665.59	4598.04
As 188.980	483.267	483.237	465.609
B 249.678	487.228	486.728	479.068
Ba 389.178	4986.17	4939.70	4847.66
Be 313.042	498.896	491.921	485.957
Ca 370.602	4870	4821	4740
Cd 226.502	491.556	487.320	478.358
Co 228.615	503.514	499.535	488.395
Cr 267.716	5022.50	4967.08	4880.65
Cu 324.754	4898.42	4963.75	4933.35
Fe 271.441	4800.62	4764.32	4659.97
K 766.491	9992.74	9842.85	9769.44
Mg 279.078	4804.05	4749.97	4677.85
Mn 257.610	5083.58	5043.99	4942.71
Mo 202.032	474.995	472.071	465.417
Na 330.237	6892.18	6734.17	6932.01
Ni 231.604	2490.67	2467.38	2430.18
Pb 220.353	476.282	470.094	462.878
Sb 206.834	934.335	932.298	912.394
Se 196.026	4711.49	4676.04	4593.63
Sn 189.925	4839.09	4801.34	4723.61
Sr 216.596	2439.16	2417.38	2379.44
Ti 334.941	482.818	477.373	467.844
Tl 190.794	4838.59	4795.91	4694.39
V 292.401	4796.96	4735.74	4650.82
Zn 206.200	2511.32	2507.47	2452.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	467.600	ppb	5.0238	1.1	37735.8	93.52000
Al 308.215	4658.74	ppb	57.5800	1.2	21672.7	93.17473
As 188.980	477.371	ppb	10.1862	2.1	221.892	95.47417
B 249.678	484.341	ppb	4.5739	0.9	6691.23	19.37364Q
Ba 389.178	4924.51	ppb	70.4925	1.4	114452	98.49021
Be 313.042	492.258	ppb	6.4762	1.3	934192	98.45160
Ca 370.602	4811	ppb	65.36	1.4	15345	96.21005
Cd 226.502	485.745	ppb	6.7383	1.4	20193.8	97.14893
Co 228.615	497.148	ppb	7.8371	1.6	6736.68	99.42960
Cr 267.716	4956.74	ppb	71.4860	1.4	261846	99.13490
Cu 324.754	4931.84	ppb	32.6901	0.7	232921	98.63679
Fe 271.441	4741.64	ppb	73.0140	1.5	9086.18	94.83276
K 766.491	9868.34	ppb	113.808	1.2	380693	98.68343
Mg 279.078	4743.95	ppb	63.3150	1.3	11003.4	94.87907
Mn 257.610	5023.42	ppb	72.6518	1.4	1343070	100.46848
Mo 202.032	470.828	ppb	4.9085	1.0	3855.52	94.16557
Na 330.237	6852.79	ppb	104.639	1.5	417.305	91.37047
Ni 231.604	2462.74	ppb	30.5060	1.2	7636.30	98.50973
Pb 220.353	469.751	ppb	6.7084	1.4	1008.50	93.95023
Sb 206.834	926.342	ppb	12.1227	1.3	1205.22	92.63423
Se 196.026	4660.39	ppb	60.4700	1.3	2590.86	93.20770
Sn 189.925	4788.01	ppb	58.8806	1.2	4846.42	95.76028
Sr 216.596	2411.99	ppb	30.2220	1.3	30975.5	96.47977
Ti 334.941	476.011	ppb	7.5793	1.6	146269	95.20225
Tl 190.794	4776.30	ppb	74.0764	1.6	5282.91	95.52595
V 292.401	4727.84	ppb	73.3930	1.6	138124	94.55679
Zn 206.200	2490.36	ppb	33.0323	1.3	4043.79	99.61443

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/8/2013, 7:36:15 AM Rack 3, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0654u	-0.3034u	-0.4217u
Al 308.215	-0.6403u	0.1961	-0.3663u
As 188.980	4.9515	3.0009	6.1394
B 249.678	5.8019	6.1543	5.1706
Ba 389.178	-0.2227u	-0.4638u	-0.6990u
Be 313.042	0.0008	0.0055	0.0089
Ca 370.602	-2.119u	1.416	-0.0783u
Cd 226.502	-0.1001u	-0.0003	-0.2185u
Co 228.615	0.2712	0.1028	0.1100
Cr 267.716	-0.2343u	0.0944	-0.0006u
Cu 324.754	-0.6792u	-0.7850u	-0.3351u
Fe 271.441	-0.8840u	9.7373	4.5166
K 766.491	-2.4909u	-2.1340u	-2.2712u
Mg 279.078	-0.3621u	-2.0881u	-0.2264u
Mn 257.610	-0.1149u	-0.0428u	-0.0354u
Mo 202.032	0.2445	-0.0306u	-0.2893u
Na 330.237	-167.988u	-212.254u	-65.1823u
Ni 231.604	-0.0809u	-0.0285u	0.2484
Pb 220.353	3.2949	1.9291	-0.3643u
Sb 206.834	1.6741	1.5063	7.3768
Se 196.026	6.8436	1.7526	-3.4078u
Sn 189.925	4.0648	0.9637	0.8261
Sr 216.596	0.1229	0.1138	0.1467
Ti 334.941	0.0959	0.1323	0.1132
Tl 190.794	2.9123	1.2927	2.0163
V 292.401	-0.0734u	-0.2764u	0.2699
Zn 206.200	0.6442	0.6957	0.0358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2635	ppb	0.1814	68.9	-42.3226	-0.26350
Al 308.215	-0.2702	ppb	0.4264	157.8	71.0514	-0.27020
As 188.980	4.6973	ppb	1.5846	33.7	-4.4769	4.69725
B 249.678	5.7089	ppb	0.4984	8.7	224.322	5.70895
Ba 389.178	-0.4619	ppb	0.2382	51.6	-5.1872	-0.46185
Be 313.042	0.0051	ppb	0.0040	79.9	-367.396	0.00506
Ca 370.602	-0.2607	ppb	1.774	680.7	6.498	-0.26069
Cd 226.502	-0.1063	ppb	0.1092	102.7	32.8821	-0.10631
Co 228.615	0.1613	ppb	0.0952	59.0	9.6856	0.16131
Cr 267.716	-0.0468	ppb	0.1691	361.0	15.0025	-0.04685
Cu 324.754	-0.5998	ppb	0.2353	39.2	234.858	-0.59977
Fe 271.441	4.4566	ppb	5.3109	119.2	116.085	4.45662
K 766.491	-2.2987	ppb	0.1800	7.8	281.986	-2.29871
Mg 279.078	-0.8922	ppb	1.0379	116.3	37.0894	-0.89221
Mn 257.610	-0.0643	ppb	0.0439	68.3	56.6403	-0.06434
Mo 202.032	-0.0251	ppb	0.2669	1063.4	16.6737	-0.02510
Na 330.237	-148.475	ppb	75.4526	50.8	60.8567	-148.47473
Ni 231.604	0.0464	ppb	0.1770	381.8	-5.6987	0.04635
Pb 220.353	1.6199	ppb	1.8491	114.1	35.0089	1.61988
Sb 206.834	3.5190	ppb	3.3420	95.0	7.9735	3.51905
Se 196.026	1.7294	ppb	5.1258	296.4	12.7191	1.72944
Sn 189.925	1.9515	ppb	1.8314	93.8	-10.5037	1.95153
Sr 216.596	0.1278	ppb	0.0170	13.3	21.9382	0.12781
Ti 334.941	0.1138	ppb	0.0182	16.0	-6.7563	0.11379
Tl 190.794	2.0738	ppb	0.8113	39.1	-13.3836	2.07376
V 292.401	-0.0266	ppb	0.2761	1036.2	-9.4070	-0.02665
Zn 206.200	0.4586	ppb	0.3670	80.0	0.1618	0.45857

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

mb 680-275575/20-a (Samp) 5/8/2013, 7:41:42 AM Rack 3, Tube 51

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1782u	0.3183	-0.0087u
Al 308.215	36.7682	37.0982	36.6515
As 188.980	-3.0409u	-1.0697u	5.0327
B 249.678	3.2798	2.6488	2.2859
Ba 389.178	0.2447	0.5144	0.2794
Be 313.042	-0.0018u	0.0070	0.0107
Ca 370.602	116.3	114.2	121.5
Cd 226.502	0.0696	-0.1329u	-0.1194u
Co 228.615	-0.0231u	0.0631	-0.2160u
Cr 267.716	2.4096	2.3114	2.2441
Cu 324.754	1.1414	0.6496	0.6376
Fe 271.441	118.214	114.783	115.731
K 766.491	19.6190	19.5211	19.7720
Mg 279.078	51.1767	51.1558	52.3276
Mn 257.610	6.3379	6.3422	6.3180
Mo 202.032	0.4026	0.4779	0.4516
Na 330.237	73.7363	25.7970	-75.7782u
Ni 231.604	-0.2459u	0.6103	1.0942
Pb 220.353	2.1827	3.9683	3.2047
Sb 206.834	-2.7149u	6.5113	1.9053
Se 196.026	0.5526	-5.0724u	0.1618
Sn 189.925	23.6980	25.6061	24.7816
Sr 216.596	0.5437	0.5877	0.8200
Ti 334.941	0.9289	0.8390	0.9046
Tl 190.794	-0.7514u	-1.5412u	-1.1437u
V 292.401	0.1441	0.3271	0.0051u
Zn 206.200	10.1606	9.7942	10.4775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0438	ppb	0.2524	576.0	-17.4550
Al 308.215	36.8393	ppb	0.2317	0.6	243.284
As 188.980	0.3074	ppb	4.2093	1369.4	-6.5804
B 249.678	2.7381	ppb	0.5030	18.4	183.992
Ba 389.178	0.3461	ppb	0.1467	42.4	13.8834
Be 313.042	0.0053	ppb	0.0064	120.7	-366.939
Ca 370.602	117.3	ppb	3.768	3.2	375.4
Cd 226.502	-0.0609	ppb	0.1132	185.9	35.1826
Co 228.615	-0.0586	ppb	0.1429	243.7	6.7074
Cr 267.716	2.3217	ppb	0.0832	3.6	140.190
Cu 324.754	0.8095	ppb	0.2875	35.5	301.390
Fe 271.441	116.243	ppb	1.7716	1.5	324.596
K 766.491	19.6374	ppb	0.1265	0.6	1127.39
Mg 279.078	51.5534	ppb	0.6706	1.3	159.192
Mn 257.610	6.3327	ppb	0.0129	0.2	1767.64
Mo 202.032	0.4441	ppb	0.0382	8.6	20.5024
Na 330.237	7.9184	ppb	76.3438	964.1	69.2614
Ni 231.604	0.4862	ppb	0.6786	139.6	-4.3309
Pb 220.353	3.1186	ppb	0.8959	28.7	38.1265
Sb 206.834	1.9006	ppb	4.6131	242.7	6.0061
Se 196.026	-1.4527	ppb	3.1409	216.2	10.9616
Sn 189.925	24.6953	ppb	0.9570	3.9	12.5769
Sr 216.596	0.6505	ppb	0.1484	22.8	28.7100
Ti 334.941	0.8908	ppb	0.0465	5.2	232.302
Tl 190.794	-1.1454	ppb	0.3949	34.5	-16.9758
V 292.401	0.1588	ppb	0.1615	101.7	-4.1975
Zn 206.200	10.1441	ppb	0.3419	261.3	15.6335

700-76178-a-1-d (Samp) 5/8/2013, 7:47:09 AM Rack 3, Tube 52

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3432u	-0.3497u	-0.1455u
Al 308.215	58.4024	59.6300	60.0389
As 188.980	5.8822	11.9809	1.4102
B 249.678	0.7692	0.6688	1.2586
Ba 389.178	0.4811	-0.4436u	-0.0822u
Be 313.042	0.0018	0.0012	-0.0006u
Ca 370.602	83.51	83.16	85.63
Cd 226.502	0.1932	-0.2995u	0.1055
Co 228.615	0.6896	0.1096	0.6730
Cr 267.716	1.9565	2.1046	2.2330
Cu 324.754	19.2023	19.3252	20.4034
Fe 271.441	126.534	135.289	130.981
K 766.491	16.6008	16.5513	16.6624
Mg 279.078	24.4500	18.8492	21.4937
Mn 257.610	2.7231	2.7231	2.7423
Mo 202.032	0.5992	0.4783	0.0160
Na 330.237	-45.4797u	-2.0731u	131.572
Ni 231.604	2.0818	1.3456	0.4764
Pb 220.353	1.2064	1.7989	2.1792
Sb 206.834	1.9493	5.8865	5.5591
Se 196.026	1.3068	-4.0008u	4.7022
Sn 189.925	26.3294	26.5659	25.5494
Sr 216.596	-0.5032u	0.2073	0.2233
Ti 334.941	8.7145	8.6318	8.7613
Tl 190.794	3.2551	-1.5090u	2.5727
V 292.401	0.0700	0.0373	-0.1622u
Zn 206.200	89.6798	87.0753	93.0366

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2795	ppb	0.1160	41.5	-43.5929
Al 308.215	59.3571	ppb	0.8517	1.4	347.763
As 188.980	6.4244	ppb	5.3062	82.6	-3.6498
B 249.678	0.8989	ppb	0.3156	35.1	159.098
Ba 389.178	-0.0149	ppb	0.4660	3125.5	5.4352
Be 313.042	0.0008	ppb	0.0012	154.4	-375.488
Ca 370.602	84.10	ppb	1.340	1.6	268.9
Cd 226.502	-0.0003	ppb	0.2628	92876.3	37.7443
Co 228.615	0.4907	ppb	0.3301	67.3	14.3704
Cr 267.716	2.0981	ppb	0.1384	6.6	128.379
Cu 324.754	19.6436	ppb	0.6608	3.4	1190.00
Fe 271.441	130.934	ppb	4.3779	3.3	352.097
K 766.491	16.6049	ppb	0.0557	0.3	1010.52
Mg 279.078	21.5976	ppb	2.8018	13.0	89.4489
Mn 257.610	2.7295	ppb	0.0111	0.4	804.144
Mo 202.032	0.3645	ppb	0.3078	84.4	19.8514
Na 330.237	28.0066	ppb	92.2791	329.5	69.6567
Ni 231.604	1.3013	ppb	0.8036	61.8	-1.8014
Pb 220.353	1.7281	ppb	0.4902	28.4	35.2297
Sb 206.834	4.4650	ppb	2.1848	48.9	9.1712
Se 196.026	0.6694	ppb	4.3864	655.2	12.1344
Sn 189.925	26.1482	ppb	0.5319	2.0	14.0514
Sr 216.596	-0.0242	ppb	0.4149	1714.8	20.0341
Ti 334.941	8.7025	ppb	0.0656	0.8	2632.84
Tl 190.794	1.4396	ppb	2.5763	179.0	-14.0995
V 292.401	-0.0183	ppb	0.1257	685.8	-9.2241
Zn 206.200	89.9306	ppb	2.9886	3.3	145.710

700-76178-a-2-b (Samp) 5/8/2013, 7:52:36 AM Rack 3, Tube 53

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2407u	0.0062	-0.2502u
Al 308.215	70.8998	72.8784	70.5382
As 188.980	13.2071	2.4315	5.4928
B 249.678	-0.5072u	-0.1031u	-0.2150u
Ba 389.178	0.9688	-0.7206u	0.7625
Be 313.042	0.0013	0.0074	0.0070
Ca 370.602	101.0	105.5	99.91
Cd 226.502	0.1636	0.0427	0.1007
Co 228.615	0.3757	-0.7908u	0.0996
Cr 267.716	2.1964	2.2601	2.5078
Cu 324.754	122.811	123.208	122.684
Fe 271.441	125.674	128.797	128.146
K 766.491	19.3999	19.6354	20.0838
Mg 279.078	28.0548	23.9302	24.2207
Mn 257.610	4.5734	4.5723	4.6166
Mo 202.032	0.7519	0.9842	0.2855
Na 330.237	2984.96	2937.59	2926.03
Ni 231.604	0.6552	0.9876	2.6615
Pb 220.353	3.0631	4.2870	2.8278
Sb 206.834	3.2239	-0.5909u	1.3810
Se 196.026	2.5331	-2.1974u	-0.5768u
Sn 189.925	22.0968	25.7279	28.5062
Sr 216.596	-0.2737u	0.3580	0.4125
Ti 334.941	7.9113	7.9343	8.0297
Tl 190.794	-2.0931u	4.4930	-0.4871u
V 292.401	0.0257	0.0563	0.0851
Zn 206.200	545.704	555.273	553.813

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1615	ppb	0.1453	90.0	-34.0502
Al 308.215	71.4388	ppb	1.2598	1.8	403.834
As 188.980	7.0438	ppb	5.5527	78.8	-3.3530
B 249.678	-0.2751	ppb	0.2086	75.8	143.225
Ba 389.178	0.3369	ppb	0.9216	273.5	13.6155
Be 313.042	0.0052	ppb	0.0034	65.4	-367.377
Ca 370.602	102.1	ppb	2.950	2.9	327.0
Cd 226.502	0.1023	ppb	0.0605	59.1	41.9679
Co 228.615	-0.1052	ppb	0.6096	579.6	6.2912
Cr 267.716	2.3214	ppb	0.1645	7.1	140.232
Cu 324.754	122.901	ppb	0.2731	0.2	6061.79
Fe 271.441	127.539	ppb	1.6476	1.3	345.663
K 766.491	19.7063	ppb	0.3474	1.8	1130.05
Mg 279.078	25.4019	ppb	2.3020	9.1	98.2756
Mn 257.610	4.5874	ppb	0.0253	0.6	1300.83
Mo 202.032	0.6739	ppb	0.3558	52.8	22.3804
Na 330.237	2949.53	ppb	31.2257	1.1	225.330
Ni 231.604	1.4348	ppb	1.0753	74.9	-1.3867
Pb 220.353	3.3926	ppb	0.7834	23.1	38.6919
Sb 206.834	1.3380	ppb	1.9078	142.6	5.3117
Se 196.026	-0.0804	ppb	2.4040	2991.7	11.7202
Sn 189.925	25.4436	ppb	3.2142	12.6	13.3376
Sr 216.596	0.1656	ppb	0.3814	230.4	22.4654
Ti 334.941	7.9584	ppb	0.0628	0.8	2403.93
Tl 190.794	0.6376	ppb	3.4341	538.6	-14.9934
V 292.401	0.0557	ppb	0.0297	53.4	-7.1300
Zn 206.200	551.596	ppb	5.1552	0.9	898.354

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**190-642-a-1-a (Samp)**                      **5/8/2013, 7:58:04 AM**                      **Rack 3, Tube 54****Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2104u	-0.0457u	-0.1162u
Al 308.215	71.4272	74.3748	72.4058
As 188.980	7.8630	1.1542	-1.0218u
B 249.678	-1.0751u	-1.3667u	-0.5533u
Ba 389.178	-0.1469u	-0.1209u	0.1176
Be 313.042	0.0031	-0.0034u	0.0031
Ca 370.602	93.74	91.24	92.83
Cd 226.502	0.2214	0.0845	-0.0727u
Co 228.615	-0.2707u	0.0329	-0.2874u
Cr 267.716	2.0592	2.3035	1.9322
Cu 324.754	5.0167	4.2895	4.2646
Fe 271.441	97.7552	99.8063	103.914
K 766.491	19.5838	19.3718	19.5570
Mg 279.078	25.9012	24.9676	26.2283
Mn 257.610	5.0193	4.9787	4.9679
Mo 202.032	0.8581	0.1783	0.4482
Na 330.237	-135.518u	201.092	-41.7397u
Ni 231.604	1.4655	1.0183	0.3807
Pb 220.353	4.1179	2.1498	1.7593
Sb 206.834	1.9731	0.7405	3.8421
Se 196.026	-3.9986u	0.8411	-1.2151u
Sn 189.925	21.7496	26.0441	24.7986
Sr 216.596	-0.1088u	0.0798	0.4482
Ti 334.941	1.4748	1.4598	1.5129
Tl 190.794	-1.1508u	3.1837	0.2174
V 292.401	0.1009	0.3660	-0.1072u
Zn 206.200	23.4311	23.6480	24.5946

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1241	ppb	0.0826	66.6	-31.0117
Al 308.215	72.7359	ppb	1.5013	2.1	409.867
As 188.980	2.6651	ppb	4.6311	173.8	-5.4508
B 249.678	-0.9984	ppb	0.4121	41.3	133.478
Ba 389.178	-0.0501	ppb	0.1458	291.2	4.5890
Be 313.042	0.0009	ppb	0.0038	413.4	-375.338
Ca 370.602	92.60	ppb	1.268	1.4	297.4
Cd 226.502	0.0777	ppb	0.1471	189.4	40.8671
Co 228.615	-0.1751	ppb	0.1803	103.0	5.1461
Cr 267.716	2.0983	ppb	0.1887	9.0	128.377
Cu 324.754	4.5236	ppb	0.4272	9.4	476.622
Fe 271.441	100.492	ppb	3.1363	3.1	295.192
K 766.491	19.5042	ppb	0.1155	0.6	1122.26
Mg 279.078	25.6990	ppb	0.6542	2.5	98.9558
Mn 257.610	4.9886	ppb	0.0271	0.5	1408.04
Mo 202.032	0.4948	ppb	0.3423	69.2	20.9185
Na 330.237	7.9448	ppb	173.718	2186.6	69.1563
Ni 231.604	0.9548	ppb	0.5452	57.1	-2.8772
Pb 220.353	2.6757	ppb	1.2642	47.2	37.2054
Sb 206.834	2.1852	ppb	1.5617	71.5	6.3515
Se 196.026	-1.4575	ppb	2.4290	166.7	10.9584
Sn 189.925	24.1974	ppb	2.2095	9.1	12.0717
Sr 216.596	0.1397	ppb	0.2833	202.7	22.1211
Ti 334.941	1.4825	ppb	0.0274	1.8	414.008
Tl 190.794	0.7501	ppb	2.2158	295.4	-14.8677
V 292.401	0.1199	ppb	0.2371	197.8	-5.3473
Zn 206.200	23.8912	ppb	0.6187	2.6	38.0439

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190-642-a-2-a (Samp) 5/8/2013, 8:03:31 AM Rack 3, Tube 55

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1938	0.2584	0.1924
Al 308.215	35.6260	37.9361	34.5746
As 188.980	0.2589	-5.2450u	-2.4812u
B 249.678	-1.1751u	-2.0078u	-1.8835u
Ba 389.178	0.0781	0.0930	0.5188
Be 313.042	0.0016	0.0093	0.0021
Ca 370.602	80.79	78.37	75.78
Cd 226.502	-0.0007	-0.0351u	-0.0107u
Co 228.615	0.1619	0.0383	0.0007
Cr 267.716	2.1717	2.0441	2.2385
Cu 324.754	1.4109	1.3623	0.7129
Fe 271.441	84.0368	75.7524	81.9065
K 766.491	18.1504	18.1491	17.5056
Mg 279.078	21.8179	20.3547	20.1933
Mn 257.610	5.1524	5.1429	5.0106
Mo 202.032	0.2760	0.5775	0.2040
Na 330.237	-95.2622u	-96.5922u	-83.3211u
Ni 231.604	-0.7171u	0.9091	0.4103
Pb 220.353	1.9313	4.8107	0.5412
Sb 206.834	2.8567	5.0274	-2.5815u
Se 196.026	-2.1525u	4.7965	2.9507
Sn 189.925	24.9019	23.1143	21.5278
Sr 216.596	-0.3562u	-0.1502u	0.3191
Ti 334.941	1.3780	1.3706	1.3517
Tl 190.794	-0.4801u	2.4859	1.6257
V 292.401	-0.0048u	0.0359	-0.4678u
Zn 206.200	9.9445	9.8424	11.4741

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2149	ppb	0.0377	17.6	-3.6005
Al 308.215	36.0456	ppb	1.7196	4.8	239.609
As 188.980	-2.4891	ppb	2.7520	110.6	-7.9203
B 249.678	-1.6888	ppb	0.4492	26.6	124.167
Ba 389.178	0.2300	ppb	0.2502	108.8	11.0544
Be 313.042	0.0043	ppb	0.0043	99.6	-368.816
Ca 370.602	78.32	ppb	2.506	3.2	253.1
Cd 226.502	-0.0155	ppb	0.0177	114.2	36.9330
Co 228.615	0.0670	ppb	0.0844	125.9	8.4200
Cr 267.716	2.1515	ppb	0.0988	4.6	131.184
Cu 324.754	1.1620	ppb	0.3897	33.5	318.015
Fe 271.441	80.5652	ppb	4.3020	5.3	258.054
K 766.491	17.9350	ppb	0.3719	2.1	1061.79
Mg 279.078	20.7886	ppb	0.8950	4.3	87.5194
Mn 257.610	5.1020	ppb	0.0793	1.6	1438.23
Mo 202.032	0.3525	ppb	0.1981	56.2	19.7566
Na 330.237	-91.7252	ppb	7.3085	8.0	63.8337
Ni 231.604	0.2008	ppb	0.8331	414.9	-5.2175
Pb 220.353	2.4277	ppb	2.1776	89.7	36.6893
Sb 206.834	1.7675	ppb	3.9196	221.8	5.8381
Se 196.026	1.8649	ppb	3.5995	193.0	12.7960
Sn 189.925	23.1814	ppb	1.6881	7.3	11.0405
Sr 216.596	-0.0625	ppb	0.3461	554.2	19.5208
Ti 334.941	1.3667	ppb	0.0136	1.0	378.417
Tl 190.794	1.2105	ppb	1.5260	126.1	-14.3554
V 292.401	-0.1456	ppb	0.2798	192.2	-13.1041
Zn 206.200	10.4203	ppb	0.9140	8.8	16.0803



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

190-643-a-1-a (Samp) 5/8/2013, 8:08:58 AM Rack 3, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2458u	-0.2779u	-0.3678u
Al 308.215	32.2112	28.9879	30.4498
As 188.980	6.0174	-0.6220u	-0.2762u
B 249.678	-1.9412u	-2.4494u	-0.8151u
Ba 389.178	0.3693	-0.6951u	-0.0385u
Be 313.042	-0.0057u	0.0081	0.0026
Ca 370.602	72.40	71.06	70.75
Cd 226.502	-0.0504u	-0.0080u	0.1213
Co 228.615	0.5917	0.2125	0.0267
Cr 267.716	2.0777	1.9547	2.1291
Cu 324.754	2.2784	2.3466	2.7819
Fe 271.441	74.5052	66.2602	66.8136
K 766.491	18.1593	17.9029	17.1148
Mg 279.078	23.4005	23.0794	21.6424
Mn 257.610	3.9137	3.8391	3.8686
Mo 202.032	0.4844	0.4795	1.0048
Na 330.237	-134.528u	46.3477	142.440
Ni 231.604	0.6522	-0.7887u	0.0418
Pb 220.353	2.6088	2.2738	1.2472
Sb 206.834	3.1345	0.4277	4.9123
Se 196.026	8.9153	5.4857	2.1581
Sn 189.925	24.3650	24.1784	22.3865
Sr 216.596	0.0873	-0.3560u	0.3609
Ti 334.941	1.3288	1.2990	1.2885
Tl 190.794	-0.7141u	2.3383	1.3895
V 292.401	-0.1286u	-0.1815u	-0.3414u
Zn 206.200	12.6346	12.9729	11.2708

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2972	ppb	0.0632	21.3	-45.0082
Al 308.215	30.5496	ppb	1.6140	5.3	214.119
As 188.980	1.7064	ppb	3.7374	219.0	-5.9101
B 249.678	-1.7352	ppb	0.8364	48.2	123.553
Ba 389.178	-0.1214	ppb	0.5370	442.2	2.8790
Be 313.042	0.0017	ppb	0.0070	416.9	-373.898
Ca 370.602	71.40	ppb	0.8759	1.2	231.7
Cd 226.502	0.0210	ppb	0.0894	426.5	38.4027
Co 228.615	0.2770	ppb	0.2880	104.0	11.2519
Cr 267.716	2.0538	ppb	0.0896	4.4	126.021
Cu 324.754	2.4690	ppb	0.2732	11.1	379.677
Fe 271.441	69.1930	ppb	4.6088	6.7	236.877
K 766.491	17.7257	ppb	0.5443	3.1	1053.72
Mg 279.078	22.7074	ppb	0.9362	4.1	92.0120
Mn 257.610	3.8738	ppb	0.0376	1.0	1109.88
Mo 202.032	0.6562	ppb	0.3019	46.0	22.2404
Na 330.237	18.0865	ppb	140.630	777.5	69.8140
Ni 231.604	-0.0316	ppb	0.7233	2291.6	-5.9388
Pb 220.353	2.0433	ppb	0.7095	34.7	35.8893
Sb 206.834	2.8248	ppb	2.2583	79.9	7.1400
Se 196.026	5.5197	ppb	3.3787	61.2	14.8170
Sn 189.925	23.6433	ppb	1.0924	4.6	11.5094
Sr 216.596	0.0308	ppb	0.3618	1176.1	20.7141
Ti 334.941	1.3054	ppb	0.0209	1.6	359.564
Tl 190.794	1.0046	ppb	1.5622	155.5	-14.5815
V 292.401	-0.2172	ppb	0.1108	51.0	-15.2208
Zn 206.200	12.2928	ppb	0.9910	7.3	19.1320

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

mb 680-275629/1-a (Samp) 5/8/2013, 8:14:25 AM Rack 3, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0443u	0.0754	-0.1414u
Al 308.215	4.7438	3.3558	4.3044
As 188.980	6.5071	7.6169	-1.9947u
B 249.678	-1.3367u	-1.2122u	-0.3853u
Ba 389.178	-0.6478u	-0.4267u	0.0708
Be 313.042	0.0020	-0.0013u	0.0066
Ca 370.602	3.156	5.244	8.220
Cd 226.502	-0.1378u	-0.1379u	-0.2338u
Co 228.615	-0.2755u	0.1392	0.5902
Cr 267.716	-0.3461u	-0.1617u	-0.1258u
Cu 324.754	-0.0217u	-0.4794u	-0.0253u
Fe 271.441	-2.6022u	-3.9821u	-1.9403u
K 766.491	-1.2571u	-0.8369u	-1.3436u
Mg 279.078	-0.3528u	-3.0168u	-2.2411u
Mn 257.610	-0.1053u	-0.0933u	-0.1063u
Mo 202.032	-0.7360u	-0.0321u	-0.4594u
Na 330.237	-193.693u	-227.406u	-122.247u
Ni 231.604	-0.4737u	1.3973	0.2335
Pb 220.353	-0.6143u	0.1592	-0.6906u
Sb 206.834	-1.0504u	3.6821	4.1970
Se 196.026	-1.8295u	-3.1074u	2.1249
Sn 189.925	1.0327	2.6420	0.5451
Sr 216.596	0.0118	-0.4903u	-0.1981u
Ti 334.941	0.0314	0.0464	0.0612
Tl 190.794	-0.1088u	-0.8614u	0.1927
V 292.401	-0.1684u	-0.0619u	-0.2223u
Zn 206.200	0.8549	1.2598	1.0360

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0368	ppb	0.1086	295.3	-23.9701
Al 308.215	4.1347	ppb	0.7094	17.2	91.4651
As 188.980	4.0431	ppb	5.2582	130.1	-4.7902
B 249.678	-0.9781	ppb	0.5171	52.9	133.890
Ba 389.178	-0.3346	ppb	0.3681	110.0	-2.2421
Be 313.042	0.0024	ppb	0.0040	164.8	-372.353
Ca 370.602	5.540	ppb	2.545	45.9	25.62
Cd 226.502	-0.1698	ppb	0.0554	32.6	30.2273
Co 228.615	0.1513	ppb	0.4330	286.1	9.5582
Cr 267.716	-0.2112	ppb	0.1182	56.0	6.3191
Cu 324.754	-0.1755	ppb	0.2632	150.0	254.869
Fe 271.441	-2.8415	ppb	1.0418	36.7	102.464
K 766.491	-1.1459	ppb	0.2710	23.7	326.416
Mg 279.078	-1.8703	ppb	1.3702	73.3	34.8087
Mn 257.610	-0.1016	ppb	0.0073	7.1	46.6504
Mo 202.032	-0.4092	ppb	0.3547	86.7	13.5346
Na 330.237	-181.115	ppb	53.6962	29.6	59.0740
Ni 231.604	0.3857	ppb	0.9447	245.0	-4.6459
Pb 220.353	-0.3819	ppb	0.4701	123.1	30.8473
Sb 206.834	2.2762	ppb	2.8924	127.1	6.4414
Se 196.026	-0.9373	ppb	2.7279	291.0	11.2441
Sn 189.925	1.4066	ppb	1.0973	78.0	-11.0567
Sr 216.596	-0.2255	ppb	0.2521	111.8	17.3840
Ti 334.941	0.0463	ppb	0.0149	32.1	-27.4838
Tl 190.794	-0.2592	ppb	0.5429	209.5	-15.9740
V 292.401	-0.1508	ppb	0.0816	54.1	-12.9837
Zn 206.200	1.0502	ppb	0.2928	19.3	0.8026

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

ics 680-275629/2-a (Samp)      5/8/2013, 8:19:52 AM      Rack 3, Tube 58  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	46.8083	47.4881	46.2365
Al 308.215	4499.00	4462.95	4519.55
As 188.980	89.6898	95.7793	102.217
B 249.678	178.882	179.563	180.151
Ba 389.178	96.0454	95.8618	95.5066
Be 313.042	48.9999	48.9721	49.1942
Ca 370.602	4530	4534	4555
Cd 226.502	48.0294	48.2726	48.2402
Co 228.615	48.5681	48.8537	48.6766
Cr 267.716	97.0680	97.2580	97.1507
Cu 324.754	96.3526	96.3349	95.2729
Fe 271.441	4545.16	4551.81	4567.09
K 766.491	4687.38	4665.17	4674.91
Mg 279.078	4573.27	4578.99	4587.36
Mn 257.610	496.709	496.803	497.524
Mo 202.032	91.5641	91.3033	91.6691
Na 330.237	4318.85	4169.53	4198.94
Ni 231.604	95.2879	97.9443	93.2839
Pb 220.353	47.1873	47.8279	43.9814
Sb 206.834	45.3926	49.2313	49.8544
Se 196.026	90.4699	88.1829	90.7533
Sn 189.925	187.832	186.695	182.028
Sr 216.596	94.3875	94.7217	94.5787
Ti 334.941	92.1328	92.2680	92.2705
Tl 190.794	40.6155	39.1004	38.2785
V 292.401	92.8356	93.0014	92.9110
Zn 206.200	98.6343	97.5750	98.7347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.8443	ppb	0.6266	1.3	3766.05
Al 308.215	4493.83	ppb	28.6501	0.6	20933.0
As 188.980	95.8954	ppb	6.2645	6.5	39.1937
B 249.678	179.532	ppb	0.6352	0.4	2569.09
Ba 389.178	95.8046	ppb	0.2739	0.3	2250.60
Be 313.042	49.0554	ppb	0.1210	0.2	92764.1
Ca 370.602	4540	ppb	13.26	0.3	14250
Cd 226.502	48.1807	ppb	0.1321	0.3	2051.89
Co 228.615	48.6995	ppb	0.1442	0.3	664.843
Cr 267.716	97.1589	ppb	0.0953	0.1	5152.63
Cu 324.754	95.9868	ppb	0.6183	0.6	4794.74
Fe 271.441	4554.69	ppb	11.2410	0.2	8613.97
K 766.491	4675.82	ppb	11.1325	0.2	180575
Mg 279.078	4579.87	ppb	7.0883	0.2	10701.6
Mn 257.610	497.012	ppb	0.4462	0.1	133000
Mo 202.032	91.5122	ppb	0.1883	0.2	764.528
Na 330.237	4229.11	ppb	79.0989	1.9	296.374
Ni 231.604	95.5054	ppb	2.3378	2.4	290.630
Pb 220.353	46.3322	ppb	2.0609	4.4	127.974
Sb 206.834	48.1594	ppb	2.4163	5.0	63.3423
Se 196.026	89.8020	ppb	1.4093	1.6	61.6002
Sn 189.925	185.518	ppb	3.0755	1.7	175.785
Sr 216.596	94.5627	ppb	0.1677	0.2	1233.93
Ti 334.941	92.2238	ppb	0.0788	0.1	28323.5
Tl 190.794	39.3315	ppb	1.1855	3.0	26.9556
V 292.401	92.9160	ppb	0.0830	0.1	2689.90
Zn 206.200	98.3147	ppb	0.6425	0.7	159.576

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680-89980-a-1-a (Samp) 5/8/2013, 8:25:19 AM Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4591u	-0.1928u	-0.3703u
Al 308.215	249.550	253.342	253.509
As 188.980	4.6166	-7.1832u	-2.8141
B 249.678	243.804	244.274	244.373
Ba 389.178	12.6764	13.1272	12.0863
Be 313.042	-0.0620u	-0.0569u	-0.0662u
Ca 370.602	253466	255739	255855
Cd 226.502	-0.0710u	-0.0077u	-0.0448u
Co 228.615	-0.0110u	0.4969	-0.5009u
Cr 267.716	-0.1179u	-0.1400u	-0.2137u
Cu 324.754	5.2790	5.1138	5.1215
Fe 271.441	100.786	103.341	92.2316
K 766.491	15743.8	15707.3	15735.3
Mg 279.078	1761.55	1763.32	1760.50
Mn 257.610	8.5633	8.5510	8.4817
Mo 202.032	1.9304	1.5023	1.7524
Na 330.237	58407.9	58701.6	58617.0
Ni 231.604	2.1140	2.3337	2.3777
Pb 220.353	1.3249	1.6509	3.7213
Sb 206.834	-4.1031u	2.5506	3.5455
Se 196.026	6.1781	4.0757	-1.8780u
Sn 189.925	0.8960	0.2688	-2.7454u
Sr 216.596	4143.56	4137.22	4134.27
Ti 334.941	0.7672	0.6515	0.8288
Tl 190.794	0.4194	-4.0249u	-2.7258u
V 292.401	0.2111	0.0322	-0.2134u
Zn 206.200	75.2575	73.6106	74.5172

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3407	ppb	0.1356	39.8	-251.504
Al 308.215	252.133	ppb	2.2391	0.9	1242.42
As 188.980	-1.7936	ppb	5.9658	332.6	-5.9043
B 249.678	244.150	ppb	0.3038	0.1	3449.09
Ba 389.178	12.6300	ppb	0.5220	4.1	303.743
Be 313.042	-0.0617	ppb	0.0047	7.6	-412.186
Ca 370.602	255020	ppb	1347	0.5	819377
Cd 226.502	-0.0411	ppb	0.0318	77.3	35.5922
Co 228.615	-0.0050	ppb	0.4989	10040.8	7.4045
Cr 267.716	-0.1572	ppb	0.0502	31.9	10.3901
Cu 324.754	5.1714	ppb	0.0932	1.8	507.217
Fe 271.441	98.7860	ppb	5.8183	5.9	292.033
K 766.491	15728.8	ppb	19.0716	0.1	606553
Mg 279.078	1761.79	ppb	1.4284	0.1	4144.18
Mn 257.610	8.5320	ppb	0.0440	0.5	2375.19
Mo 202.032	1.7284	ppb	0.2151	12.4	31.0026
Na 330.237	58575.5	ppb	151.177	0.3	3263.00
Ni 231.604	2.2751	ppb	0.1413	6.2	1.2198
Pb 220.353	2.2324	ppb	1.2997	58.2	36.2874
Sb 206.834	0.6644	ppb	4.1586	626.0	4.4218
Se 196.026	2.7919	ppb	4.1787	149.7	13.3098
Sn 189.925	-0.5269	ppb	1.9467	369.5	-12.8616
Sr 216.596	4138.35	ppb	4.7447	0.1	53278.0
Ti 334.941	0.7492	ppb	0.0900	12.0	192.236
Tl 190.794	-2.1104	ppb	2.2851	108.3	-18.0508
V 292.401	0.0100	ppb	0.2131	2134.8	-9.1367
Zn 206.200	74.4618	ppb	0.8248	269.1	120.495

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**680-89980-a-1-aSD^5 (Samp) 5/8/2013, 8:30:46 AM Rack 3, Tube 60****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5983u	0.1401u	-0.2058u
Al 308.215	48.1347	46.5086	49.2197
As 188.980	-3.8446u	5.9480	2.1585
B 249.678	51.1582	49.5767	50.3087
Ba 389.178	0.3873	-0.1045u	0.2860
Be 313.042	-0.0200u	-0.0192u	-0.0163u
Ca 370.602	50857	50949	50861
Cd 226.502	-0.0265u	-0.0106u	-0.2155u
Co 228.615	0.1574	0.1872	0.1574
Cr 267.716	-0.0713u	-0.2904u	-0.2553u
Cu 324.754	1.1168	0.9020	0.8288
Fe 271.441	18.7934	20.5429	14.0718
K 766.491	2793.71	2801.49	2797.50
Mg 279.078	358.374	360.443	353.558
Mn 257.610	1.9104	1.9045	1.8697
Mo 202.032	0.9403	-0.1416u	0.1543
Na 330.237	10674.2	10684.9	10542.8
Ni 231.604	2.8085	0.6712	1.6960
Pb 220.353	1.0709	-0.4567u	0.5167
Sb 206.834	-0.4242u	-2.6995u	5.3567
Se 196.026	2.3652	2.0361	-4.2600u
Sn 189.925	3.5150	0.4396	-0.3418u
Sr 216.596	840.002	836.519	835.300
Ti 334.941	0.1641	0.1134	0.1233
Tl 190.794	2.1511	0.5739	-1.3125u
V 292.401	-0.5375u	-0.1580u	-0.0855u
Zn 206.200	15.3246	17.1460	16.6874

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2213	ppb	0.3694	166.9	-79.9500
Al 308.215	47.9544	ppb	1.3645	2.8	294.877
As 188.980	1.4206	ppb	4.9378	347.6	-5.7108
B 249.678	50.3479	ppb	0.7914	1.6	828.041
Ba 389.178	0.1896	ppb	0.2597	137.0	10.9087
Be 313.042	-0.0185	ppb	0.0019	10.4	-395.633
Ca 370.602	50889	ppb	52.08	0.1	163513
Cd 226.502	-0.0842	ppb	0.1140	135.4	33.7879
Co 228.615	0.1673	ppb	0.0172	10.3	9.7495
Cr 267.716	-0.2057	ppb	0.1177	57.2	6.8368
Cu 324.754	0.9492	ppb	0.1497	15.8	307.959
Fe 271.441	17.8027	ppb	3.3474	18.8	140.981
K 766.491	2797.57	ppb	3.8877	0.1	108188
Mg 279.078	357.458	ppb	3.5323	1.0	872.050
Mn 257.610	1.8949	ppb	0.0220	1.2	584.539
Mo 202.032	0.3177	ppb	0.5591	176.0	19.4757
Na 330.237	10634.0	ppb	79.1424	0.7	648.795
Ni 231.604	1.7252	ppb	1.0689	62.0	-0.4887
Pb 220.353	0.3770	ppb	0.7733	205.2	32.4253
Sb 206.834	0.7443	ppb	4.1533	558.0	4.5378
Se 196.026	0.0471	ppb	3.7337	7929.7	11.7892
Sn 189.925	1.2043	ppb	2.0389	169.3	-11.2310
Sr 216.596	837.274	ppb	2.4400	0.3	10795.3
Ti 334.941	0.1336	ppb	0.0269	20.1	0.1920
Tl 190.794	0.4708	ppb	1.7341	368.3	-15.1681
V 292.401	-0.2604	ppb	0.2428	93.2	-16.4378
Zn 206.200	16.3860	ppb	0.9474	5.8	25.8065

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Cont Calib Verif (CCV)                      5/8/2013, 8:36:13 AM                      Rack 4, Tube 1  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	471.472	471.735	467.121
Al 308.215	4671.55	4692.03	4674.51
As 188.980	471.825	476.497	494.295
B 249.678	485.744	490.070	489.844
Ba 389.178	4949.14	4970.21	4961.08
Be 313.042	494.931	497.378	495.733
Ca 370.602	4840	4872	4842
Cd 226.502	487.883	490.830	489.668
Co 228.615	500.918	502.790	501.041
Cr 267.716	4990.20	5023.11	4997.22
Cu 324.754	4931.00	4864.61	4880.98
Fe 271.441	4773.85	4784.05	4784.06
K 766.491	9875.79	9907.91	9939.36
Mg 279.078	4773.91	4799.99	4788.44
Mn 257.610	5068.24	5083.68	5076.05
Mo 202.032	474.319	476.600	475.477
Na 330.237	6789.66	6956.55	6832.74
Ni 231.604	2478.71	2493.49	2480.63
Pb 220.353	470.447	474.726	471.621
Sb 206.834	940.070	941.934	945.044
Se 196.026	4693.58	4707.94	4716.84
Sn 189.925	4793.21	4810.16	4828.74
Sr 216.596	2428.21	2440.17	2432.84
Ti 334.941	478.582	481.228	479.814
Tl 190.794	4808.13	4827.01	4843.12
V 292.401	4768.62	4784.19	4771.27
Zn 206.200	2484.91	2512.22	2501.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	470.109	ppb	2.5909	0.6	37938.2	94.02187
Al 308.215	4679.36	ppb	11.0726	0.2	21768.3	93.58729
As 188.980	480.872	ppb	11.8566	2.5	223.569	96.17448
B 249.678	488.553	ppb	2.4352	0.5	6748.13	19.54210Q
Ba 389.178	4960.14	ppb	10.5670	0.2	115280	99.20286
Be 313.042	496.014	ppb	1.2474	0.3	941322	99.20277
Ca 370.602	4851	ppb	18.00	0.4	15475	97.02533
Cd 226.502	489.460	ppb	1.4847	0.3	20348.0	97.89204
Co 228.615	501.583	ppb	1.0470	0.2	6796.68	100.31657
Cr 267.716	5003.51	ppb	17.3331	0.3	264316	100.07014
Cu 324.754	4892.20	ppb	34.5872	0.7	231051	97.84393
Fe 271.441	4780.65	ppb	5.8940	0.1	9160.24	95.61310
K 766.491	9907.69	ppb	31.7857	0.3	382209	99.07687
Mg 279.078	4787.45	ppb	13.0655	0.3	11103.9	95.74898
Mn 257.610	5075.99	ppb	7.7172	0.2	1357124	101.51981
Mo 202.032	475.466	ppb	1.1406	0.2	3893.33	95.09312
Na 330.237	6859.65	ppb	86.6373	1.3	417.528	91.46198
Ni 231.604	2484.28	ppb	8.0370	0.3	7703.12	99.37103
Pb 220.353	472.265	ppb	2.2107	0.5	1013.73	94.45292
Sb 206.834	942.349	ppb	2.5126	0.3	1225.50	94.23492
Se 196.026	4706.12	ppb	11.7373	0.2	2616.17	94.12239
Sn 189.925	4810.70	ppb	17.7714	0.4	4869.45	96.21408
Sr 216.596	2433.74	ppb	6.0289	0.2	31254.5	97.34961
Ti 334.941	479.875	ppb	1.3244	0.3	147456	95.97496
Tl 190.794	4826.09	ppb	17.5101	0.4	5338.15	96.52174
V 292.401	4774.69	ppb	8.3266	0.2	139493	95.49390
Zn 206.200	2499.46	ppb	13.7497	0.5	4058.48	99.97831

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Cont Calib Blank (CCB) 5/8/2013, 8:41:41 AM Rack 4, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1585	-0.2800u	-0.0607u
Al 308.215	1.3692	1.2557	-2.7970u
As 188.980	-2.5192u	1.9428	3.9101
B 249.678	7.1875	6.6083	5.8988
Ba 389.178	-0.5944u	-0.1955u	0.1124
Be 313.042	-0.0002u	0.0068	0.0114
Ca 370.602	-5.295u	-1.273u	-3.164u
Cd 226.502	-0.0130u	-0.2200u	-0.0275u
Co 228.615	0.0876	-0.1608u	0.2569
Cr 267.716	-0.2260u	-0.0931u	-0.1442u
Cu 324.754	-0.0214u	0.2265	-0.6302u
Fe 271.441	0.7257	0.3296	0.2482
K 766.491	-2.5004u	-2.0709u	-2.2630u
Mg 279.078	-3.2047u	1.6198	0.9996
Mn 257.610	-0.0623u	-0.0633u	-0.0338u
Mo 202.032	0.1801	0.1743	-0.2003u
Na 330.237	-246.087u	-121.035u	-48.8412u
Ni 231.604	0.0155	0.0392	0.2609
Pb 220.353	0.0331	2.8512	0.1870
Sb 206.834	6.3325	6.2242	7.2667
Se 196.026	0.1286	5.3703	2.4792
Sn 189.925	-1.0415u	3.6648	2.2093
Sr 216.596	0.1242	0.2784	-0.0818u
Ti 334.941	0.0331	0.0840	-0.0140u
Tl 190.794	0.9527	-0.1464u	0.0672
V 292.401	0.0246	0.0163	0.2720
Zn 206.200	0.4828	0.4013	0.6606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0607	ppb	0.2193	361.2	-25.9109	-0.06070
Al 308.215	-0.0574	ppb	2.3733	4137.2	72.0571	-0.05736
As 188.980	1.1112	ppb	3.2943	296.5	-6.1951	1.11124
B 249.678	6.5649	ppb	0.6454	9.8	235.904	6.56486
Ba 389.178	-0.2258	ppb	0.3544	156.9	0.2940	-0.22582
Be 313.042	0.0060	ppb	0.0058	97.8	-365.682	0.00598
Ca 370.602	-3.244	ppb	2.012	62.0	-2.736	-3.24370
Cd 226.502	-0.0869	ppb	0.1156	133.1	33.6722	-0.08685
Co 228.615	0.0612	ppb	0.2101	343.2	8.3232	0.06122
Cr 267.716	-0.1544	ppb	0.0671	43.4	9.3158	-0.15444
Cu 324.754	-0.1417	ppb	0.4409	311.1	256.473	-0.14170
Fe 271.441	0.4345	ppb	0.2554	58.8	108.566	0.43449
K 766.491	-2.2781	ppb	0.2152	9.4	282.780	-2.27809
Mg 279.078	-0.1951	ppb	2.6248	1345.3	38.7122	-0.19512
Mn 257.610	-0.0531	ppb	0.0167	31.5	59.6338	-0.05312
Mo 202.032	0.0513	ppb	0.2180	424.6	17.2985	0.05133
Na 330.237	-138.654	ppb	99.7960	72.0	61.3958	-138.65442
Ni 231.604	0.1052	ppb	0.1354	128.6	-5.5161	0.10522
Pb 220.353	1.0238	ppb	1.5845	154.8	33.7692	1.02375
Sb 206.834	6.6078	ppb	0.5732	8.7	11.7819	6.60779
Se 196.026	2.6594	ppb	2.6255	98.7	13.2334	2.65938
Sn 189.925	1.6109	ppb	2.4095	149.6	-10.8494	1.61086
Sr 216.596	0.1069	ppb	0.1807	169.0	21.6595	0.10693
Ti 334.941	0.0344	ppb	0.0490	142.7	-31.1620	0.03437
Tl 190.794	0.2912	ppb	0.5828	200.1	-15.3631	0.29118
V 292.401	0.1043	ppb	0.1453	139.3	-5.6039	0.10430
Zn 206.200	0.5149	ppb	0.1326	25.8	0.0701	0.51490

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89980-a-1-aPDS (Samp) 5/8/2013, 8:47:09 AM Rack 4, Tube 3****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.8556	47.8477	48.5309
Al 308.215	2190.20	2200.04	2203.81
As 188.980	2100.83	2102.30	2102.05
B 249.678	1222.35	1229.19	1232.17
Ba 389.178	2030.80	2037.67	2033.55
Be 313.042	50.1865	50.2977	50.3713
Ca 370.602	256398	256083	255933
Cd 226.502	48.7998	49.2373	49.0311
Co 228.615	501.195	498.745	498.615
Cr 267.716	199.816	200.266	199.558
Cu 324.754	263.961	264.208	264.488
Fe 271.441	1049.74	1047.26	1043.75
K 766.491	21415.3	21527.8	21557.5
Mg 279.078	6639.30	6659.74	6647.26
Mn 257.610	523.529	523.397	523.802
Mo 202.032	495.237	498.200	496.546
Na 330.237	63343.6	63604.4	63107.7
Ni 231.604	490.636	490.790	490.091
Pb 220.353	471.102	475.797	472.388
Sb 206.834	486.905	487.086	490.411
Se 196.026	1947.55	1961.09	1957.74
Sn 189.925	991.648	990.817	985.441
Sr 216.596	4588.49	4594.65	4581.64
Ti 334.941	978.283	979.080	978.666
Tl 190.794	1950.39	1948.04	1958.02
V 292.401	480.730	481.393	481.307
Zn 206.200	562.438	558.870	557.473

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.0781	ppb	0.3922	0.8	3648.06
Al 308.215	2198.02	ppb	7.0287	0.3	10318.8
As 188.980	2101.72	ppb	0.7858	0.0	1001.86
B 249.678	1227.91	ppb	5.0366	0.4	16752.8
Ba 389.178	2034.01	ppb	3.4603	0.2	47285.5
Be 313.042	50.2852	ppb	0.0930	0.2	95099.9
Ca 370.602	256138	ppb	237.4	0.1	823088
Cd 226.502	49.0227	ppb	0.2189	0.4	2073.49
Co 228.615	499.518	ppb	1.4532	0.3	6768.16
Cr 267.716	199.880	ppb	0.3580	0.2	10577.4
Cu 324.754	264.219	ppb	0.2634	0.1	12738.2
Fe 271.441	1046.92	ppb	3.0109	0.3	2150.22
K 766.491	21500.2	ppb	75.0159	0.3	828980
Mg 279.078	6648.77	ppb	10.3041	0.2	15522.0
Mn 257.610	523.576	ppb	0.2068	0.0	140114
Mo 202.032	496.661	ppb	1.4847	0.3	4075.96
Na 330.237	63351.9	ppb	248.442	0.4	3511.24
Ni 231.604	490.506	ppb	0.3670	0.1	1516.25
Pb 220.353	473.096	ppb	2.4258	0.5	1013.79
Sb 206.834	488.134	ppb	1.9740	0.4	600.897
Se 196.026	1955.46	ppb	7.0510	0.4	1093.48
Sn 189.925	989.302	ppb	3.3694	0.3	991.625
Sr 216.596	4588.26	ppb	6.5104	0.1	59033.5
Ti 334.941	978.676	ppb	0.3988	0.0	300751
Tl 190.794	1952.15	ppb	5.2161	0.3	2151.70
V 292.401	481.143	ppb	0.3606	0.1	13988.2
Zn 206.200	559.594	ppb	2.5693	0.5	910.869



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89980-a-1-b ms (Samp)**      **5/8/2013, 8:52:37 AM**      **Rack 4, Tube 4**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.4478	50.0338	49.7088
Al 308.215	5139.88	5156.72	5179.50
As 188.980	103.965	105.293	117.061
B 249.678	461.752	463.165	466.707
Ba 389.178	111.648	112.338	112.193
Be 313.042	50.6151	50.8725	50.9686
Ca 370.602	263140	263978	263984
Cd 226.502	48.5555	48.9123	49.2150
Co 228.615	49.0713	49.6353	49.0734
Cr 267.716	99.4466	99.5987	99.6873
Cu 324.754	108.214	109.103	108.903
Fe 271.441	4746.81	4757.15	4763.10
K 766.491	21711.6	21891.7	21921.2
Mg 279.078	6520.05	6530.53	6548.78
Mn 257.610	517.213	518.230	519.372
Mo 202.032	95.9313	96.9774	96.4050
Na 330.237	65062.3	65278.8	65344.8
Ni 231.604	98.8189	100.116	98.7092
Pb 220.353	47.2373	49.8162	46.8696
Sb 206.834	52.2475	56.0260	47.7809
Se 196.026	93.6365	101.350	101.285
Sn 189.925	186.004	187.021	191.436
Sr 216.596	4282.83	4300.27	4304.06
Ti 334.941	96.2275	96.4121	96.7032
Tl 190.794	33.9337	40.7716	36.6936
V 292.401	96.1732	97.2168	96.7004
Zn 206.200	175.547	177.801	175.916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7302	ppb	0.2936	0.6	3793.34
Al 308.215	5158.70	ppb	19.8809	0.4	24018.6
As 188.980	108.773	ppb	7.2086	6.6	47.0728
B 249.678	463.875	ppb	2.5530	0.6	6414.52
Ba 389.178	112.060	ppb	0.3636	0.3	2633.70
Be 313.042	50.8187	ppb	0.1828	0.4	96195.3
Ca 370.602	263700	ppb	485.7	0.2	846916
Cd 226.502	48.8943	ppb	0.3301	0.7	2081.87
Co 228.615	49.2600	ppb	0.3250	0.7	672.372
Cr 267.716	99.5775	ppb	0.1217	0.1	5281.72
Cu 324.754	108.740	ppb	0.4663	0.4	5396.58
Fe 271.441	4755.69	ppb	8.2397	0.2	8989.08
K 766.491	21841.5	ppb	113.480	0.5	842133
Mg 279.078	6533.12	ppb	14.5387	0.2	15252.4
Mn 257.610	518.272	ppb	1.0800	0.2	138706
Mo 202.032	96.4379	ppb	0.5238	0.5	804.776
Na 330.237	65228.6	ppb	147.810	0.2	3622.52
Ni 231.604	99.2146	ppb	0.7823	0.8	302.145
Pb 220.353	47.9744	ppb	1.6056	3.3	131.398
Sb 206.834	52.0181	ppb	4.1273	7.9	68.0800
Se 196.026	98.7570	ppb	4.4346	4.5	66.5604
Sn 189.925	188.154	ppb	2.8879	1.5	178.620
Sr 216.596	4295.72	ppb	11.3199	0.3	55299.8
Ti 334.941	96.4476	ppb	0.2399	0.2	29626.0
Tl 190.794	37.1330	ppb	3.4400	9.3	24.4679
V 292.401	96.6968	ppb	0.5218	0.5	2799.10
Zn 206.200	176.421	ppb	1.2987	0.7	286.926

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89980-a-1-c msd (Samp)**      **5/8/2013, 8:58:05 AM**      **Rack 4, Tube 5**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.4220	49.5044	49.1535
Al 308.215	5147.07	5174.52	5196.98
As 188.980	103.801	113.375	107.422
B 249.678	454.037	452.821	456.117
Ba 389.178	113.398	112.867	113.419
Be 313.042	50.9019	51.1026	51.3239
Ca 370.602	257737	259397	260135
Cd 226.502	49.0865	49.1094	49.5312
Co 228.615	49.8763	50.0046	50.1385
Cr 267.716	99.9909	99.8674	100.642
Cu 324.754	107.887	109.016	110.907
Fe 271.441	4775.34	4779.36	4786.71
K 766.491	21574.4	21641.2	21634.4
Mg 279.078	6519.94	6539.63	6551.47
Mn 257.610	520.178	521.356	522.589
Mo 202.032	96.0406	95.6944	96.9640
Na 330.237	64659.0	64309.0	64464.0
Ni 231.604	100.650	98.6617	98.4903
Pb 220.353	48.1383	49.5279	50.1922
Sb 206.834	52.1219	49.0950	49.4079
Se 196.026	90.2303	92.2032	102.321
Sn 189.925	188.693	188.202	187.470
Sr 216.596	4234.25	4231.43	4243.15
Ti 334.941	96.7164	96.6774	96.8511
Tl 190.794	33.5243	34.4605	40.3824
V 292.401	96.8140	97.0856	97.7538
Zn 206.200	173.847	174.829	176.364

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.3600	ppb	0.1835	0.4	3766.27
Al 308.215	5172.86	ppb	24.9961	0.5	24084.3
As 188.980	108.199	ppb	4.8344	4.5	46.7682
B 249.678	454.325	ppb	1.6667	0.4	6285.33
Ba 389.178	113.228	ppb	0.3128	0.3	2660.88
Be 313.042	51.1095	ppb	0.2111	0.4	96745.9
Ca 370.602	259090	ppb	1228	0.5	832100
Cd 226.502	49.2424	ppb	0.2504	0.5	2096.39
Co 228.615	50.0064	ppb	0.1311	0.3	682.464
Cr 267.716	100.167	ppb	0.4162	0.4	5312.85
Cu 324.754	109.270	ppb	1.5262	1.4	5421.61
Fe 271.441	4780.47	ppb	5.7665	0.1	9035.44
K 766.491	21616.7	ppb	36.7632	0.2	833469
Mg 279.078	6537.01	ppb	15.9281	0.2	15261.4
Mn 257.610	521.374	ppb	1.2053	0.2	139536
Mo 202.032	96.2330	ppb	0.6563	0.7	803.098
Na 330.237	64477.4	ppb	175.380	0.3	3581.55
Ni 231.604	99.2675	ppb	1.2007	1.2	302.310
Pb 220.353	49.2861	ppb	1.0481	2.1	134.126
Sb 206.834	50.2083	ppb	1.6646	3.3	65.8540
Se 196.026	94.9183	ppb	6.4868	6.8	64.4383
Sn 189.925	188.122	ppb	0.6153	0.3	178.585
Sr 216.596	4236.28	ppb	6.1168	0.1	54534.7
Ti 334.941	96.7483	ppb	0.0911	0.1	29718.5
Tl 190.794	36.1224	ppb	3.7188	10.3	23.3399
V 292.401	97.2178	ppb	0.4836	0.5	2814.31
Zn 206.200	175.013	ppb	1.2688	0.7	284.631

680-89996-h-1-a (Samp) 5/8/2013, 9:03:44 AM Rack 4, Tube 6  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2771u	-0.3019u	0.2769
Al 308.215	49.6824	48.9027	50.5793
As 188.980	-4.3905u	4.2305	8.1907
B 249.678	71.6921	70.9146	70.7419
Ba 389.178	58.9483	58.1122	59.6673
Be 313.042	0.0041	-0.0054u	-0.0007
Ca 370.602	33569	33647	33622
Cd 226.502	-0.1397u	0.0133	-0.0369
Co 228.615	0.4159	1.0016	0.9331
Cr 267.716	-0.0476u	0.0876	-0.0626u
Cu 324.754	5.0778	5.5328	5.3393
Fe 271.441	953.144	952.229	962.841
K 766.491	6894.22	6906.94	6872.40
Mg 279.078	5881.51	5870.85	5880.74
Mn 257.610	95.1046	95.1082	95.1904
Mo 202.032	7.4728	6.9843	6.8198
Na 330.237	19577.0	19508.3	19389.4
Ni 231.604	2.0673	2.2095	3.0708
Pb 220.353	3.1482	2.4411	1.8977
Sb 206.834	0.1136	5.7975	0.1961
Se 196.026	-6.2019u	-5.7349u	-2.5788u
Sn 189.925	3.2477	0.9121	1.9265
Sr 216.596	173.530	173.716	173.175
Ti 334.941	0.8624	0.8423	0.8361
Tl 190.794	0.2316	-0.2445u	-0.1270u
V 292.401	0.1643	0.0953	0.0348u
Zn 206.200	34.1217	35.9065	34.5968

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1007	ppb	0.3273	324.9	-37.3413
Al 308.215	49.7214	ppb	0.8390	1.7	303.790
As 188.980	2.6769	ppb	6.4329	240.3	-5.2318
B 249.678	71.1162	ppb	0.5062	0.7	1107.67
Ba 389.178	58.9093	ppb	0.7783	1.3	1391.01
Be 313.042	-0.0007	ppb	0.0048	719.4	-370.443
Ca 370.602	33613	ppb	39.82	0.1	107929
Cd 226.502	-0.0544	ppb	0.0780	143.3	38.5517
Co 228.615	0.7836	ppb	0.3202	40.9	17.8049
Cr 267.716	-0.0075	ppb	0.0828	1099.5	18.1666
Cu 324.754	5.3166	ppb	0.2284	4.3	514.454
Fe 271.441	956.071	ppb	5.8807	0.6	1891.47
K 766.491	6891.19	ppb	17.4682	0.3	265954
Mg 279.078	5877.70	ppb	5.9474	0.1	13733.5
Mn 257.610	95.1344	ppb	0.0486	0.1	25565.4
Mo 202.032	7.0923	ppb	0.3396	4.8	74.8035
Na 330.237	19491.5	ppb	94.9151	0.5	1131.38
Ni 231.604	2.4492	ppb	0.5430	22.2	1.7809
Pb 220.353	2.4957	ppb	0.6270	25.1	36.8440
Sb 206.834	2.0357	ppb	3.2581	160.0	6.0486
Se 196.026	-4.8386	ppb	1.9709	40.7	9.1191
Sn 189.925	2.0288	ppb	1.1712	57.7	-10.3994
Sr 216.596	173.474	ppb	0.2748	0.2	2255.82
Ti 334.941	0.8469	ppb	0.0138	1.6	246.088
Tl 190.794	-0.0466	ppb	0.2480	531.8	-15.9518
V 292.401	0.0982	ppb	0.0648	66.0	-7.3385
Zn 206.200	34.8750	ppb	0.9244	2.7	56.0541

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-90006-c-3-a (Samp)**                      **5/8/2013, 9:09:13 AM**                      **Rack 4, Tube 7**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4148u	-0.3110u	-0.6500u
Al 308.215	336.338	336.903	334.360
As 188.980	23.9741	16.6121	21.9501
B 249.678	1946.77	1955.90	1966.51
Ba 389.178	15.4884	16.9122	15.4564
Be 313.042	0.3611u	0.3669u	0.3781u
Ca 370.602	26080	26084	26109
Cd 226.502	1.2971	1.2417	1.1134
Co 228.615	1.5692	1.1730	1.0189
Cr 267.716	0.8778	0.9551	0.8259
Cu 324.754	12.8468	13.1755	12.6285
Fe 271.441	151.715	147.231	143.626
K 766.491	50155.2x	50101.2x	50082.6x
Mg 279.078	2550.48	2560.92	2561.17
Mn 257.610	11.1144	11.0797	11.0706
Mo 202.032	175.036	176.921	177.248
Na 330.237	6501253x	6397898x	6438368x
Ni 231.604	2.6025	3.0871	3.2943
Pb 220.353	3.0685	2.6067	4.4074
Sb 206.834	3.0468	3.0838	3.4805
Se 196.026	42.9784	18.0618	28.0883
Sn 189.925	9.9465	13.0731	10.6468
Sr 216.596	74.1172	74.6037	74.5502
Ti 334.941	5.8551	5.8893	5.8691
Tl 190.794	-5.1867u	-4.1926u	-3.1614u
V 292.401	2.2036u	1.6808u	1.5763u
Zn 206.200	43.7776	44.4760	44.2623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4586b	ppb	0.1737	37.9	-61.7511
Al 308.215	335.867b	ppb	1.3350	0.4	1650.08
As 188.980	20.8454b	ppb	3.8033	18.2	3.3924
B 249.678	1956.39b	ppb	9.8802	0.5	26606.7
Ba 389.178	15.9523b	ppb	0.8314	5.2	383.987
Be 313.042	0.3687b	ppb	0.0086	2.3	-450.333
Ca 370.602	26091b	ppb	15.96	0.1	83827
Cd 226.502	1.2174b	ppb	0.0942	7.7	48.2986
Co 228.615	1.2537b	ppb	0.2839	22.6	17.5354
Cr 267.716	0.8863b	ppb	0.0650	7.3	190.709
Cu 324.754	12.8836b	ppb	0.2754	2.1	875.753
Fe 271.441	147.524b	ppb	4.0528	2.7	383.335
K 766.491	50113.0xb	ppb	37.6926	0.1	1931707
Mg 279.078	2557.52b	ppb	6.1019	0.2	5998.29
Mn 257.610	11.0882b	ppb	0.0231	0.2	3022.42
Mo 202.032	176.402b	ppb	1.1939	0.7	1458.94
Na 330.237	6445840xb	ppb	52080.8	0.8	351621
Ni 231.604	2.9946b	ppb	0.3550	11.9	3.4537
Pb 220.353	3.3609b	ppb	0.9353	27.8	38.3365
Sb 206.834	3.2037b	ppb	0.2405	7.5	4.5975
Se 196.026	29.7095b	ppb	12.5371	42.2	28.1990
Sn 189.925	11.2221b	ppb	1.6408	14.6	1.7125
Sr 216.596	74.4237b	ppb	0.2668	0.4	972.906
Ti 334.941	5.8711b	ppb	0.0172	0.3	1224.09
Tl 190.794	-4.1803b	ppb	1.0127	24.2	-20.4426
V 292.401	1.8202b	ppb	0.3361	18.5	-47.6266
Zn 206.200	44.1720b	ppb	0.3579	0.8	5811090

680-90006-c-5-a (Samp) 5/8/2013, 9:14:41 AM Rack 4, Tube 8  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3344u	-0.1776u	-0.1426u
Al 308.215	4191.45	4213.12	4193.22
As 188.980	9.2629	6.7267	-1.9224u
B 249.678	104.747	103.457	102.603
Ba 389.178	27.3507	28.0929	27.8921
Be 313.042	0.5450	0.5519	0.5447
Ca 370.602	22025	22104	22053
Cd 226.502	0.2105	0.1360	0.4061
Co 228.615	27.7210	28.3832	28.1096
Cr 267.716	0.0489	-0.0543	0.2947
Cu 324.754	5.2425	5.5908	5.5167
Fe 271.441	4583.41	4591.78	4576.49
K 766.491	4293.90	4283.11	4286.94
Mg 279.078	10685.4	10684.6	10637.6
Mn 257.610	408.918	408.948	407.862
Mo 202.032	0.1642	0.3204	-0.2176u
Na 330.237	106300x	105878x	105747x
Ni 231.604	16.4581	17.0705	15.7548
Pb 220.353	3.3664	4.2251	6.2851
Sb 206.834	0.8270	0.2567	-2.3021u
Se 196.026	-5.7852u	-6.3254u	5.4371
Sn 189.925	-1.6004u	1.2826	1.0264
Sr 216.596	146.972	146.312	146.065
Ti 334.941	-0.0699	-0.0817	-0.0433
Tl 190.794	-0.8789u	3.4161	-1.1683u
V 292.401	0.0432	0.0492	0.1969
Zn 206.200	83.7236	85.1897	83.0843

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2182b	ppb	0.1022	46.8	-44.0091
Al 308.215	4199.26b	ppb	12.0348	0.3	19557.5
As 188.980	4.6891b	ppb	5.8645	125.1	-4.3715
B 249.678	103.602b	ppb	1.0798	1.0	1542.12
Ba 389.178	27.7786b	ppb	0.3839	1.4	685.408
Be 313.042	0.5472b	ppb	0.0041	0.7	657.127
Ca 370.602	22061b	ppb	40.30	0.2	70522
Cd 226.502	0.2508b	ppb	0.1395	55.6	64.3003
Co 228.615	28.0713b	ppb	0.3327	1.2	386.704
Cr 267.716	0.0965b	ppb	0.1793	185.9	27.8360
Cu 324.754	5.4500b	ppb	0.1835	3.4	521.575
Fe 271.441	4583.89b	ppb	7.6556	0.2	8663.91
K 766.491	4287.98b	ppb	5.4698	0.1	165628
Mg 279.078	10669.2b	ppb	27.3624	0.3	24892.3
Mn 257.610	408.576b	ppb	0.6185	0.2	109415
Mo 202.032	0.0890b	ppb	0.2768	310.9	17.3468
Na 330.237	105975xb	ppb	288.950	0.3	5846.37
Ni 231.604	16.4278b	ppb	0.6584	4.0	45.2484
Pb 220.353	4.6255b	ppb	1.5000	32.4	41.4523
Sb 206.834	-0.4061b	ppb	1.6665	410.3	3.2643
Se 196.026	-2.2245b	ppb	6.6407	298.5	10.6758
Sn 189.925	0.2362b	ppb	1.5957	675.5	-12.1871
Sr 216.596	146.450b	ppb	0.4687	0.3	1909.09
Ti 334.941	-0.0650b	ppb	0.0197	30.3	-17.2004
Tl 190.794	0.4563b	ppb	2.5674	562.7	-16.0936
V 292.401	0.0964b	ppb	0.0871	90.3	-6.6052
Zn 206.200	83.9992b	ppb	1.0794	1.3	136.550

680-90011-a-1-a (Samp) 5/8/2013, 9:20:09 AM Rack 4, Tube 9  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2361u	-0.3887u	-0.3258u
Al 308.215	16.4305	15.6418	15.7323
As 188.980	12.0882	11.4643	12.9750
B 249.678	34.0329	33.8807	33.5048
Ba 389.178	3.2555	4.0874	4.1497
Be 313.042	-0.0168u	-0.0134u	-0.0133u
Ca 370.602	50423	50436	50336
Cd 226.502	0.7452	0.7360	0.6299
Co 228.615	7.7714	6.9902	7.0284
Cr 267.716	1.2011	1.1331	1.2724
Cu 324.754	198.940	200.088	197.684
Fe 271.441	22.9360	26.2871	26.8312
K 766.491	3962.61	3964.27	3978.17
Mg 279.078	5614.66	5600.11	5608.37
Mn 257.610	877.560	879.428	876.797
Mo 202.032	2.3352	2.1191	3.2761
Na 330.237	111133x	110989x	111244x
Ni 231.604	65.6061	65.4635	63.9544
Pb 220.353	1.6145	-0.1017	0.6024
Sb 206.834	5.5642	5.8317	3.1469
Se 196.026	0.4769	6.4102	-2.7194u
Sn 189.925	-0.1956u	2.4062	1.4702
Sr 216.596	106.781	107.322	107.565
Ti 334.941	0.1340	0.1507	0.1536
Tl 190.794	2.2929	0.9915u	5.5972
V 292.401	13.9168	13.9881	14.3062
Zn 206.200	90.0431	91.3589	88.1319

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3169b	ppb	0.0767	24.2	-47.6501
Al 308.215	15.9348b	ppb	0.4316	2.7	146.327
As 188.980	12.1759b	ppb	0.7592	6.2	-0.5613
B 249.678	33.8061b	ppb	0.2718	0.8	604.309
Ba 389.178	3.8309b	ppb	0.4992	13.0	109.297
Be 313.042	-0.0145b	ppb	0.0020	13.8	-401.259
Ca 370.602	50398b	ppb	54.10	0.1	161959
Cd 226.502	0.7037b	ppb	0.0641	9.1	65.9361
Co 228.615	7.2633b	ppb	0.4404	6.1	105.574
Cr 267.716	1.2022b	ppb	0.0696	5.8	87.2021
Cu 324.754	198.904b	ppb	1.2025	0.6	9647.59
Fe 271.441	25.3515b	ppb	2.1094	8.3	156.378
K 766.491	3968.35b	ppb	8.5427	0.2	153309
Mg 279.078	5607.72b	ppb	7.2984	0.1	13090.4
Mn 257.610	877.928b	ppb	1.3539	0.2	234828
Mo 202.032	2.5768b	ppb	0.6152	23.9	37.9127
Na 330.237	111122xb	ppb	127.764	0.1	6128.76
Ni 231.604	65.0080b	ppb	0.9152	1.4	195.881
Pb 220.353	0.7051b	ppb	0.8627	122.4	33.3379
Sb 206.834	4.8476b	ppb	1.4789	30.5	9.5852
Se 196.026	1.3892b	ppb	4.6327	333.5	12.7747
Sn 189.925	1.2269b	ppb	1.3179	107.4	-11.1647
Sr 216.596	107.223b	ppb	0.4014	0.4	1404.13
Ti 334.941	0.1461b	ppb	0.0106	7.3	21.3841
Tl 190.794	2.9605b	ppb	2.3743	80.2	-13.8235
V 292.401	14.0704b	ppb	0.2073	1.5	402.192
Zn 206.200	89.8446b	ppb	1.6227	1.8	145.561

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

700-76263-b-1-a (Samp) 5/8/2013, 9:25:36 AM Rack 4, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3755u	-0.3429u	0.0154
Al 308.215	28.3705	25.6968	25.0928
As 188.980	0.0037	6.6488	4.0370
B 249.678	10.2293	10.8333	10.6392
Ba 389.178	83.7727	82.2665	83.7150
Be 313.042	0.0905	0.0838	0.0842
Ca 370.602	1502	1501	1504
Cd 226.502	-0.0533u	0.0297	-0.0566u
Co 228.615	3.2122	2.5816	3.5038
Cr 267.716	0.0569	-0.0841u	-0.2836u
Cu 324.754	11.6535	11.1502	10.8909
Fe 271.441	38.2957	34.3342	34.5992
K 766.491	588.149	590.918	592.695
Mg 279.078	1970.09	1960.96	1969.29
Mn 257.610	104.037	104.179	104.175
Mo 202.032	-0.8190u	-0.2996u	-0.0142u
Na 330.237	6120.52	6101.74	6172.00
Ni 231.604	5.5712	6.4641	4.5618
Pb 220.353	7.3414	6.0024	8.2270
Sb 206.834	0.5488	4.7060	4.1414
Se 196.026	1.7521	-5.9462u	-0.6612u
Sn 189.925	3.2186	2.8953	-0.2602u
Sr 216.596	17.1977	17.1583	17.1714
Ti 334.941	0.2198	0.2446	0.1887
Tl 190.794	-0.2394u	-0.0781u	1.3221
V 292.401	-0.4757u	0.2112	-0.1723u
Zn 206.200	8.1992	7.5201	8.0808

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2344	ppb	0.2169	92.6	-40.3126
Al 308.215	26.3867	ppb	1.7443	6.6	194.712
As 188.980	3.5632	ppb	3.3478	94.0	-5.0105
B 249.678	10.5673	ppb	0.3084	2.9	289.989
Ba 389.178	83.2514	ppb	0.8534	1.0	1944.97
Be 313.042	0.0861	ppb	0.0038	4.4	-213.744
Ca 370.602	1502	ppb	1.802	0.1	4835
Cd 226.502	-0.0268	ppb	0.0489	182.7	36.2871
Co 228.615	3.0992	ppb	0.4713	15.2	49.4052
Cr 267.716	-0.1036	ppb	0.1711	165.1	12.6312
Cu 324.754	11.2315	ppb	0.3878	3.5	793.072
Fe 271.441	35.7430	ppb	2.2146	6.2	174.945
K 766.491	590.588	ppb	2.2911	0.4	23131.6
Mg 279.078	1966.78	ppb	5.0565	0.3	4620.20
Mn 257.610	104.130	ppb	0.0811	0.1	27930.1
Mo 202.032	-0.3776	ppb	0.4080	108.1	13.7907
Na 330.237	6131.42	ppb	36.3768	0.6	403.286
Ni 231.604	5.5324	ppb	0.9518	17.2	11.3255
Pb 220.353	7.1903	ppb	1.1200	15.6	46.6191
Sb 206.834	3.1321	ppb	2.2549	72.0	7.5019
Se 196.026	-1.6184	ppb	3.9374	243.3	10.8965
Sn 189.925	1.9513	ppb	1.9220	98.5	-10.5005
Sr 216.596	17.1758	ppb	0.0200	0.1	241.325
Ti 334.941	0.2177	ppb	0.0280	12.9	34.3770
Tl 190.794	0.3348	ppb	0.8588	256.5	-15.4851
V 292.401	-0.1456	ppb	0.3442	236.4	-12.8524
Zn 206.200	7.9334	ppb	0.3627	4.6	12.0280

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

700-76263-b-2-a (Samp) 5/8/2013, 9:31:04 AM Rack 4, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4019u	-0.2180u	-0.1298u
Al 308.215	20.8716	21.3768	16.7956
As 188.980	8.1439	-4.2862u	8.2609
B 249.678	8.5998	8.6254	8.1524
Ba 389.178	76.4165	77.2769	77.9023
Be 313.042	0.0218	0.0280	0.0261
Ca 370.602	1623	1613	1630
Cd 226.502	-0.1006u	-0.2318u	-0.0698u
Co 228.615	-0.2404u	0.7954	0.1799
Cr 267.716	-0.2417u	-0.0280u	-0.1160u
Cu 324.754	0.8146	0.7490	0.7429
Fe 271.441	9.0389	1.6883	12.6281
K 766.491	606.227	606.556	614.774
Mg 279.078	2017.78	2012.58	2030.57
Mn 257.610	4.4117	4.3727	4.4540
Mo 202.032	-0.2450u	-0.3047u	-0.3725u
Na 330.237	6320.34	6193.87	6307.50
Ni 231.604	-0.7672u	-1.5962u	0.4270
Pb 220.353	1.6775	1.6214	2.6957
Sb 206.834	4.7237	1.4098	6.9676
Se 196.026	-5.2003u	3.7229	4.6818
Sn 189.925	1.6419	1.5799	1.7011
Sr 216.596	19.3865	18.4159	18.3659
Ti 334.941	-0.0194	-0.0207	0.0021
Tl 190.794	1.2560	-1.3905u	-1.0688u
V 292.401	-0.1261u	-0.0567u	-0.0292u
Zn 206.200	3.4151	3.1690	2.8447

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2499	ppb	0.1388	55.5	-42.1395
Al 308.215	19.6814	ppb	2.5118	12.8	163.600
As 188.980	4.0395	ppb	7.2105	178.5	-4.7813
B 249.678	8.4592	ppb	0.2660	3.1	261.518
Ba 389.178	77.1985	ppb	0.7460	1.0	1804.44
Be 313.042	0.0253	ppb	0.0032	12.5	-329.228
Ca 370.602	1622	ppb	8.837	0.5	5219
Cd 226.502	-0.1341	ppb	0.0860	64.2	31.7265
Co 228.615	0.2449	ppb	0.5209	212.7	10.8241
Cr 267.716	-0.1286	ppb	0.1074	83.5	10.8329
Cu 324.754	0.7689	ppb	0.0398	5.2	299.425
Fe 271.441	7.7851	ppb	5.5766	71.6	122.308
K 766.491	609.186	ppb	4.8425	0.8	23848.4
Mg 279.078	2020.31	ppb	9.2583	0.5	4746.69
Mn 257.610	4.4128	ppb	0.0406	0.9	1272.57
Mo 202.032	-0.3074	ppb	0.0638	20.8	14.3661
Na 330.237	6273.90	ppb	69.6073	1.1	411.110
Ni 231.604	-0.6455	ppb	1.0171	157.6	-7.8454
Pb 220.353	1.9982	ppb	0.6047	30.3	35.7977
Sb 206.834	4.3670	ppb	2.7960	64.0	9.0242
Se 196.026	1.0681	ppb	5.4498	510.2	12.3546
Sn 189.925	1.6410	ppb	0.0606	3.7	-10.8152
Sr 216.596	18.7228	ppb	0.5753	3.1	261.333
Ti 334.941	-0.0126	ppb	0.0128	101.2	-36.1566
Tl 190.794	-0.4011	ppb	1.4441	360.0	-16.1395
V 292.401	-0.0707	ppb	0.0499	70.6	-10.6625
Zn 206.200	3.1429	ppb	0.2861	9.1	4.2150



E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

700-76263-b-3-a (Samp) 5/8/2013, 9:38:00 AM Rack 4, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0873u	-0.1575u	-0.1267u
Al 308.215	41.9824	42.9068	39.7469
As 188.980	2.1218	5.8151	-4.0084u
B 249.678	5.9796	5.3005	5.3859
Ba 389.178	7.7197	9.8685	9.9902
Be 313.042	-0.0037u	-0.0061u	0.0029
Ca 370.602	17727	17868	17877
Cd 226.502	-0.1965u	-0.0357u	-0.2614u
Co 228.615	-0.0749u	-0.1941u	0.2959
Cr 267.716	-0.0208u	-0.0677u	0.0087
Cu 324.754	2.7629	2.7159	2.5822
Fe 271.441	19.8097	24.9902	16.1644
K 766.491	478.860	482.939	482.621
Mg 279.078	933.239	935.552	941.231
Mn 257.610	1.6533	1.6323	1.6370
Mo 202.032	-0.2643u	-0.4217u	-0.2101u
Na 330.237	2576.76	2563.16	2522.02
Ni 231.604	0.7861	-0.9468u	1.2222
Pb 220.353	-0.3214u	1.4377	-1.5313u
Sb 206.834	-0.8032u	0.5865	-0.7423u
Se 196.026	0.9994	-3.2429u	-1.0929u
Sn 189.925	4.2265	-0.2411u	-0.3845u
Sr 216.596	15.5553	15.0453	15.9025
Ti 334.941	0.9498	0.9792	0.9396
Tl 190.794	2.2548	1.7122	-0.5712u
V 292.401	-0.0154u	0.2621	0.1842
Zn 206.200	2.2846	1.9729	3.4204

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1238	ppb	0.0352	28.4	-31.8056
Al 308.215	41.5454	ppb	1.6247	3.9	265.046
As 188.980	1.3095	ppb	4.9618	378.9	-5.9827
B 249.678	5.5553	ppb	0.3699	6.7	222.223
Ba 389.178	9.1928	ppb	1.2772	13.9	221.604
Be 313.042	-0.0023	ppb	0.0047	201.7	-375.446
Ca 370.602	17824	ppb	84.20	0.5	57273
Cd 226.502	-0.1645	ppb	0.1162	70.6	30.5273
Co 228.615	0.0090	ppb	0.2556	2848.9	7.6650
Cr 267.716	-0.0266	ppb	0.0385	144.7	16.1374
Cu 324.754	2.6870	ppb	0.0937	3.5	389.927
Fe 271.441	20.3214	ppb	4.4351	21.8	145.656
K 766.491	481.473	ppb	2.2690	0.5	18926.4
Mg 279.078	936.674	ppb	4.1123	0.4	2221.71
Mn 257.610	1.6409	ppb	0.0110	0.7	521.649
Mo 202.032	-0.2987	ppb	0.1099	36.8	14.4359
Na 330.237	2553.98	ppb	28.5028	1.1	208.218
Ni 231.604	0.3538	ppb	1.1473	324.2	-4.7441
Pb 220.353	-0.1383	ppb	1.4929	1079.3	31.3547
Sb 206.834	-0.3197	ppb	0.7854	245.7	3.2399
Se 196.026	-1.1121	ppb	2.1212	190.7	11.1480
Sn 189.925	1.2003	ppb	2.6218	218.4	-11.2557
Sr 216.596	15.5010	ppb	0.4312	2.8	221.865
Ti 334.941	0.9562	ppb	0.0206	2.2	256.550
Tl 190.794	1.1319	ppb	1.4997	132.5	-14.4332
V 292.401	0.1436	ppb	0.1431	99.6	-4.3504
Zn 206.200	2.5593	ppb	0.7618	29.8	3.2649

Cont Calib Verif (CCV) 5/8/2013, 9:43:28 AM Rack 4, Tube 13  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	477.985	469.698	477.936
Al 308.215	4759.92	4730.42	4741.38
As 188.980	465.952	477.998	483.633
B 249.678	485.865	482.743	492.174
Ba 389.178	5010.83	4977.23	5000.38
Be 313.042	501.564	497.646	499.526
Ca 370.602	4892	4858	4873
Cd 226.502	489.378	486.694	489.655
Co 228.615	501.289	501.000	501.807
Cr 267.716	5003.43	4979.48	4998.25
Cu 324.754	4938.08	4922.76	4987.19
Fe 271.441	4793.47	4767.98	4795.50
K 766.491	10031.4	9995.35	9967.05
Mg 279.078	4795.25	4768.13	4796.95
Mn 257.610	5092.60	5043.80	5078.64
Mo 202.032	478.741	476.630	478.479
Na 330.237	6803.10	6935.98	6957.92
Ni 231.604	2482.11	2468.30	2486.09
Pb 220.353	473.865	471.510	470.696
Sb 206.834	952.731	939.263	949.640
Se 196.026	4725.03	4691.82	4730.13
Sn 189.925	4801.45	4782.54	4828.42
Sr 216.596	2428.62	2416.09	2437.12
Ti 334.941	483.769	480.977	482.850
Tl 190.794	4825.01	4788.86	4830.40
V 292.401	4807.65	4773.76	4797.58
Zn 206.200	2490.26	2484.02	2496.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.206	ppb	4.7702	1.0	38351.0	95.04120
Al 308.215	4743.91	ppb	14.9124	0.3	22067.7	94.87814
As 188.980	475.861	ppb	9.0324	1.9	221.167	95.17221
B 249.678	486.927	ppb	4.8043	1.0	6726.13	19.47709Q
Ba 389.178	4996.15	ppb	17.1956	0.3	116117	99.92295
Be 313.042	499.579	ppb	1.9595	0.4	948091	99.91577
Ca 370.602	4874	ppb	17.01	0.3	15549	97.48918
Cd 226.502	488.576	ppb	1.6355	0.3	20311.4	97.71510
Co 228.615	501.365	ppb	0.4088	0.1	6793.80	100.27303
Cr 267.716	4993.72	ppb	12.6015	0.3	263799	99.87447
Cu 324.754	4949.35	ppb	33.6606	0.7	233747	98.98692
Fe 271.441	4785.65	ppb	15.3351	0.3	9169.77	95.71307
K 766.491	9997.94	ppb	32.2625	0.3	385688	99.97940
Mg 279.078	4786.78	ppb	16.1741	0.3	11102.4	95.73550
Mn 257.610	5071.68	ppb	25.1338	0.5	1355972	101.43362
Mo 202.032	477.950	ppb	1.1509	0.2	3913.59	95.59001
Na 330.237	6899.00	ppb	83.7707	1.2	419.742	91.98669
Ni 231.604	2478.84	ppb	9.3362	0.4	7686.24	99.15345
Pb 220.353	472.024	ppb	1.6460	0.3	1013.22	94.40474
Sb 206.834	947.211	ppb	7.0546	0.7	1231.53	94.72115
Se 196.026	4715.66	ppb	20.8057	0.4	2621.44	94.31320
Sn 189.925	4804.14	ppb	23.0541	0.5	4862.79	96.08276
Sr 216.596	2427.28	ppb	10.5829	0.4	31171.5	97.09106
Ti 334.941	482.532	ppb	1.4227	0.3	148273	96.50644
Tl 190.794	4814.76	ppb	22.5873	0.5	5325.58	96.29517
V 292.401	4793.00	ppb	17.4036	0.4	140029	95.85992
Zn 206.200	2490.20	ppb	6.1510	0.2	4043.39	99.60818

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB)                      5/8/2013, 9:48:56 AM                      Rack 4, Tube 14  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2347u	0.2202	-0.0338u
Al 308.215	-2.2010u	-1.1727u	-5.4531u
As 188.980	2.3746	-2.4923u	1.9080
B 249.678	6.7281	5.7068	5.3088
Ba 389.178	-0.9426u	-0.3773u	-0.4933u
Be 313.042	0.0064	0.0008	-0.0036u
Ca 370.602	-1.877u	0.0752	2.597
Cd 226.502	-0.0693u	-0.0900u	-0.2882u
Co 228.615	0.3724	0.0281	0.1359
Cr 267.716	-0.2008u	-0.0945u	-0.3160u
Cu 324.754	-0.3608u	-0.5771u	0.1691
Fe 271.441	-0.2973u	-2.6383u	-6.3686u
K 766.491	-1.9274u	-2.1882u	-2.2458u
Mg 279.078	-5.6012u	-2.3656u	-2.8530u
Mn 257.610	-0.1565u	-0.1364u	-0.1212u
Mo 202.032	0.3070	0.4055	0.2794
Na 330.237	-238.605u	-214.310u	-67.0812u
Ni 231.604	0.1585	-0.4350u	1.3525
Pb 220.353	0.7958	-0.1521u	-1.8428u
Sb 206.834	5.1016	5.1946	5.6036
Se 196.026	1.2838	-2.0233u	4.3154
Sn 189.925	0.0536	-1.4579u	3.7851
Sr 216.596	0.2120	-0.0731u	0.2673
Ti 334.941	0.0496	-0.0160u	0.0759
Tl 190.794	4.1612	6.0412	3.1847
V 292.401	0.0611	-0.0450u	0.2482
Zn 206.200	1.2438	-0.0193u	0.4313

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0161	ppb	0.2280	1417.0	-22.3124	-0.01609
Al 308.215	-2.9423	ppb	2.2344	75.9	58.6744	-2.94227
As 188.980	0.5968	ppb	2.6854	450.0	-6.4416	0.59675
B 249.678	5.9146	ppb	0.7321	12.4	227.115	5.91457
Ba 389.178	-0.6044	ppb	0.2986	49.4	-8.5175	-0.60439
Be 313.042	0.0012	ppb	0.0050	416.9	-374.744	0.00121
Ca 370.602	0.2650	ppb	2.243	846.2	8.870	0.26504
Cd 226.502	-0.1492	ppb	0.1209	81.0	31.0738	-0.14917
Co 228.615	0.1788	ppb	0.1761	98.5	9.9113	0.17880
Cr 267.716	-0.2037	ppb	0.1107	54.4	6.7092	-0.20374
Cu 324.754	-0.2563	ppb	0.3840	149.8	251.068	-0.25626
Fe 271.441	-3.1014	ppb	3.0621	98.7	101.988	-3.10141
K 766.491	-2.1205	ppb	0.1697	8.0	288.855	-2.12045
Mg 279.078	-3.6066	ppb	1.7445	48.4	30.7637	-3.60661
Mn 257.610	-0.1380	ppb	0.0177	12.8	36.8896	-0.13802
Mo 202.032	0.3306	ppb	0.0663	20.1	19.5819	0.33062
Na 330.237	-173.332	ppb	92.8144	53.5	59.5052	-173.33217
Ni 231.604	0.3587	ppb	0.9104	253.8	-4.7297	0.35867
Pb 220.353	-0.3997	ppb	1.3366	334.4	30.8094	-0.39969
Sb 206.834	5.2999	ppb	0.2671	5.0	10.1658	5.29991
Se 196.026	1.1919	ppb	3.1704	266.0	12.4218	1.19195
Sn 189.925	0.7936	ppb	2.6987	340.1	-11.6788	0.79360
Sr 216.596	0.1354	ppb	0.1827	134.9	22.0188	0.13543
Ti 334.941	0.0365	ppb	0.0473	129.7	-30.5254	0.03648
Tl 190.794	4.4624	ppb	1.4519	32.5	-10.7303	4.46237
V 292.401	0.0881	ppb	0.1484	168.5	-6.0814	0.08808
Zn 206.200	0.5519	ppb	0.6401	116.0	0.0100	0.55193

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

700-76263-b-4-a (Samp) 5/8/2013, 9:54:24 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5907u	0.0895	-0.1104u
Al 308.215	37.6758	37.5017	37.6344
As 188.980	1.1849	6.2958	-4.4323u
B 249.678	8.1398	7.8773	7.0545
Ba 389.178	9.4943	8.9158	10.3917
Be 313.042	0.0066	0.0066	0.0083
Ca 370.602	13694	13713	13620
Cd 226.502	-0.1850u	-0.1917u	-0.1117u
Co 228.615	0.5762	-0.1012u	0.3712
Cr 267.716	0.0778	0.0802	-0.1369u
Cu 324.754	4.4800	3.3385	3.7325
Fe 271.441	26.7136	31.6314	34.8924
K 766.491	472.819	473.638	469.239
Mg 279.078	858.107	862.904	858.641
Mn 257.610	3.3030	3.2961	3.3208
Mo 202.032	0.1814	0.2753	-0.4262u
Na 330.237	2677.84	2951.28	2797.95
Ni 231.604	-0.9479u	0.4210	-0.7826u
Pb 220.353	2.1805	0.7498	0.5262
Sb 206.834	0.1412	4.8188	2.2606
Se 196.026	0.9971	4.2907	1.3555
Sn 189.925	1.3246	2.9953	-1.6167u
Sr 216.596	14.4981	13.7183	14.1894
Ti 334.941	1.3748	1.4273	1.4066
Tl 190.794	3.5773	2.7148	-0.2764u
V 292.401	-0.1146u	-0.0161u	-0.4614u
Zn 206.200	2.6599	2.1282	3.0733

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2039	ppb	0.3496	171.5	-38.2055
Al 308.215	37.6040	ppb	0.0909	0.2	246.791
As 188.980	1.0162	ppb	5.3660	528.1	-6.1506
B 249.678	7.6905	ppb	0.5662	7.4	251.087
Ba 389.178	9.6006	ppb	0.7437	7.7	230.896
Be 313.042	0.0071	ppb	0.0010	13.7	-359.002
Ca 370.602	13676	ppb	48.85	0.4	43946
Cd 226.502	-0.1628	ppb	0.0444	27.3	30.6356
Co 228.615	0.2821	ppb	0.3474	123.1	11.3589
Cr 267.716	0.0070	ppb	0.1247	1775.1	17.9347
Cu 324.754	3.8503	ppb	0.5798	15.1	444.826
Fe 271.441	31.0791	ppb	4.1173	13.2	165.768
K 766.491	471.899	ppb	2.3398	0.5	18557.4
Mg 279.078	859.884	ppb	2.6291	0.3	2042.76
Mn 257.610	3.3066	ppb	0.0128	0.4	966.217
Mo 202.032	0.0102	ppb	0.3808	3744.2	16.9608
Na 330.237	2809.02	ppb	137.056	4.9	222.119
Ni 231.604	-0.4365	ppb	0.7472	171.2	-7.1963
Pb 220.353	1.1521	ppb	0.8976	77.9	34.0373
Sb 206.834	2.4069	ppb	2.3422	97.3	6.6023
Se 196.026	2.2144	ppb	1.8070	81.6	12.9885
Sn 189.925	0.9011	ppb	2.3350	259.1	-11.5613
Sr 216.596	14.1353	ppb	0.3927	2.8	203.805
Ti 334.941	1.4029	ppb	0.0265	1.9	393.425
Tl 190.794	2.0052	ppb	2.0224	100.9	-13.4669
V 292.401	-0.1974	ppb	0.2339	118.5	-14.3970
Zn 206.200	2.6205	ppb	0.4738	18.1	233656

**700-76263-b-5-a (Samp)**                      **5/8/2013, 9:59:52 AM**                      **Rack 4, Tube 16**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1297	-0.0465u	-0.1094u
Al 308.215	26.2582	26.9494	26.7927
As 188.980	0.5617	4.7554	-2.8199u
B 249.678	6.0779	6.4090	5.6398
Ba 389.178	33.1263	33.6007	32.9432
Be 313.042	0.0075	0.0181	0.0166
Ca 370.602	1452	1455	1448
Cd 226.502	-0.1948u	0.0199	-0.1304u
Co 228.615	0.7069	0.7545	1.3496
Cr 267.716	-0.1069u	-0.1742u	-0.1766u
Cu 324.754	2.6737	2.8758	2.8993
Fe 271.441	6.3073	2.6466	7.5848
K 766.491	412.594	410.394	410.633
Mg 279.078	1753.62	1746.47	1751.01
Mn 257.610	6.7474	6.7297	6.7766
Mo 202.032	-0.3543u	-0.5080u	0.5034
Na 330.237	7818.26	7623.52	7517.23
Ni 231.604	0.3787	0.0056	0.0982
Pb 220.353	0.4282	1.4506	0.6244
Sb 206.834	0.5660	-2.0215u	4.2027
Se 196.026	-5.9357u	-1.1899u	-4.2005u
Sn 189.925	3.5113	1.4585	-2.9237u
Sr 216.596	16.4420	16.2951	16.6447
Ti 334.941	-0.0279u	-0.0659u	-0.0155
Tl 190.794	2.3094	-2.0846u	-0.8456u
V 292.401	0.0064	-0.2057u	-0.2044u
Zn 206.200	3.5655	4.4668	3.4398

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0087	ppb	0.1239	1420.3	-22.5172
Al 308.215	26.6668	ppb	0.3624	1.4	196.042
As 188.980	0.8324	ppb	3.7949	455.9	-6.3191
B 249.678	6.0422	ppb	0.3859	6.4	228.830
Ba 389.178	33.2234	ppb	0.3393	1.0	782.036
Be 313.042	0.0141	ppb	0.0057	40.7	-350.724
Ca 370.602	1452	ppb	3.478	0.2	4672
Cd 226.502	-0.1018	ppb	0.1102	108.2	33.0484
Co 228.615	0.9370	ppb	0.3581	38.2	20.1665
Cr 267.716	-0.1526	ppb	0.0396	25.9	9.6034
Cu 324.754	2.8163	ppb	0.1240	4.4	396.031
Fe 271.441	5.5129	ppb	2.5632	46.5	118.184
K 766.491	411.207	ppb	1.2071	0.3	16218.3
Mg 279.078	1750.37	ppb	3.6211	0.2	4117.65
Mn 257.610	6.7512	ppb	0.0237	0.4	1895.16
Mo 202.032	-0.1196	ppb	0.5450	455.6	15.9011
Na 330.237	7653.01	ppb	152.666	2.0	486.321
Ni 231.604	0.1608	ppb	0.1943	120.8	-5.3434
Pb 220.353	0.8344	ppb	0.5426	65.0	33.3780
Sb 206.834	0.9157	ppb	3.1268	341.4	4.7585
Se 196.026	-3.7754	ppb	2.4013	63.6	9.6763
Sn 189.925	0.6820	ppb	3.2870	481.9	-11.7878
Sr 216.596	16.4606	ppb	0.1756	1.1	232.185
Ti 334.941	-0.0364	ppb	0.0262	72.0	-44.9103
Tl 190.794	-0.2069	ppb	2.2655	1094.8	-15.9273
V 292.401	-0.1345	ppb	0.1221	90.8	-12.6033
Zn 206.200	3.8240	ppb	0.5692	14.6	5.3253

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700-76263-b-6-a (Samp) 5/8/2013, 10:05:20 AM Rack 4, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0091u	-0.2955u	-0.3493u
Al 308.215	21.8077	22.7169	22.6885
As 188.980	-8.9317u	-2.5954u	-6.0881u
B 249.678	5.2830	5.4560	5.3289
Ba 389.178	63.6053	63.7053	63.2612
Be 313.042	0.0298	0.0308	0.0291
Ca 370.602	1535	1541	1545
Cd 226.502	-0.1958u	-0.1192u	-0.1452u
Co 228.615	0.5926	0.7698	0.2662
Cr 267.716	-0.0486u	-0.2556u	-0.1907u
Cu 324.754	2.7338	2.8596	2.7338
Fe 271.441	8.7442	5.3325	3.2477
K 766.491	564.946	566.765	570.387
Mg 279.078	1927.05	1931.71	1937.11
Mn 257.610	14.5339	14.6304	14.6606
Mo 202.032	0.0071	-0.3982u	-0.0587u
Na 330.237	5387.00	5337.05	5684.00
Ni 231.604	1.2369	1.5604	2.1488
Pb 220.353	2.5782	2.1561	1.5781
Sb 206.834	-1.1439u	6.1662	2.9535
Se 196.026	6.1644	3.3777	6.3405
Sn 189.925	-0.3055u	2.0530	0.6869
Sr 216.596	17.4452	17.5515	17.9518
Ti 334.941	0.0026	-0.0389u	-0.0248
Tl 190.794	-0.6058u	1.8755	0.4005
V 292.401	-0.0586u	-0.1743u	-0.0466u
Zn 206.200	2.7142	3.4943	3.0717

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2180	ppb	0.1829	83.9	-39.4522
Al 308.215	22.4044	ppb	0.5169	2.3	176.250
As 188.980	-5.8717	ppb	3.1737	54.1	-9.5307
B 249.678	5.3560	ppb	0.0896	1.7	219.548
Ba 389.178	63.5240	ppb	0.2330	0.4	1486.51
Be 313.042	0.0299	ppb	0.0009	2.9	-320.410
Ca 370.602	1540	ppb	5.500	0.4	4957
Cd 226.502	-0.1534	ppb	0.0389	25.4	30.9270
Co 228.615	0.5429	ppb	0.2555	47.1	14.8456
Cr 267.716	-0.1649	ppb	0.1059	64.2	8.9449
Cu 324.754	2.7757	ppb	0.0726	2.6	394.115
Fe 271.441	5.7748	ppb	2.7748	48.0	118.605
K 766.491	567.366	ppb	2.7699	0.5	22236.7
Mg 279.078	1931.95	ppb	5.0351	0.3	4540.63
Mn 257.610	14.6083	ppb	0.0662	0.5	3997.36
Mo 202.032	-0.1499	ppb	0.2175	145.0	15.6532
Na 330.237	5469.35	ppb	187.563	3.4	367.230
Ni 231.604	1.6487	ppb	0.4623	28.0	-0.7265
Pb 220.353	2.1041	ppb	0.5021	23.9	36.0205
Sb 206.834	2.6586	ppb	3.6639	137.8	6.9121
Se 196.026	5.2942	ppb	1.6621	31.4	14.6949
Sn 189.925	0.8115	ppb	1.1841	145.9	-11.6574
Sr 216.596	17.6495	ppb	0.2672	1.5	247.472
Ti 334.941	-0.0204	ppb	0.0211	103.5	-38.8911
Tl 190.794	0.5567	ppb	1.2480	224.2	-15.0922
V 292.401	-0.0932	ppb	0.0705	75.7	-11.3434
Zn 206.200	3.0934	ppb	0.3995	12.9	41.343

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**700-76263-b-6-b ms (Samp)      5/8/2013, 10:10:47 AM      Rack 4, Tube 18****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.2781	47.6122	47.6946
Al 308.215	4673.57	4649.80	4623.90
As 188.980	102.679	93.7940	94.5530
B 249.678	187.741	187.366	188.756
Ba 389.178	164.490	163.872	164.659
Be 313.042	50.2854	50.0793	50.0185
Ca 370.602	6232	6200	6196
Cd 226.502	48.4910	48.7306	48.3952
Co 228.615	49.5955	49.3725	50.0952
Cr 267.716	98.5497	98.0624	98.4048
Cu 324.754	103.024	100.833	102.550
Fe 271.441	4650.96	4632.50	4629.22
K 766.491	5426.87	5407.75	5438.40
Mg 279.078	6681.93	6643.99	6673.40
Mn 257.610	520.375	518.133	519.326
Mo 202.032	94.2034	92.7731	92.5787
Na 330.237	10506.6	10357.6	10359.3
Ni 231.604	96.9320	95.8209	96.7560
Pb 220.353	49.5608	46.7637	46.5133
Sb 206.834	49.2289	42.4087	44.4942
Se 196.026	91.4325	88.5957	89.7363
Sn 189.925	183.734	189.521	187.094
Sr 216.596	113.538	113.246	113.397
Ti 334.941	94.1102	93.7431	94.0159
Tl 190.794	40.2459	36.3668	40.7710
V 292.401	94.9489	94.4226	95.4980
Zn 206.200	100.406	100.212	101.714

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.5283	ppb	0.2206	0.5	3820.53
Al 308.215	4649.09	ppb	24.8446	0.5	21653.6
As 188.980	97.0088	ppb	4.9254	5.1	39.7372
B 249.678	187.954	ppb	0.7193	0.4	2682.88
Ba 389.178	164.340	ppb	0.4143	0.3	3848.55
Be 313.042	50.1277	ppb	0.1399	0.3	94800.0
Ca 370.602	6209	ppb	20.01	0.3	19609
Cd 226.502	48.5390	ppb	0.1728	0.4	2067.05
Co 228.615	49.6877	ppb	0.3701	0.7	678.199
Cr 267.716	98.3390	ppb	0.2502	0.3	5215.21
Cu 324.754	102.136	ppb	1.1528	1.1	5084.89
Fe 271.441	4637.56	ppb	11.7190	0.3	8768.76
K 766.491	5424.34	ppb	15.4779	0.3	209423
Mg 279.078	6666.44	ppb	19.9040	0.3	15563.1
Mn 257.610	519.278	ppb	1.1217	0.2	138973
Mo 202.032	93.1851	ppb	0.8873	1.0	778.195
Na 330.237	10407.8	ppb	85.5516	0.8	633.290
Ni 231.604	96.5030	ppb	0.5972	0.6	293.728
Pb 220.353	47.6126	ppb	1.6918	3.6	130.641
Sb 206.834	45.3773	ppb	3.4948	7.7	59.9127
Se 196.026	89.9215	ppb	1.4274	1.6	61.6730
Sn 189.925	186.783	ppb	2.9055	1.6	177.072
Sr 216.596	113.394	ppb	0.1463	0.1	1476.30
Ti 334.941	93.9564	ppb	0.1906	0.2	28865.8
Tl 190.794	39.1279	ppb	2.4055	6.1	26.6894
V 292.401	94.9565	ppb	0.5378	0.6	2749.31
Zn 206.200	100.777	ppb	0.8166	0.8	163.595

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**700-76263-b-6-c msd (Samp) 5/8/2013, 10:16:27 AM Rack 4, Tube 19****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.8776	46.5080	47.5310
Al 308.215	4680.05	4674.31	4652.03
As 188.980	97.8599	100.014	102.746
B 249.678	190.740	191.445	193.797
Ba 389.178	165.043	166.559	167.154
Be 313.042	50.3036	50.4721	50.3225
Ca 370.602	6264	6277	6253
Cd 226.502	48.7303	48.7004	48.5732
Co 228.615	50.2195	49.8759	49.8383
Cr 267.716	98.4164	99.0422	99.4424
Cu 324.754	103.390	103.151	102.159
Fe 271.441	4656.02	4672.95	4669.66
K 766.491	5433.74	5474.80	5450.41
Mg 279.078	6721.94	6732.47	6745.57
Mn 257.610	520.106	521.581	522.102
Mo 202.032	93.2392	94.2368	93.4272
Na 330.237	10657.1	10517.7	10532.7
Ni 231.604	96.4638	96.9356	96.3526
Pb 220.353	50.5685	48.4762	46.1442
Sb 206.834	47.3740	48.3312	48.8739
Se 196.026	85.9877	95.1909	90.6473
Sn 189.925	190.259	183.379	186.966
Sr 216.596	114.779	113.820	114.974
Ti 334.941	94.1144	94.4827	94.6994
Tl 190.794	37.2560	38.3144	37.3919
V 292.401	95.0904	95.2524	95.4592
Zn 206.200	99.9438	102.548	102.170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.3056	ppb	0.7121	1.5	3802.49
Al 308.215	4668.80	ppb	14.7977	0.3	21745.0
As 188.980	100.207	ppb	2.4489	2.4	41.2695
B 249.678	191.994	ppb	1.6006	0.8	2737.47
Ba 389.178	166.252	ppb	1.0885	0.7	3893.19
Be 313.042	50.3661	ppb	0.0923	0.2	95252.5
Ca 370.602	6265	ppb	12.29	0.2	19784
Cd 226.502	48.6680	ppb	0.0834	0.2	2072.51
Co 228.615	49.9779	ppb	0.2101	0.4	682.125
Cr 267.716	98.9670	ppb	0.5171	0.5	5248.40
Cu 324.754	102.900	ppb	0.6526	0.6	5120.96
Fe 271.441	4666.21	ppb	8.9771	0.2	8822.27
K 766.491	5452.98	ppb	20.6519	0.4	210527
Mg 279.078	6733.33	ppb	11.8377	0.2	15719.0
Mn 257.610	521.263	ppb	1.0354	0.2	139504
Mo 202.032	93.6344	ppb	0.5301	0.6	781.866
Na 330.237	10569.2	ppb	76.5112	0.7	642.070
Ni 231.604	96.5840	ppb	0.3096	0.3	293.980
Pb 220.353	48.3963	ppb	2.2132	4.6	132.270
Sb 206.834	48.1930	ppb	0.7594	1.6	63.3951
Se 196.026	90.6086	ppb	4.6018	5.1	62.0538
Sn 189.925	186.868	ppb	3.4408	1.8	177.158
Sr 216.596	114.524	ppb	0.6179	0.5	1490.86
Ti 334.941	94.4322	ppb	0.2957	0.3	29012.3
Tl 190.794	37.6541	ppb	0.5759	1.5	25.0478
V 292.401	95.2673	ppb	0.1848	0.2	2758.33
Zn 206.200	101.554	ppb	1.4072	1.4	164.863



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mb 680-275899/1-a (Samp) 5/8/2013, 10:21:55 AM Rack 4, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0776	0.0186	-0.5062u
Al 308.215	1.4145	0.8725	-1.7289u
As 188.980	1.8485	-5.0960u	3.0860
B 249.678	2.1756	1.7625	1.0598
Ba 389.178	-0.5415u	-0.5324u	0.1329
Be 313.042	-0.0020u	-0.0032u	0.0068
Ca 370.602	0.8736	-5.066u	1.514
Cd 226.502	-0.1209u	-0.0990u	-0.0788u
Co 228.615	0.3715	0.2494	-0.2601u
Cr 267.716	-0.1846u	-0.2648u	-0.2100u
Cu 324.754	-0.4203u	-0.0312u	-0.0578u
Fe 271.441	-6.8814u	-5.1520u	1.4618
K 766.491	-2.9094u	-2.5076u	-2.7541u
Mg 279.078	-1.1856u	-2.3977u	-3.3193u
Mn 257.610	-0.1643u	-0.1320u	-0.1318u
Mo 202.032	0.3891	-0.2182u	-0.0731u
Na 330.237	-176.587u	-118.595u	-116.372u
Ni 231.604	0.3771	0.0161	0.4191
Pb 220.353	1.1164	0.4817	2.4991
Sb 206.834	2.8485	2.1289	3.2963
Se 196.026	-8.2673u	-0.1877u	-4.1737u
Sn 189.925	-0.6622u	0.2859	1.4671
Sr 216.596	-0.1733u	-0.6553u	-0.3279u
Ti 334.941	-0.0384u	-0.0529u	0.0204
Tl 190.794	-1.6589u	2.1035	2.0377
V 292.401	0.0064	0.1459	-0.5024u
Zn 206.200	0.8258	1.5727	1.4067

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1367	ppb	0.3214	235.1	-32.0384
Al 308.215	0.1860	ppb	1.6804	903.2	73.1623
As 188.980	-0.0538	ppb	4.4102	8194.7	-6.7532
B 249.678	1.6660	ppb	0.5641	33.9	169.651
Ba 389.178	-0.3137	ppb	0.3868	123.3	-1.7595
Be 313.042	0.0005	ppb	0.0054	1064.9	-376.014
Ca 370.602	-0.8928	ppb	3.628	406.4	4.998
Cd 226.502	-0.0996	ppb	0.0211	21.2	33.1370
Co 228.615	0.1203	ppb	0.3350	278.6	9.1305
Cr 267.716	-0.2198	ppb	0.0410	18.6	5.8633
Cu 324.754	-0.1698	ppb	0.2174	128.0	255.142
Fe 271.441	-3.5239	ppb	4.4035	125.0	101.187
K 766.491	-2.7237	ppb	0.2026	7.4	265.606
Mg 279.078	-2.3009	ppb	1.0701	46.5	33.8068
Mn 257.610	-0.1427	ppb	0.0187	13.1	35.6613
Mo 202.032	0.0326	ppb	0.3172	972.7	17.1460
Na 330.237	-137.184	ppb	34.1414	24.9	61.4711
Ni 231.604	0.2707	ppb	0.2216	81.8	-5.0025
Pb 220.353	1.3657	ppb	1.0316	75.5	34.4806
Sb 206.834	2.7579	ppb	0.5889	21.4	7.0320
Se 196.026	-4.2095	ppb	4.0399	96.0	9.4342
Sn 189.925	0.3636	ppb	1.0667	293.4	-12.1151
Sr 216.596	-0.3855	ppb	0.2461	63.8	15.3226
Ti 334.941	-0.0236	ppb	0.0388	164.2	-48.9939
Tl 190.794	0.8274	ppb	2.1535	260.3	-14.7673
V 292.401	-0.1167	ppb	0.3412	292.4	-12.0229
Zn 206.200	1.2684	ppb	0.3922	30.8	58.1583

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

llcs 680-275899/2-a (Samp) 5/8/2013, 10:27:23 AM Rack 4, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.5216	9.3380	9.1997
Al 308.215	190.439	193.228	186.106
As 188.980	18.9941	19.3105	23.2097
B 249.678	92.9047	93.6295	91.8260
Ba 389.178	9.1976	9.7770	9.8201
Be 313.042	4.1244	4.1445	4.0670
Ca 370.602	481.8	486.1	473.5
Cd 226.502	4.9734	4.9447	4.7563
Co 228.615	9.9382	9.7880	10.5327
Cr 267.716	10.0720	9.9776	9.9892
Cu 324.754	20.6115	19.9220	20.4125
Fe 271.441	50.6423	46.5187	50.2013
K 766.491	992.138	993.821	974.150
Mg 279.078	485.659	488.692	476.249
Mn 257.610	10.9535	10.9984	10.8608
Mo 202.032	9.4294	9.0630	9.4669
Na 330.237	756.376	834.093	857.946
Ni 231.604	39.2373	39.5964	38.1727
Pb 220.353	10.6582	11.7825	7.8518
Sb 206.834	21.9514	21.8322	21.6532
Se 196.026	18.2452	29.1069	14.3816
Sn 189.925	49.4367	48.6827	45.4329
Sr 216.596	9.7248	9.9104	9.6112
Ti 334.941	9.6984	9.7232	9.6069
Tl 190.794	26.2897	25.3536	30.0130
V 292.401	9.5887	9.4058	9.6872
Zn 206.200	21.6209	20.6163	19.2829

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3531	ppb	0.1615	1.7	735.096
Al 308.215	189.924	ppb	3.5891	1.9	954.452
As 188.980	20.5047	ppb	2.3479	11.5	3.0979
B 249.678	92.7867	ppb	0.9075	1.0	1401.97
Ba 389.178	9.5982	ppb	0.3477	3.6	229.949
Be 313.042	4.1120	ppb	0.0402	1.0	7429.96
Ca 370.602	480.4	ppb	6.398	1.3	1549
Cd 226.502	4.8914	ppb	0.1179	2.4	240.255
Co 228.615	10.0863	ppb	0.3938	3.9	143.741
Cr 267.716	10.0129	ppb	0.0514	0.5	546.396
Cu 324.754	20.3153	ppb	0.3549	1.7	1221.82
Fe 271.441	49.1207	ppb	2.2642	4.6	201.194
K 766.491	986.703	ppb	10.9037	1.1	38397.8
Mg 279.078	483.533	ppb	6.4881	1.3	1165.62
Mn 257.610	10.9376	ppb	0.0702	0.6	3002.56
Mo 202.032	9.3197	ppb	0.2232	2.4	93.0442
Na 330.237	816.138	ppb	53.1119	6.5	113.213
Ni 231.604	39.0021	ppb	0.7404	1.9	115.184
Pb 220.353	10.0975	ppb	2.0244	20.0	52.6167
Sb 206.834	21.8123	ppb	0.1501	0.7	30.5724
Se 196.026	20.5779	ppb	7.6348	37.1	23.1476
Sn 189.925	47.8508	ppb	2.1276	4.4	36.0758
Sr 216.596	9.7488	ppb	0.1510	1.5	144.570
Ti 334.941	9.6762	ppb	0.0613	0.6	2934.27
Tl 190.794	27.2187	ppb	2.4647	9.1	14.5275
V 292.401	9.5605	ppb	0.1428	1.5	269.072
Zn 206.200	20.5067	ppb	1.1729	5.7	324.953

ics 680-275899/3-a (Samp) 5/8/2013, 10:32:51 AM Rack 4, Tube 22  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	470.227	467.318	470.806
Al 308.215	4702.92	4705.15	4654.18
As 188.980	478.916	473.911	482.664
B 249.678	481.606	484.387	482.320
Ba 389.178	4943.76	4953.66	4922.30
Be 313.042	495.062	497.034	491.773
Ca 370.602	4824	4843	4784
Cd 226.502	483.914	486.086	481.172
Co 228.615	497.509	498.738	494.155
Cr 267.716	4945.19	4952.93	4916.60
Cu 324.754	4971.36	4905.81	4935.53
Fe 271.441	4741.11	4752.96	4711.18
K 766.491	9903.72	9880.94	9855.20
Mg 279.078	4735.25	4748.12	4699.72
Mn 257.610	5034.46	5047.78	5001.05
Mo 202.032	471.180	473.192	467.736
Na 330.237	6789.14	6829.62	6804.33
Ni 231.604	2454.56	2461.19	2434.49
Pb 220.353	471.454	473.906	467.788
Sb 206.834	935.702	942.610	930.767
Se 196.026	4682.60	4683.48	4654.38
Sn 189.925	4740.73	4800.22	4733.82
Sr 216.596	2404.26	2409.25	2383.20
Ti 334.941	477.289	478.961	476.003
Tl 190.794	4777.99	4792.32	4743.64
V 292.401	4753.21	4759.06	4722.36
Zn 206.200	2460.55	2475.82	2445.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	469.450	ppb	1.8692	0.4	37886.2
Al 308.215	4687.42	ppb	28.8050	0.6	21805.5
As 188.980	478.497	ppb	4.3914	0.9	222.432
B 249.678	482.771	ppb	1.4446	0.3	6669.99
Ba 389.178	4939.91	ppb	16.0301	0.3	114810
Be 313.042	494.623	ppb	2.6575	0.5	938683
Ca 370.602	4817	ppb	29.88	0.6	15366
Cd 226.502	483.724	ppb	2.4624	0.5	20110.1
Co 228.615	496.801	ppb	2.3721	0.5	6732.04
Cr 267.716	4938.24	ppb	19.1324	0.4	260868
Cu 324.754	4937.57	ppb	32.8236	0.7	233192
Fe 271.441	4735.08	ppb	21.5343	0.5	9074.16
K 766.491	9879.95	ppb	24.2719	0.2	381140
Mg 279.078	4727.70	ppb	25.0723	0.5	10965.5
Mn 257.610	5027.76	ppb	24.0767	0.5	1344230
Mo 202.032	470.702	ppb	2.7592	0.6	3854.45
Na 330.237	6807.70	ppb	20.4477	0.3	415.077
Ni 231.604	2450.08	ppb	13.8995	0.6	7597.01
Pb 220.353	471.050	ppb	3.0790	0.7	1011.20
Sb 206.834	936.360	ppb	5.9490	0.6	1217.51
Se 196.026	4673.49	ppb	16.5538	0.4	2598.11
Sn 189.925	4758.26	ppb	36.5070	0.8	4816.23
Sr 216.596	2398.90	ppb	13.8226	0.6	30807.4
Ti 334.941	477.418	ppb	1.4832	0.3	146701
Tl 190.794	4771.32	ppb	25.0160	0.5	5277.39
V 292.401	4744.88	ppb	19.7187	0.4	138623
Zn 206.200	2460.59	ppb	15.2007	0.6	3995.28

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

680-89700-j-1-d (Samp) 5/8/2013, 10:38:19 AM Rack 4, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4086u	-0.0498u	0.0417u
Al 308.215	2.2240	5.1227	2.0149
As 188.980	-2.5329u	6.5587	4.5472
B 249.678	36.8471	35.9533	35.5490
Ba 389.178	29.2067	30.1182	30.6726
Be 313.042	0.0874	0.1091	0.1123
Ca 370.602	69941	70068	70119
Cd 226.502	-0.1246u	-0.0262u	0.0969
Co 228.615	-0.1985u	0.1508	0.2128
Cr 267.716	0.8533	1.2499	1.2519
Cu 324.754	2.3386	2.9202	3.1517
Fe 271.441	24.1331	26.2299	31.3383
K 766.491	2639.41	2649.74	2675.85
Mg 279.078	38649.8	38772.9	38828.4
Mn 257.610	-0.0556	0.2373	0.3503
Mo 202.032	-0.0306u	-0.4253u	0.0610
Na 330.237	34127.4	34347.4	34306.5
Ni 231.604	2.1878	1.9761	2.9021
Pb 220.353	-0.5644u	-1.4325u	0.8435
Sb 206.834	0.3677	3.7982	-0.3052u
Se 196.026	-3.5884u	-0.7719u	6.0257
Sn 189.925	4.5966	4.7880	0.4969
Sr 216.596	689.752	691.815	690.724
Ti 334.941	-0.3475	-0.3277	-0.3348
Tl 190.794	3.6003	5.6819	2.5050
V 292.401	0.8214	1.1314	1.2776
Zn 206.200	20.9231	21.3355	22.0052

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1389	ppb	0.2380	171.3	-66.7976
Al 308.215	3.1205	ppb	1.7371	55.7	86.7578
As 188.980	2.8576	ppb	4.7755	167.1	-4.8974
B 249.678	36.1165	ppb	0.6642	1.8	635.554
Ba 389.178	29.9992	ppb	0.7402	2.5	804.138
Be 313.042	0.1029	ppb	0.0135	13.1	-162.584
Ca 370.602	70043	ppb	92.08	0.1	225052
Cd 226.502	-0.0180	ppb	0.1109	617.6	36.9542
Co 228.615	0.0550	ppb	0.2217	402.8	8.2628
Cr 267.716	1.1184	ppb	0.2295	20.5	77.2342
Cu 324.754	2.8035	ppb	0.4189	14.9	395.421
Fe 271.441	27.2337	ppb	3.7060	13.6	158.570
K 766.491	2655.00	ppb	18.7778	0.7	102693
Mg 279.078	38750.4	ppb	91.3967	0.2	90333.2
Mn 257.610	0.1773	ppb	0.2095	118.1	487.391
Mo 202.032	-0.1317	ppb	0.2584	196.3	15.7989
Na 330.237	34260.4	ppb	117.016	0.3	1937.33
Ni 231.604	2.3553	ppb	0.4852	20.6	1.4668
Pb 220.353	-0.3845	ppb	1.1487	298.8	30.8420
Sb 206.834	1.2869	ppb	2.2007	171.0	5.2353
Se 196.026	0.5551	ppb	4.9425	890.3	12.0702
Sn 189.925	3.2938	ppb	2.4241	73.6	-9.0905
Sr 216.596	690.764	ppb	1.0323	0.1	8913.27
Ti 334.941	-0.3366	ppb	0.0100	3.0	43.8066
Tl 190.794	3.9291	ppb	1.6138	41.1	-11.3264
V 292.401	1.0768	ppb	0.2329	21.6	23.0841
Zn 206.200	21.4213	ppb	0.5461	2.5	34.0120

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

**680-89700-j-1-e ms (Samp)      5/8/2013, 10:43:47 AM      Rack 4, Tube 24****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.4501	19.4160	19.2807
Al 308.215	1956.11	1951.01	1948.81
As 188.980	51.8232	41.4545	45.9995
B 249.678	106.764	106.658	106.612
Ba 389.178	69.0266	68.3994	68.2270
Be 313.042	20.5756	20.5581	20.5478
Ca 370.602	71005	70826	70775
Cd 226.502	20.1269	20.0797	20.0710
Co 228.615	20.0142	20.9176	20.7219
Cr 267.716	40.4203	40.2766	40.4105
Cu 324.754	42.2348	42.5804	42.5839
Fe 271.441	1942.54	1947.14	1944.79
K 766.491	4884.16	4912.43	4919.54
Mg 279.078	40241.8	40108.1	40081.7
Mn 257.610	208.216	207.678	207.708
Mo 202.032	36.1137	36.6551	36.6534
Na 330.237	35524.2	35403.7	35603.1
Ni 231.604	38.9201	42.3402	41.3443
Pb 220.353	19.1801	20.6291	19.6137
Sb 206.834	18.9507	20.2777	20.5115
Se 196.026	34.9188	39.7654	30.5523
Sn 189.925	67.6576	71.8036	73.1886
Sr 216.596	721.130	718.666	716.889
Ti 334.941	38.1211	38.1280	38.0655
Tl 190.794	17.3265	18.0416	16.6019
V 292.401	38.7485	38.7352	38.8323
Zn 206.200	56.9047	58.7847	55.6039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.3823	ppb	0.0896	0.5	1511.98
Al 308.215	1951.98	ppb	3.7468	0.2	9133.18
As 188.980	46.4257	ppb	5.1975	11.2	15.9605
B 249.678	106.678	ppb	0.0780	0.1	1587.29
Ba 389.178	68.5510	ppb	0.4208	0.6	1706.48
Be 313.042	20.5605	ppb	0.0140	0.1	38680.1
Ca 370.602	70869	ppb	120.8	0.2	227561
Cd 226.502	20.0925	ppb	0.0301	0.1	877.905
Co 228.615	20.5512	ppb	0.4753	2.3	284.991
Cr 267.716	40.3692	ppb	0.0803	0.2	2151.80
Cu 324.754	42.4664	ppb	0.2005	0.5	2267.91
Fe 271.441	1944.82	ppb	2.2997	0.1	3739.80
K 766.491	4905.38	ppb	18.7175	0.4	189422
Mg 279.078	40143.9	ppb	85.8304	0.2	93576.3
Mn 257.610	207.868	ppb	0.3024	0.1	56029.4
Mo 202.032	36.4741	ppb	0.3121	0.9	314.859
Na 330.237	35510.3	ppb	100.410	0.3	2004.17
Ni 231.604	40.8682	ppb	1.7590	4.3	121.022
Pb 220.353	19.8076	ppb	0.7437	3.8	72.8292
Sb 206.834	19.9133	ppb	0.8418	4.2	28.3506
Se 196.026	35.0788	ppb	4.6086	13.1	31.2356
Sn 189.925	70.8833	ppb	2.8780	4.1	59.5006
Sr 216.596	718.895	ppb	2.1298	0.3	9273.98
Ti 334.941	38.1049	ppb	0.0343	0.1	11864.7
Tl 190.794	17.3234	ppb	0.7199	4.2	3.1147
V 292.401	38.7720	ppb	0.0526	0.1	1118.01
Zn 206.200	57.0977	ppb	1.5992	2.8	92.2660

**Cont Calib Verif (CCV) 5/8/2013, 10:49:15 AM Rack 4, Tube 25**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	471.338	471.504	471.477
Al 308.215	4696.35	4733.03	4722.29
As 188.980	479.830	473.232	473.871
B 249.678	485.750	492.595	492.732
Ba 389.178	4950.28	4983.64	4973.53
Be 313.042	495.356	499.416	499.457
Ca 370.602	4830	4855	4842
Cd 226.502	485.755	489.541	487.717
Co 228.615	499.779	502.738	499.150
Cr 267.716	4955.43	4986.46	4981.56
Cu 324.754	4944.43	5010.59	4906.14
Fe 271.441	4746.61	4773.57	4773.00
K 766.491	9884.40	10000.1	10012.3
Mg 279.078	4758.75	4790.20	4777.59
Mn 257.610	5041.97	5061.88	5060.22
Mo 202.032	471.960	476.570	475.147
Na 330.237	6824.08	6860.46	7057.24
Ni 231.604	2464.61	2483.94	2469.89
Pb 220.353	469.421	475.920	471.663
Sb 206.834	939.653	947.672	948.423
Se 196.026	4722.20	4735.01	4720.71
Sn 189.925	4811.68	4797.59	4816.11
Sr 216.596	2406.61	2423.43	2418.08
Ti 334.941	478.558	481.697	481.685
Tl 190.794	4791.55	4823.26	4805.56
V 292.401	4761.50	4786.02	4780.46
Zn 206.200	2473.99	2495.93	2474.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.440	ppb	0.0889	0.0	38046.7	94.28794
Al 308.215	4717.22	ppb	18.8580	0.4	21943.8	94.34442
As 188.980	475.644	ppb	3.6387	0.8	221.064	95.12886
B 249.678	490.359	ppb	3.9924	0.8	6772.58	19.61436Q
Ba 389.178	4969.15	ppb	17.1048	0.3	115489	99.38298
Be 313.042	498.076	ppb	2.3559	0.5	945239	99.61528
Ca 370.602	4842	ppb	12.44	0.3	15447	96.84491
Cd 226.502	487.671	ppb	1.8931	0.4	20273.8	97.53423
Co 228.615	500.556	ppb	1.9161	0.4	6782.81	100.11113
Cr 267.716	4974.48	ppb	16.6831	0.3	262783	99.48968
Cu 324.754	4953.72	ppb	52.8421	1.1	233953	99.07436
Fe 271.441	4764.39	ppb	15.4038	0.3	9129.80	95.28780
K 766.491	9965.60	ppb	70.5873	0.7	384441	99.65603
Mg 279.078	4775.52	ppb	15.8241	0.3	11076.4	95.51030
Mn 257.610	5054.69	ppb	11.0501	0.2	1351429	101.09379
Mo 202.032	474.559	ppb	2.3604	0.5	3885.91	94.91183
Na 330.237	6913.93	ppb	125.438	1.8	420.664	92.18570
Ni 231.604	2472.81	ppb	9.9878	0.4	7667.56	98.91259
Pb 220.353	472.335	ppb	3.3014	0.7	1013.87	94.46692
Sb 206.834	945.250	ppb	4.8611	0.5	1228.90	94.52496
Se 196.026	4725.98	ppb	7.8625	0.2	2627.14	94.51951
Sn 189.925	4808.46	ppb	9.6704	0.2	4867.17	96.16919
Sr 216.596	2416.04	ppb	8.5905	0.4	31027.2	96.64162
Ti 334.941	480.646	ppb	1.8091	0.4	147694	96.12929
Tl 190.794	4806.79	ppb	15.8900	0.3	5316.75	96.13579
V 292.401	4775.99	ppb	12.8559	0.3	139532	95.51985
Zn 206.200	2481.39	ppb	12.5944	0.5	4029.07	99.25545

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Cont Calib Blank (CCB) 5/8/2013, 10:54:43 AM Rack 4, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2592u	-0.5532u	-0.4351u
Al 308.215	-2.4082u	-2.9016u	-0.8999u
As 188.980	9.3644	8.1770	7.6014
B 249.678	8.4825	7.2288	6.0294
Ba 389.178	-0.7164u	-0.1360u	-1.1028u
Be 313.042	-0.0022u	-0.0085u	0.0039
Ca 370.602	-3.201u	0.3565	2.798
Cd 226.502	-0.0910u	-0.0940u	-0.1980u
Co 228.615	0.2450	-0.5677u	0.0562
Cr 267.716	-0.3074u	-0.1916u	-0.0812u
Cu 324.754	0.2712	-0.4466u	-0.2670u
Fe 271.441	-3.0129u	-0.8393u	0.6029
K 766.491	-2.7727u	-2.2544u	-2.3209u
Mg 279.078	-2.2943u	-4.0773u	-1.8929u
Mn 257.610	-0.1246u	-0.1566u	-0.1804u
Mo 202.032	0.3879	-0.2595u	-0.0072u
Na 330.237	-150.331u	-135.649u	-220.786u
Ni 231.604	0.3023	1.3807	-0.3601u
Pb 220.353	-1.0759u	-3.4542u	0.1991
Sb 206.834	4.7918	7.9919	6.7040
Se 196.026	2.7763	-4.9624u	4.2674
Sn 189.925	3.5109	1.3511	-1.5578u
Sr 216.596	-0.0929u	-0.3636u	-0.0392u
Ti 334.941	0.0325	0.0131	-0.0137u
Tl 190.794	3.3524	1.2325	2.6246
V 292.401	0.0090	-0.0539u	0.3544
Zn 206.200	0.9510	1.1611	1.3955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4159	ppb	0.1479	35.6	-54.6261	-0.41585
Al 308.215	-2.0699	ppb	1.0428	50.4	62.7016	-2.06988
As 188.980	8.3809	ppb	0.8990	10.7	-2.7119	8.38094
B 249.678	7.2469	ppb	1.2267	16.9	245.132	7.24689
Ba 389.178	-0.6517	ppb	0.4866	74.7	-9.6128	-0.65174
Be 313.042	-0.0023	ppb	0.0062	271.6	-381.346	-0.00228
Ca 370.602	-0.0158	ppb	3.017	19150.9	7.827	-0.01575
Cd 226.502	-0.1277	ppb	0.0609	47.7	31.9716	-0.12766
Co 228.615	-0.0888	ppb	0.4254	478.8	6.3006	-0.08883
Cr 267.716	-0.1934	ppb	0.1131	58.5	7.2543	-0.19342
Cu 324.754	-0.1475	ppb	0.3735	253.3	256.196	-0.14745
Fe 271.441	-1.0831	ppb	1.8202	168.0	105.708	-1.08312
K 766.491	-2.4493	ppb	0.2820	11.5	276.180	-2.44933
Mg 279.078	-2.7548	ppb	1.1627	42.2	32.7494	-2.75483
Mn 257.610	-0.1538	ppb	0.0280	18.2	32.6785	-0.15384
Mo 202.032	0.0404	ppb	0.3263	807.8	17.2092	0.04040
Na 330.237	-168.922	ppb	45.5112	26.9	59.7398	-168.92189
Ni 231.604	0.4410	ppb	0.8786	199.3	-4.4744	0.44095
Pb 220.353	-1.4436	ppb	1.8542	128.4	28.6392	-1.44364
Sb 206.834	6.4959	ppb	1.6102	24.8	11.6456	6.49590
Se 196.026	0.6938	ppb	4.9548	714.2	12.1462	0.69377
Sn 189.925	1.1014	ppb	2.5435	230.9	-11.3664	1.10138
Sr 216.596	-0.1652	ppb	0.1739	105.2	18.1618	-0.16523
Ti 334.941	0.0106	ppb	0.0232	218.5	-38.4626	0.01064
Tl 190.794	2.4032	ppb	1.0772	44.8	-13.0173	2.40318
V 292.401	0.1032	ppb	0.2198	213.1	-5.6017	0.10315
Zn 206.200	1.1692	ppb	0.2223	19.0	0.9964	1.16919

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**680-89700-j-1-f msd (Samp)      5/8/2013, 11:00:11 AM      Rack 4, Tube 27**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.4450	19.2453	19.5637
Al 308.215	1952.49	1961.96	1963.27
As 188.980	45.0619	49.1990	48.0824
B 249.678	106.112	106.980	107.542
Ba 389.178	69.3677	69.4297	67.9238
Be 313.042	20.4821	20.5561	20.5833
Ca 370.602	70972	71138	71250
Cd 226.502	19.8565	20.3410	20.1111
Co 228.615	20.0963	20.2342	20.3327
Cr 267.716	40.4055	40.6624	40.4219
Cu 324.754	42.3645	42.6570	42.8837
Fe 271.441	1943.99	1945.58	1954.41
K 766.491	4893.60	4920.71	4929.77
Mg 279.078	40195.9	40318.8	40372.9
Mn 257.610	207.401	208.173	208.310
Mo 202.032	35.6078	35.9624	36.7568
Na 330.237	35650.3	35856.2	35859.4
Ni 231.604	42.1155	40.9494	40.2076
Pb 220.353	22.6338	18.7080	19.7048
Sb 206.834	19.4000	22.6229	20.7013
Se 196.026	38.7482	34.9366	35.8465
Sn 189.925	68.1662	71.7732	73.4423
Sr 216.596	719.819	720.286	722.781
Ti 334.941	37.9428	37.9593	38.1057
Tl 190.794	22.0301	18.3664	16.9002
V 292.401	38.8321	39.1031	38.9212
Zn 206.200	55.3230	54.6967	56.6347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.4180	ppb	0.1609	0.8	1514.81
Al 308.215	1959.24	ppb	5.8801	0.3	9166.85
As 188.980	47.4478	ppb	2.1403	4.5	16.4515
B 249.678	106.878	ppb	0.7207	0.7	1589.99
Ba 389.178	68.9071	ppb	0.8521	1.2	1715.14
Be 313.042	20.5405	ppb	0.0524	0.3	38642.2
Ca 370.602	71120	ppb	140.1	0.2	228368
Cd 226.502	20.1029	ppb	0.2424	1.2	878.351
Co 228.615	20.2211	ppb	0.1187	0.6	280.539
Cr 267.716	40.4966	ppb	0.1438	0.4	2158.54
Cu 324.754	42.6351	ppb	0.2603	0.6	2275.86
Fe 271.441	1947.99	ppb	5.6133	0.3	3745.65
K 766.491	4914.69	ppb	18.8223	0.4	189781
Mg 279.078	40295.9	ppb	90.6685	0.2	93930.5
Mn 257.610	207.961	ppb	0.4897	0.2	56055.9
Mo 202.032	36.1090	ppb	0.5884	1.6	311.874
Na 330.237	35788.6	ppb	119.792	0.3	2019.37
Ni 231.604	41.0908	ppb	0.9618	2.3	121.713
Pb 220.353	20.3489	ppb	2.0406	10.0	73.9554
Sb 206.834	20.9081	ppb	1.6213	7.8	29.5857
Se 196.026	36.5104	ppb	1.9907	5.5	32.0275
Sn 189.925	71.1272	ppb	2.6967	3.8	59.7483
Sr 216.596	720.962	ppb	1.5921	0.2	9300.61
Ti 334.941	38.0026	ppb	0.0897	0.2	11834.0
Tl 190.794	19.0989	ppb	2.6422	13.8	5.0862
V 292.401	38.9521	ppb	0.1381	0.4	1123.35
Zn 206.200	55.5514	ppb	0.9890	1.8	89.7452



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**89105-18 (Samp)**                      **5/8/2013, 11:05:39 AM**                      **Rack 4, Tube 28**  
**Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.8270	0.5138	0.0023
Al 308.215	51122.1	50902.8	51087.9
As 188.980	384.919	399.095	391.363
B 249.678	427.756	425.910	428.579
Ba 389.178	1885.72	1874.02	1881.15
Be 313.042	4.9497	4.9334	4.9434
Ca 370.602	19352u	19257u	19245u
Cd 226.502	-2.2305	-3.5284	-2.9660
Co 228.615	165.485	165.035	166.522
Cr 267.716	470.874	467.129	468.907
Cu 324.754	2593.36	2640.31	2654.78
Fe 271.441	1610214x	1608173x	1616947x
K 766.491	5894.69	5885.20	5874.86
Mg 279.078	6187.58	6149.33	6168.99
Mn 257.610	7438.43	7403.01	7395.17
Mo 202.032	89.7392	88.6334	88.4192
Na 330.237	3451.70u	3559.79u	3497.12u
Ni 231.604	1078.63	1074.05	1072.91
Pb 220.353	3234.73	3205.60	3205.30
Sb 206.834	247.404	241.152	239.246
Se 196.026	-0.7855	-9.8750	-10.5974
Sn 189.925	11312.8x	11299.5x	11308.6x
Sr 216.596	582.950	575.893	577.454
Ti 334.941	2401.17	2392.32	2399.25
Tl 190.794	-8.1312u	-12.8296u	-13.6124u
V 292.401	146.074	146.210	147.026
Zn 206.200	2810.83	2794.72	2794.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4477b	ppb	0.4163	93.0	18.5418
Al 308.215	51037.6b	ppb	117.979	0.2	236901
As 188.980	391.792b	ppb	7.0980	1.8	168.230
B 249.678	427.415b	ppb	1.3665	0.3	3744.80
Ba 389.178	1880.30b	ppb	5.8978	0.3	46010.9
Be 313.042	4.9422b	ppb	0.0082	0.2	8963.79
Ca 370.602	19285b	ppb	59.00	0.3	-70309
Cd 226.502	-2.9083b	ppb	0.6509	22.4	5946.23
Co 228.615	165.681b	ppb	0.7623	0.5	2244.26
Cr 267.716	468.970b	ppb	1.8735	0.4	25252.2
Cu 324.754	2629.49b	ppb	32.1122	1.2	124778
Fe 271.441	1611778xb	ppb	4591.38	0.3	3006970
K 766.491	5884.92b	ppb	9.9207	0.2	227173
Mg 279.078	6168.63b	ppb	19.1300	0.3	14588.4
Mn 257.610	7412.20b	ppb	23.0490	0.3	1986800
Mo 202.032	88.9306b	ppb	0.7084	0.8	652.109
Na 330.237	3502.87b	ppb	54.2692	1.5	-384.403
Ni 231.604	1075.19b	ppb	3.0264	0.3	3370.24
Pb 220.353	3215.21b	ppb	16.9064	0.5	6718.10
Sb 206.834	242.601b	ppb	4.2673	1.8	355.743
Se 196.026	-7.0860b	ppb	5.4683	77.2	20.5115
Sn 189.925	11307.0xb	ppb	6.8207	0.1	11461.9
Sr 216.596	578.766b	ppb	3.7073	0.6	8436.51
Ti 334.941	2397.58b	ppb	4.6551	0.2	737015
Tl 190.794	-11.5244b	ppb	2.9645	25.7	-132.770
V 292.401	146.437b	ppb	0.5150	0.4	4274.45
Zn 206.200	2800.16b	ppb	9.2433	0.3	4744.99

89105-32 (Samp) 5/8/2013, 11:11:08 AM Rack 4, Tube 29  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.2262	1.1931	2.1391
Al 308.215	77109.8	76975.6	77083.3
As 188.980	116.094	126.395	124.738
B 249.678	67.7325	67.9543	67.2723
Ba 389.178	2684.65	2686.11	2685.34
Be 313.042	7.5174	7.5128	7.4962
Ca 370.602	46774	46776	46743
Cd 226.502	2.8601	2.6124	2.4408
Co 228.615	83.9201	84.9801	83.7034
Cr 267.716	309.305	309.645	309.211
Cu 324.754	1102.59	1123.90	1115.49
Fe 271.441	585620	583771	583334
K 766.491	14681.1	14777.9	14842.2
Mg 279.078	12215.6	12202.0	12197.8
Mn 257.610	3383.87	3377.18	3368.23
Mo 202.032	34.2770	34.4097	34.7282
Na 330.237	2252.78u	2211.57u	2302.83u
Ni 231.604	277.103	280.266	276.349
Pb 220.353	2033.32	2022.51	2016.41
Sb 206.834	5.9437	9.6844	9.1910
Se 196.026	7.7593	14.2946	-0.9758
Sn 189.925	3027.21	3012.73	3008.37
Sr 216.596	902.351	902.861	900.654
Ti 334.941	4416.32	4424.41	4423.77
Tl 190.794	-5.7927u	-1.8170u	0.5737u
V 292.401	157.715	158.361	157.330
Zn 206.200	2898.49	2891.66	2879.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5195	ppb	0.5369	35.3	73.5646
Al 308.215	77056.3	ppb	71.0767	0.1	357626
As 188.980	122.409	ppb	5.5315	4.5	47.5659
B 249.678	67.6530	ppb	0.3479	0.5	271.173
Ba 389.178	2685.37	ppb	0.7315	0.0	63263.0
Be 313.042	7.5088	ppb	0.0112	0.1	13879.9
Ca 370.602	46764	ppb	18.63	0.0	103016
Cd 226.502	2.6378	ppb	0.2108	8.0	2331.46
Co 228.615	84.2012	ppb	0.6832	0.8	1253.97
Cr 267.716	309.387	ppb	0.2281	0.1	16538.7
Cu 324.754	1113.99	ppb	10.7308	1.0	52985.7
Fe 271.441	584242	ppb	1213.52	0.2	1090050
K 766.491	14767.1	ppb	81.0737	0.5	569489
Mg 279.078	12205.1	ppb	9.2929	0.1	28511.1
Mn 257.610	3376.43	ppb	7.8469	0.2	904684
Mo 202.032	34.4716	ppb	0.2319	0.7	265.203
Na 330.237	2255.73	ppb	45.6994	2.0	-85.6342
Ni 231.604	277.906	ppb	2.0781	0.7	870.925
Pb 220.353	2024.08	ppb	8.5655	0.4	4239.71
Sb 206.834	8.2730	ppb	2.0323	24.6	34.3564
Se 196.026	7.0260	ppb	7.6615	109.0	20.4302
Sn 189.925	3016.10	ppb	9.8657	0.3	3048.28
Sr 216.596	901.955	ppb	1.1559	0.1	11980.5
Ti 334.941	4421.50	ppb	4.4972	0.1	1358904
Tl 190.794	-2.3454	ppb	3.2159	137.1	-57.1276
V 292.401	157.802	ppb	0.5212	0.3	4662.72
Zn 206.200	2889.92	ppb	9.5555	0.3	4775.55

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**89105-35 (Samp)**                      **5/8/2013, 11:16:36 AM**                      **Rack 4, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.3657u	-3.6165u	-3.5290u
Al 308.215	167246	167923	168503
As 188.980	31.6091	29.8154	27.5139
B 249.678	2.6822u	2.3731u	1.7518u
Ba 389.178	371.588	372.791	372.471
Be 313.042	5.2086	5.2265	5.2486
Ca 370.602	700.5u	667.9u	661.5u
Cd 226.502	-2.0511	-2.0519	-2.0686
Co 228.615	23.1955	22.4377	22.7652
Cr 267.716	216.702	217.451	218.035
Cu 324.754	109.361	110.426	108.528
Fe 271.441	183136	183370	184009
K 766.491	9881.20	9863.56	9886.20
Mg 279.078	8328.46	8352.95	8342.81
Mn 257.610	945.615	947.825	949.409
Mo 202.032	2.0902	2.1958	1.7155
Na 330.237	391.584u	409.265u	515.665u
Ni 231.604	72.1072	68.2784	70.3416
Pb 220.353	299.071	300.680	297.865
Sb 206.834	1.0464	2.2357	-1.5511
Se 196.026	-11.1893u	-4.0106u	-2.9414u
Sn 189.925	24.9777	26.8414	25.4719
Sr 216.596	46.5150	46.6518	47.1189
Ti 334.941	3316.77	3325.59	3326.51
Tl 190.794	4.9381u	6.5747u	2.2657u
V 292.401	443.049	443.867	445.438
Zn 206.200	221.861	222.779	219.443

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.5037	ppb	0.1273	3.6	-298.949
Al 308.215	167891	ppb	628.923	0.4	779103
As 188.980	29.6462	ppb	2.0528	6.9	6.0193
B 249.678	2.2690	ppb	0.4738	20.9	-70.6293
Ba 389.178	372.283	ppb	0.6233	0.2	8939.85
Be 313.042	5.2279	ppb	0.0201	0.4	9545.94
Ca 370.602	676.6	ppb	20.94	3.1	-12297
Cd 226.502	-2.0572	ppb	0.0099	0.5	638.333
Co 228.615	22.7995	ppb	0.3800	1.7	410.103
Cr 267.716	217.396	ppb	0.6682	0.3	11558.6
Cu 324.754	109.438	ppb	0.9513	0.9	5473.84
Fe 271.441	183505	ppb	451.925	0.2	342453
K 766.491	9876.98	ppb	11.8946	0.1	381026
Mg 279.078	8341.41	ppb	12.3060	0.1	19441.3
Mn 257.610	947.616	ppb	1.9057	0.2	254067
Mo 202.032	2.0005	ppb	0.2524	12.6	21.8722
Na 330.237	438.838	ppb	67.1191	15.3	-4.7655
Ni 231.604	70.2424	ppb	1.9164	2.7	216.712
Pb 220.353	299.205	ppb	1.4126	0.5	655.526
Sb 206.834	0.5770	ppb	1.9365	335.6	12.1992
Se 196.026	-6.0471	ppb	4.4853	74.2	9.8886
Sn 189.925	25.7636	ppb	0.9655	3.7	13.6554
Sr 216.596	46.7619	ppb	0.3166	0.7	733.691
Ti 334.941	3322.96	ppb	5.3796	0.2	1021238
Tl 190.794	4.5929	ppb	2.1752	47.4	-22.3753
V 292.401	444.118	ppb	1.2141	0.3	13046.7
Zn 206.200	221.361	ppb	1.7231	0.8	380.028

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**89105-36 (Samp)**                      **5/8/2013, 11:22:04 AM**                      **Rack 4, Tube 31**  
**Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5835u	-1.6464u	-2.3243u
Al 308.215	105478	105718	105637
As 188.980	116.528	118.598	125.636
B 249.678	2.5631u	1.6736u	2.3349u
Ba 389.178	1028.64	1029.69	1029.91
Be 313.042	7.8965	7.9211	7.9163
Ca 370.602	3527u	3523u	3514u
Cd 226.502	-0.4410	-0.3989	-0.4516
Co 228.615	61.3596	61.2238	60.8865
Cr 267.716	204.885	204.537	204.659
Cu 324.754	171.415	171.825	170.677
Fe 271.441	158835	158910	158441
K 766.491	17984.3	17828.9	17890.4
Mg 279.078	15176.0	15182.5	15173.7
Mn 257.610	2317.82	2314.70	2310.47
Mo 202.032	7.1379	6.3758	6.8806
Na 330.237	969.314u	865.471u	1024.58u
Ni 231.604	81.5334	78.1693	78.6552
Pb 220.353	12057.5	12033.3	12025.6
Sb 206.834	135.021	131.448	137.299
Se 196.026	3.6463	-0.5879	-2.7436
Sn 189.925	101.834	99.0062	99.0289
Sr 216.596	159.415	158.867	158.728
Ti 334.941	6157.74	6150.18	6164.27
Tl 190.794	6.4497u	3.8424u	5.8669u
V 292.401	322.195	321.468	321.912
Zn 206.200	460.715	463.101	462.358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5181	ppb	0.8775	57.8	-138.186
Al 308.215	105611	ppb	122.136	0.1	490117
As 188.980	120.254	ppb	4.7744	4.0	49.6484
B 249.678	2.1905	ppb	0.4620	21.1	-37.9911
Ba 389.178	1029.41	ppb	0.6759	0.1	24189.5
Be 313.042	7.9113	ppb	0.0130	0.2	14636.6
Ca 370.602	3521	ppb	6.972	0.2	-539.5
Cd 226.502	-0.4305	ppb	0.0278	6.5	613.050
Co 228.615	61.1567	ppb	0.2436	0.4	1015.34
Cr 267.716	204.694	ppb	0.1766	0.1	10894.2
Cu 324.754	171.306	ppb	0.5818	0.3	8387.10
Fe 271.441	158729	ppb	251.786	0.2	296238
K 766.491	17901.2	ppb	78.2710	0.4	690276
Mg 279.078	15177.4	ppb	4.5964	0.0	35361.2
Mn 257.610	2314.33	ppb	3.6877	0.2	619422
Mo 202.032	6.7981	ppb	0.3877	5.7	62.7605
Na 330.237	953.123	ppb	80.7827	8.5	7.3661
Ni 231.604	79.4526	ppb	1.8183	2.3	244.653
Pb 220.353	12038.8	ppb	16.6376	0.1	25061.8
Sb 206.834	134.590	ppb	2.9494	2.2	176.745
Se 196.026	0.1049	ppb	3.2508	3098.2	13.5067
Sn 189.925	99.9563	ppb	1.6259	1.6	88.9488
Sr 216.596	159.003	ppb	0.3634	0.2	2161.89
Ti 334.941	6157.40	ppb	7.0519	0.1	1892342
Tl 190.794	5.3863	ppb	1.3685	25.4	-22.3455
V 292.401	321.858	ppb	0.3664	0.1	9511.89
Zn 206.200	462.058	ppb	1.2211	0.3	769.658

89105-37 (Samp) 5/8/2013, 11:27:32 AM Rack 4, Tube 32  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3756u	-1.3623u	-0.9007u
Al 308.215	128532	128970	128685
As 188.980	126.916	127.322	132.031
B 249.678	3.6116u	2.7173u	2.1448u
Ba 389.178	906.493	906.121	905.392
Be 313.042	5.8663	5.8838	5.8798
Ca 370.602	24886	24923	24904
Cd 226.502	4.2778	3.9965	4.1614
Co 228.615	45.7070	45.4465	45.2079
Cr 267.716	212.993	212.885	212.768
Cu 324.754	568.981	574.508	575.589
Fe 271.441	242501	242666	242266
K 766.491	23147.4	23134.0	23219.2
Mg 279.078	18220.5	18253.8	18249.0
Mn 257.610	2276.65	2272.61	2270.20
Mo 202.032	20.4164	20.9053	20.4895
Na 330.237	1140.15u	1165.35u	1161.07u
Ni 231.604	92.0764	93.6857	93.1235
Pb 220.353	3097.95	3093.36	3080.85
Sb 206.834	9.2044	7.5921	1.5688
Se 196.026	-12.2501u	-0.8193	0.2653
Sn 189.925	129.802	130.908	134.738
Sr 216.596	245.209	246.934	246.635
Ti 334.941	6647.63	6651.34	6634.80
Tl 190.794	5.4095u	7.4780u	5.1324u
V 292.401	388.803	389.535	389.985
Zn 206.200	1987.27	1985.71	1982.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2129	ppb	0.2704	22.3	-117.829
Al 308.215	128729	ppb	221.880	0.2	597390
As 188.980	128.756	ppb	2.8432	2.2	53.1922
B 249.678	2.8246	ppb	0.7393	26.2	-143.007
Ba 389.178	906.002	ppb	0.5596	0.1	21450.3
Be 313.042	5.8766	ppb	0.0091	0.2	10778.3
Ca 370.602	24904	ppb	18.77	0.1	61337
Cd 226.502	4.1452	ppb	0.1414	3.4	1116.41
Co 228.615	45.4538	ppb	0.2496	0.5	814.086
Cr 267.716	212.882	ppb	0.1127	0.1	11349.0
Cu 324.754	573.026	ppb	3.5442	0.6	27363.9
Fe 271.441	242478	ppb	200.974	0.1	452472
K 766.491	23166.9	ppb	45.8251	0.2	893214
Mg 279.078	18241.1	ppb	18.0114	0.1	42509.9
Mn 257.610	2273.15	ppb	3.2613	0.1	608711
Mo 202.032	20.6037	ppb	0.2637	1.3	170.716
Na 330.237	1155.53	ppb	13.4851	1.2	-29.0886
Ni 231.604	92.9619	ppb	0.8167	0.9	288.649
Pb 220.353	3090.72	ppb	8.8516	0.3	6456.89
Sb 206.834	6.1218	ppb	4.0245	65.7	20.3737
Se 196.026	-4.2680	ppb	6.9339	162.5	11.6289
Sn 189.925	131.816	ppb	2.5903	2.0	121.289
Sr 216.596	246.259	ppb	0.9214	0.4	3337.74
Ti 334.941	6644.59	ppb	8.6814	0.1	2042091
Tl 190.794	6.0066	ppb	1.2818	21.3	-26.3712
V 292.401	389.441	ppb	0.5962	0.2	11497.1
Zn 206.200	1985.00	ppb	2.6931	0.1	3261.95

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89105-38 (Samp) 5/8/2013, 11:33:00 AM Rack 4, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.7709	1.8322	1.9791
Al 308.215	119577	120445	120234
As 188.980	37.7213	62.9667	53.5743
B 249.678	-3.6405u	-3.2906u	-3.5311u
Ba 389.178	1360.78	1366.16	1365.25
Be 313.042	8.2931	8.3265	8.3038
Ca 370.602	5333u	5288u	5299u
Cd 226.502	13.4573	13.2499	13.4280
Co 228.615	74.0700	74.1553	75.0631
Cr 267.716	235.966	236.837	236.394
Cu 324.754	171.941	174.908	172.036
Fe 271.441	224578	225494	225624
K 766.491	15609.7	15669.4	15692.7
Mg 279.078	16777.7	16848.8	16851.1
Mn 257.610	2979.31	2993.22	2994.67
Mo 202.032	6.3320	6.7275	6.1805
Na 330.237	793.411u	853.515u	713.725u
Ni 231.604	98.3638	95.9375	93.9228
Pb 220.353	5647.34	5670.73	5677.44
Sb 206.834	48.8779	46.5042	48.5308
Se 196.026	-6.1141u	-3.1202	-2.6382
Sn 189.925	4096.07	4090.16	4106.04
Sr 216.596	80.3592	80.0625	80.1362
Ti 334.941	6663.07	6687.26	6675.49
Tl 190.794	3.5123u	7.7654u	6.4756u
V 292.401	330.656	331.554	331.734
Zn 206.200	1125.22	1127.62	1135.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8607	ppb	0.1070	5.8	142.096
Al 308.215	120085	ppb	452.488	0.4	557281
As 188.980	51.4208	ppb	12.7597	24.8	16.1495
B 249.678	-3.4874	ppb	0.1790	5.1	-204.888
Ba 389.178	1364.06	ppb	2.8804	0.2	32063.9
Be 313.042	8.3078	ppb	0.0170	0.2	15391.9
Ca 370.602	5306	ppb	23.59	0.4	-174.5
Cd 226.502	13.3784	ppb	0.1122	0.8	1434.32
Co 228.615	74.4295	ppb	0.5504	0.7	1204.74
Cr 267.716	236.399	ppb	0.4355	0.2	12590.7
Cu 324.754	172.962	ppb	1.6863	1.0	8483.80
Fe 271.441	225232	ppb	570.401	0.3	420305
K 766.491	15657.3	ppb	42.8331	0.3	603796
Mg 279.078	16825.9	ppb	41.7121	0.2	39198.9
Mn 257.610	2989.07	ppb	8.4765	0.3	800031
Mo 202.032	6.4133	ppb	0.2824	4.4	55.8195
Na 330.237	786.884	ppb	70.1234	8.9	-36.1460
Ni 231.604	96.0747	ppb	2.2237	2.3	297.877
Pb 220.353	5665.17	ppb	15.8001	0.3	11809.7
Sb 206.834	47.9710	ppb	1.2820	2.7	73.0778
Se 196.026	-3.9575	ppb	1.8831	47.6	11.8849
Sn 189.925	4097.43	ppb	8.0271	0.2	4145.60
Sr 216.596	80.1859	ppb	0.1545	0.2	1189.17
Ti 334.941	6675.28	ppb	12.0974	0.2	2051513
Tl 190.794	5.9178	ppb	2.1807	36.9	-26.6534
V 292.401	331.315	ppb	0.5774	0.2	9795.72
Zn 206.200	1129.33	ppb	5.1853	0.5	1864.92

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**89105-39 (Samp)**                      **5/8/2013, 11:38:29 AM**                      **Rack 4, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

<b>Label</b>	<b>Replicates Concentration</b>		
Ag 328.068	-1.8076u	-2.3166u	-1.9720u
Al 308.215	154436	155360	155423
As 188.980	136.781	148.847	148.618
B 249.678	2.5353u	1.9767u	1.2655u
Ba 389.178	1740.45	1741.93	1744.91
Be 313.042	10.0364	10.0660	10.0617
Ca 370.602	44543	44603	44700
Cd 226.502	0.2855	0.0607	0.3933
Co 228.615	93.5614	92.6662	92.2849
Cr 267.716	316.030	316.639	316.131
Cu 324.754	288.771	294.252	294.517
Fe 271.441	246265	247240	247062
K 766.491	30152.9	30194.6	30199.4
Mg 279.078	31864.8	31963.6	32035.6
Mn 257.610	3418.55	3432.77	3429.55
Mo 202.032	6.6453	5.3328	6.1364
Na 330.237	2616.10u	2627.24u	2831.91u
Ni 231.604	188.535	188.566	187.699
Pb 220.353	1679.75	1699.34	1687.76
Sb 206.834	12.3393	3.3060	5.9239
Se 196.026	-7.5195u	1.1313	3.1329
Sn 189.925	28.8606	30.7327	28.9537
Sr 216.596	292.517	292.739	292.620
Ti 334.941	12400.0	12409.3	12400.7
Tl 190.794	8.1931u	10.0791u	7.6287u
V 292.401	548.664	550.688	549.067
Zn 206.200	629.888	632.155	633.260

<b>Label</b>	<b>Sol'n Conc.</b>	<b>Units</b>	<b>SD</b>	<b>%RSD</b>	<b>Int. (c/s)</b>
Ag 328.068	-2.0321	ppb	0.2597	12.8	-179.729
Al 308.215	155073	ppb	552.462	0.4	719626
As 188.980	144.749	ppb	6.9012	4.8	60.9508
B 249.678	1.9258	ppb	0.6365	33.0	-161.315
Ba 389.178	1742.43	ppb	2.2721	0.1	40926.3
Be 313.042	10.0547	ppb	0.0160	0.2	18717.0
Ca 370.602	44615	ppb	79.03	0.2	125403
Cd 226.502	0.2465	ppb	0.1697	68.8	971.977
Co 228.615	92.8375	ppb	0.6552	0.7	1630.58
Cr 267.716	316.267	ppb	0.3260	0.1	16828.1
Cu 324.754	292.513	ppb	3.2439	1.1	14128.4
Fe 271.441	246855	ppb	519.203	0.2	460651
K 766.491	30182.3	ppb	25.5623	0.1	1163587
Mg 279.078	31954.7	ppb	85.7512	0.3	74436.2
Mn 257.610	3426.95	ppb	7.4545	0.2	917306
Mo 202.032	6.0381	ppb	0.6617	11.0	51.0361
Na 330.237	2691.75	ppb	121.511	4.5	16.3526
Ni 231.604	188.267	ppb	0.4922	0.3	584.507
Pb 220.353	1688.95	ppb	9.8487	0.6	3539.34
Sb 206.834	7.1898	ppb	4.6478	64.6	23.3420
Se 196.026	-1.0851	ppb	5.6615	521.7	13.7394
Sn 189.925	29.5157	ppb	1.0550	3.6	17.4838
Sr 216.596	292.625	ppb	0.1113	0.0	3938.00
Ti 334.941	12403.3	ppb	5.1896	0.0	3811926
Tl 190.794	8.6336	ppb	1.2832	14.9	-25.4654
V 292.401	549.473	ppb	1.0716	0.2	16280.2
Zn 206.200	631.768	ppb	1.7189	0.3	1055.98

X (Samp) 5/8/2013, 11:43:57 AM Rack 4, Tube 35  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1724u	-0.3862u	-0.3589u
Al 308.215	1.1781	3.9591	5.8928
As 188.980	0.4510	-3.9278u	5.9233
B 249.678	-2.9924u	-2.1506u	-2.9751u
Ba 389.178	0.0699	-0.3366u	0.0148
Be 313.042	0.0345	0.0431	0.0397
Ca 370.602	38.67	36.82	42.63
Cd 226.502	-0.1039u	0.0593	-0.0663u
Co 228.615	0.4212	0.0187	0.2575
Cr 267.716	0.3423	0.1580	0.3129
Cu 324.754	0.6544	0.5325	1.1123
Fe 271.441	10.0032	11.2545	17.3376
K 766.491	95.6273	97.3695	97.7765
Mg 279.078	1.7167	4.5231	3.0913
Mn 257.610	4.4947	4.5957	4.6757
Mo 202.032	0.1906	-0.1757u	0.1863
Na 330.237	-30.2045u	-106.695u	-116.255u
Ni 231.604	0.8998	-0.5427u	0.8804
Pb 220.353	-2.4610u	0.4964	-0.3274u
Sb 206.834	-1.0267u	2.5998	2.6542
Se 196.026	-5.0225u	8.9178	-0.0326u
Sn 189.925	0.4105	2.2928	3.0663
Sr 216.596	0.0682	-0.1211u	0.0609
Ti 334.941	1.6467	1.5304	1.7933
Tl 190.794	-2.2208u	-1.5794u	1.9199
V 292.401	0.4046	0.2749	0.6478
Zn 206.200	8.8679	8.1018	9.9067

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3058	ppb	0.1164	38.1	-45.7084
Al 308.215	3.6767	ppb	2.3700	64.5	89.3571
As 188.980	0.8155	ppb	4.9357	605.2	-6.3366
B 249.678	-2.7060	ppb	0.4811	17.8	110.500
Ba 389.178	-0.0840	ppb	0.2205	262.6	3.6168
Be 313.042	0.0391	ppb	0.0044	11.1	-302.770
Ca 370.602	39.37	ppb	2.964	7.5	133.5
Cd 226.502	-0.0370	ppb	0.0855	231.3	35.7908
Co 228.615	0.2325	ppb	0.2024	87.1	10.6955
Cr 267.716	0.2710	ppb	0.0990	36.5	31.8191
Cu 324.754	0.7664	ppb	0.3057	39.9	299.312
Fe 271.441	12.8651	ppb	3.9235	30.5	131.788
K 766.491	96.9244	ppb	1.1416	1.2	4106.01
Mg 279.078	3.1104	ppb	1.4033	45.1	46.3335
Mn 257.610	4.5887	ppb	0.0907	2.0	1300.63
Mo 202.032	0.0671	ppb	0.2103	313.5	17.4258
Na 330.237	-84.3848	ppb	47.1642	55.9	64.2707
Ni 231.604	0.4125	ppb	0.8273	200.5	-4.5623
Pb 220.353	-0.7640	ppb	1.5263	199.8	30.0526
Sb 206.834	1.4091	ppb	2.1096	149.7	5.3736
Se 196.026	1.2875	ppb	7.0633	548.6	12.4761
Sn 189.925	1.9232	ppb	1.3660	71.0	-10.5323
Sr 216.596	0.0027	ppb	0.1072	4034.1	20.3306
Ti 334.941	1.6568	ppb	0.1317	8.0	467.446
Tl 190.794	-0.6268	ppb	2.2287	355.6	-16.3905
V 292.401	0.4425	ppb	0.1893	42.8	4.3475
Zn 206.200	8.9588	ppb	0.9959	10.1	13.6960



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**CRI (Samp)** **5/8/2013, 11:49:25 AM** **Rack 4, Tube 36****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.9975	9.5595	8.9577
Al 308.215	191.943	190.978	190.513
As 188.980	12.3649	21.0827	25.9309
B 249.678	90.3717	92.1320	91.2253
Ba 389.178	9.4589	10.7101	10.0661
Be 313.042	4.0757	4.0988	4.0545
Ca 370.602	477.8	481.3	477.1
Cd 226.502	4.7698	4.8097	4.9663
Co 228.615	10.4134	9.4694	10.0550
Cr 267.716	9.8855	10.1495	9.6679
Cu 324.754	20.1064	20.3427	19.8014
Fe 271.441	53.3970	54.4713	55.6163
K 766.491	987.807	1000.12	983.961
Mg 279.078	485.014	481.005	475.227
Mn 257.610	10.8190	10.8798	10.7844
Mo 202.032	9.4141	9.5949	9.7402
Na 330.237	877.616	788.812	856.090
Ni 231.604	38.9660	40.0124	39.3635
Pb 220.353	9.5781	10.2693	7.3130
Sb 206.834	19.4787	20.5189	19.0263
Se 196.026	17.0878	17.0371	17.3007
Sn 189.925	47.8747	46.7574	49.4154
Sr 216.596	9.1346	9.5658	9.3801
Ti 334.941	10.1793	10.2800	10.1510
Tl 190.794	24.6872	22.2690	29.0848
V 292.401	9.3606	9.6242	9.4804
Zn 206.200	21.5846	21.9625	20.4302

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.1716	ppb	0.3365	3.7	720.422
Al 308.215	191.145	ppb	0.7298	0.4	960.148
As 188.980	19.7928	ppb	6.8744	34.7	2.7566
B 249.678	91.2430	ppb	0.8803	1.0	1381.08
Ba 389.178	10.0783	ppb	0.6257	6.2	241.105
Be 313.042	4.0763	ppb	0.0222	0.5	7362.23
Ca 370.602	478.7	ppb	2.231	0.5	1543
Cd 226.502	4.8486	ppb	0.1039	2.1	238.502
Co 228.615	9.9793	ppb	0.4765	4.8	142.298
Cr 267.716	9.9009	ppb	0.2411	2.4	540.484
Cu 324.754	20.0835	ppb	0.2714	1.4	1210.89
Fe 271.441	54.4949	ppb	1.1098	2.0	211.199
K 766.491	990.628	ppb	8.4391	0.9	38549.0
Mg 279.078	480.416	ppb	4.9201	1.0	1158.36
Mn 257.610	10.8278	ppb	0.0483	0.4	2973.19
Mo 202.032	9.5831	ppb	0.1634	1.7	95.1965
Na 330.237	840.839	ppb	46.3245	5.5	114.547
Ni 231.604	39.4473	ppb	0.5282	1.3	116.566
Pb 220.353	9.0535	ppb	1.5464	17.1	50.4451
Sb 206.834	19.6747	ppb	0.7653	3.9	27.9275
Se 196.026	17.1419	ppb	0.1399	0.8	21.2471
Sn 189.925	48.0159	ppb	1.3346	2.8	36.2433
Sr 216.596	9.3602	ppb	0.2163	2.3	139.557
Ti 334.941	10.2034	ppb	0.0678	0.7	3096.30
Tl 190.794	25.3470	ppb	3.4555	13.6	12.4485
V 292.401	9.4884	ppb	0.1320	1.4	266.910
Zn 206.200	21.3258	ppb	0.7983	3.7	33.8316

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Verif (CCV) 5/8/2013, 11:54:53 AM Rack 4, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	474.942	468.560	476.090
Al 308.215	4727.69	4683.65	4718.47
As 188.980	477.111	481.540	495.678
B 249.678	482.715	486.319	492.494
Ba 389.178	4989.75	4960.90	5001.31
Be 313.042	495.873	495.371	497.418
Ca 370.602	4852	4828	4876
Cd 226.502	488.137	486.666	492.210
Co 228.615	500.086	498.066	504.471
Cr 267.716	4990.14	4976.69	5016.62
Cu 324.754	5010.57	4990.41	4922.40
Fe 271.441	4794.65	4746.30	4797.96
K 766.491	10032.7	10026.0	10043.1
Mg 279.078	4767.92	4744.38	4799.74
Mn 257.610	5061.83	5065.25	5109.47
Mo 202.032	474.620	473.390	476.960
Na 330.237	6996.21	6824.13	7003.56
Ni 231.604	2474.10	2461.96	2490.04
Pb 220.353	474.268	469.757	476.708
Sb 206.834	937.253	937.678	946.792
Se 196.026	4713.78	4688.43	4732.12
Sn 189.925	4796.49	4751.40	4817.18
Sr 216.596	2420.85	2415.78	2457.41
Ti 334.941	482.557	481.402	484.979
Tl 190.794	4799.94	4797.94	4844.30
V 292.401	4790.80	4775.03	4813.41
Zn 206.200	2480.53	2467.16	2502.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	473.197	ppb	4.0566	0.9	38187.9	94.63948
Al 308.215	4709.94	ppb	23.2296	0.5	21909.9	94.19871
As 188.980	484.776	ppb	9.6972	2.0	225.439	96.95525
B 249.678	487.176	ppb	4.9460	1.0	6729.50	19.48704Q
Ba 389.178	4983.98	ppb	20.8088	0.4	115834	99.67970
Be 313.042	496.221	ppb	1.0669	0.2	941714	99.24415
Ca 370.602	4852	ppb	23.59	0.5	15477	97.03637
Cd 226.502	489.004	ppb	2.8718	0.6	20329.2	97.80087
Co 228.615	500.874	ppb	3.2748	0.7	6787.23	100.17488
Cr 267.716	4994.48	ppb	20.3142	0.4	263839	99.88966
Cu 324.754	4974.46	ppb	46.1965	0.9	234932	99.48922
Fe 271.441	4779.64	ppb	28.9201	0.6	9158.47	95.59271
K 766.491	10034.0	ppb	8.5841	0.1	387076	100.33958
Mg 279.078	4770.68	ppb	27.7819	0.6	11064.7	95.41361
Mn 257.610	5078.85	ppb	26.5720	0.5	1357888	101.57698
Mo 202.032	474.990	ppb	1.8134	0.4	3889.40	94.99802
Na 330.237	6941.30	ppb	101.537	1.5	422.084	92.55067
Ni 231.604	2475.37	ppb	14.0830	0.6	7675.49	99.01485
Pb 220.353	473.578	ppb	3.5265	0.7	1016.45	94.71553
Sb 206.834	940.574	ppb	5.3889	0.6	1223.34	94.05740
Se 196.026	4711.44	ppb	21.9346	0.5	2619.11	94.22887
Sn 189.925	4788.36	ppb	33.6339	0.7	4846.77	95.76713
Sr 216.596	2431.35	ppb	22.7138	0.9	31224.0	97.25387
Ti 334.941	482.979	ppb	1.8256	0.4	148411	96.59587
Tl 190.794	4814.06	ppb	26.2078	0.5	5324.80	96.28121
V 292.401	4793.08	ppb	19.2876	0.4	140031	95.86161
Zn 206.200	2483.24	ppb	17.5890	0.7	4032.03	99.32951

E05072013A.wvq. All Data Report 5/8/2013, 1:03:00 PM

Cont Calib Blank (CCB) 5/8/2013, 12:00:33 PM Rack 4, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1174	-0.1679u	-0.0981u
Al 308.215	-2.0381u	0.3929	-1.4427u
As 188.980	-2.9923u	6.1948	-0.6085u
B 249.678	6.4269	5.3479	5.9320
Ba 389.178	-0.8085u	1.0266	-0.6150u
Be 313.042	0.0053	0.0050	0.0017
Ca 370.602	-1.241u	1.782	5.397
Cd 226.502	-0.1899u	-0.0678u	0.0161
Co 228.615	-0.4560u	0.4334	-0.2049u
Cr 267.716	-0.0541u	-0.0567u	-0.1557u
Cu 324.754	-0.0782u	0.5079	0.5501
Fe 271.441	3.1167	-0.0905u	-1.3775u
K 766.491	-2.4400u	-2.2162u	-2.2416u
Mg 279.078	0.1442	-2.3652u	2.8940
Mn 257.610	-0.0759u	-0.0812u	-0.0324u
Mo 202.032	-0.0904u	-0.0953u	0.2389
Na 330.237	-156.854u	-255.389u	103.832
Ni 231.604	0.1626	0.4887	1.2669
Pb 220.353	0.1429	1.2747	0.5513
Sb 206.834	7.9260	6.5217	5.5097
Se 196.026	3.3525	-5.9070u	-13.3936u
Sn 189.925	0.7025	5.4160	2.6047
Sr 216.596	-0.3524u	-0.0914u	0.0199
Ti 334.941	0.1466	0.1290	0.1485
Tl 190.794	1.3010	2.0249	2.6144
V 292.401	0.3396	-0.0730u	-0.0049u
Zn 206.200	0.3986	1.3868	0.9416

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0496	ppb	0.1487	300.1	-24.9979	-0.04956
Al 308.215	-1.0293	ppb	1.2671	123.1	67.5359	-1.02933
As 188.980	0.8647	ppb	4.7674	551.3	-6.3132	0.86469
B 249.678	5.9023	ppb	0.5401	9.2	226.945	5.90228
Ba 389.178	-0.1323	ppb	1.0083	762.3	2.4655	-0.13227
Be 313.042	0.0040	ppb	0.0020	50.1	-369.432	0.00400
Ca 370.602	1.979	ppb	3.323	167.9	14.18	1.97947
Cd 226.502	-0.0805	ppb	0.1035	128.6	33.9284	-0.08055
Co 228.615	-0.0759	ppb	0.4585	604.5	6.4774	-0.07585
Cr 267.716	-0.0888	ppb	0.0579	65.2	12.7823	-0.08883
Cu 324.754	0.3266	ppb	0.3512	107.5	278.565	0.32660
Fe 271.441	0.5496	ppb	2.3145	421.1	108.756	0.54956
K 766.491	-2.2993	ppb	0.1226	5.3	281.964	-2.29927
Mg 279.078	0.2243	ppb	2.6305	1172.8	39.6899	0.22430
Mn 257.610	-0.0632	ppb	0.0268	42.4	56.9430	-0.06318
Mo 202.032	0.0177	ppb	0.1916	1080.6	17.0239	0.01773
Na 330.237	-102.804	ppb	185.610	180.5	63.3470	-102.80368
Ni 231.604	0.6394	ppb	0.5674	88.7	-3.8586	0.63939
Pb 220.353	0.6563	ppb	0.5732	87.3	33.0053	0.65630
Sb 206.834	6.6524	ppb	1.2134	18.2	11.8398	6.65244
Se 196.026	-5.3160	ppb	8.3887	157.8	8.8222	-5.31605
Sn 189.925	2.9077	ppb	2.3713	81.6	-9.5333	2.90772
Sr 216.596	-0.1413	ppb	0.1911	135.2	18.4576	-0.14130
Ti 334.941	0.1413	ppb	0.0108	7.6	1.7113	0.14134
Tl 190.794	1.9801	ppb	0.6578	33.2	-13.4874	1.98009
V 292.401	0.0872	ppb	0.2212	253.6	-6.0838	0.08723
Zn 206.200	0.9090	ppb	0.4949	54.4	0.5721	0.90900



E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Blank (Blk)	5/8/2013, 2:37:19 PM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	-0.2250	0.2185	0.0065
Al 308.215	-0.4424	-0.4023	0.8447
As 188.980	2.6234	-0.9846	-1.6387
B 249.678	1.4321	-0.1074	-1.3247
Ba 389.178	0.1869	-0.0239	-0.1629
Be 313.042	-0.0028	0.0007	0.0021
Ca 370.602	0.1833	-0.8958	0.7125
Cd 226.502	0.1154	-0.1458	0.0304
Co 228.615	0.0327	-0.1631	0.1304
Cr 267.716	0.0165	0.0117	-0.0283
Cu 324.754	-0.1386	0.3043	-0.1658
Fe 271.441	3.7057	0.4428	-4.1485
K 766.491	0.0154	-0.0879	0.0725
Mg 279.078	0.0137	0.9938	-1.0075
Mn 257.610	0.0275	-0.0077	-0.0197
Mo 202.032	-0.4318	0.0666	0.3652
Na 330.237	-38.5521	53.0821	-14.5301
Ni 231.604	-0.0256	0.2734	-0.2478
Pb 220.353	-0.7858	0.8150	-0.0292
Sb 206.834	-2.0836	-0.1669	2.2504
Se 196.026	-3.7181	5.7967	-2.0786
Sn 189.925	0.7516	1.3449	-2.0965
Sr 216.596	0.0978	-0.2610	0.1632
Ti 334.941	-0.0019	0.0175	-0.0157
Tl 190.794	-2.1252	1.5673	0.5579
V 292.401	-0.1878	0.0344	0.1534
Zn 206.200	0.9070	-0.5894	-0.3175

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	17.056	46.2	-36.9544
Al 308.215	0.0000	ppb	2.931	8.2	35.7341
As 188.980	0.0000	ppb	1.058	21.0	-5.0363
B 249.678	0.0000	ppb	18.060	5.0	364.175
Ba 389.178	0.0000	ppb	3.938	48.7	-8.0900
Be 313.042	0.0000	ppb	4.591	1.2	-376.826
Ca 370.602	0.0000	ppb	2.529	17.3	14.62
Cd 226.502	0.0000	ppb	5.243	14.4	36.3458
Co 228.615	0.0000	ppb	1.951	22.9	8.5084
Cr 267.716	0.0000	ppb	1.256	21.6	5.8030
Cu 324.754	0.0000	ppb	11.966	4.5	265.689
Fe 271.441	0.0000	ppb	7.118	6.4	111.678
K 766.491	0.0000	ppb	3.075	1.0	297.501
Mg 279.078	0.0000	ppb	2.251	6.2	36.3178
Mn 257.610	0.0000	ppb	1.475	1.0	143.261
Mo 202.032	0.0000	ppb	3.123	16.0	19.5144
Na 330.237	0.0000	ppb	2.440	4.2	57.7989
Ni 231.604	0.0000	ppb	0.778	13.3	-5.8325
Pb 220.353	0.0000	ppb	1.599	5.1	31.2321
Sb 206.834	0.0000	ppb	2.576	109.5	2.3514
Se 196.026	0.0000	ppb	2.714	23.3	11.6585
Sn 189.925	0.0000	ppb	1.784	16.9	-10.5508
Sr 216.596	0.0000	ppb	2.824	17.1	16.5414
Ti 334.941	0.0000	ppb	4.961	15.5	-32.1047
Tl 190.794	0.0000	ppb	2.019	14.8	-13.6388
V 292.401	0.0000	ppb	4.894	48.4	-10.1148
Zn 206.200	0.0000	ppb	1.255	391.9	0.3202

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**HIGH STD (Std)                      5/8/2013, 2:42:43 PM                      Rack S, Tube 2**

<b>Label</b>	<b>Replicates Concentration</b>		
Ag 328.068	993.775	1001.02	1005.20
Al 308.215	9996.89	10021.2	9981.95
As 188.980	989.655	1014.16	996.182
B 249.678	996.223	1000.49	1003.29
Ba 389.178	10007.8	9999.11	9993.08
Be 313.042	1001.74	997.004	1001.26
Ca 370.602	10026	10000	9973
Cd 226.502	1001.58	999.200	999.220
Co 228.615	1001.18	997.864	1000.95
Cr 267.716	10014.8	9996.09	9989.10
Cu 324.754	9942.30	10045.3	10012.4
Fe 271.441	10014.3	9987.39	9998.36
K 766.491	20004.4	19995.4	20000.3
Mg 279.078	10013.1	9993.94	9992.99
Mn 257.610	10047.3	9970.14	9982.59
Mo 202.032	999.811	1000.18	1000.01
Na 330.237	15039.2	15252.5	14708.3
Ni 231.604	5006.76	5000.80	4992.44
Pb 220.353	1005.34	999.960	994.700
Sb 206.834	1994.64	2006.62	1998.74
Se 196.026	10035.7	9980.96	9983.38
Sn 189.925	9912.50	10041.5	10046.0
Sr 216.596	5013.90	4992.01	4994.09
Ti 334.941	1000.56	999.977	999.459
Tl 190.794	9993.61	9993.92	10012.5
V 292.401	10013.9	9996.86	9989.26
Zn 206.200	5010.23	4996.12	4993.65

<b>Label</b>	<b>Sol'n Conc.</b>	<b>Units</b>	<b>SD(Int)</b>	<b>%RSD(Int)</b>	<b>Int. (c/s)</b>
Ag 328.068	1000.00	ppb	444.555	0.6	76845.8
Al 308.215	10000.0	ppb	79.254	0.2	40086.7
As 188.980	1000.00	ppb	5.848	1.3	455.708
B 249.678	1000.00	ppb	46.493	0.3	13436.5
Ba 389.178	10000.0	ppb	165.702	0.1	223576
Be 313.042	1000.00	ppb	4780.012	0.3	1833972
Ca 370.602	10000	ppb	81.732	0.3	30864
Cd 226.502	1000.00	ppb	53.882	0.1	39397.1
Co 228.615	1000.00	ppb	24.193	0.2	13058.5
Cr 267.716	10000.0	ppb	679.023	0.1	510729
Cu 324.754	10000.0	ppb	2386.076	0.5	453690
Fe 271.441	10000.0	ppb	24.365	0.1	18151.5
K 766.491	20000.0	ppb	169.928	0.0	756593
Mg 279.078	10000.0	ppb	25.487	0.1	22527.8
Mn 257.610	10000.0	ppb	2489.999	0.4	601482
Mo 202.032	1000.00	ppb	1.440	0.0	7775.73
Na 330.237	15000.0	ppb	14.084	1.7	828.193
Ni 231.604	5000.00	ppb	21.383	0.1	14860.8
Pb 220.353	1000.00	ppb	10.625	0.5	2028.35
Sb 206.834	2000.00	ppb	7.222	0.3	2374.29
Se 196.026	10000.0	ppb	16.489	0.3	5347.55
Sn 189.925	10000.0	ppb	73.525	0.8	9687.53
Sr 216.596	5000.00	ppb	149.446	0.2	61849.7
Ti 334.941	1000.00	ppb	164.514	0.1	297570
Tl 190.794	10000.0	ppb	11.422	0.1	10567.7
V 292.401	10000.0	ppb	356.118	0.1	282573
Zn 206.200	5000.00	ppb	14.076	0.2	7870.08

**Ag 328.068 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-36.9544	0.0000	0.0000	-	-
HIGH STD		76845.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 76.9 x + -37.0$

**Al 308.215 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		35.7341	0.0000	0.0000	-	-
HIGH STD		40086.7	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 4.0 x + 35.7$

**As 188.980 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.0363	0.0000	0.0000	-	-
HIGH STD		455.708	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation:  $y = 0.5 x + -5.0$

**B 249.678 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		364.175	0.0000	0.0000	-	-
HIGH STD		13436.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 13.1 x + 364.2$

**Ba 389.178 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.0900	0.0000	0.0000	-	-
HIGH STD		223576	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation:  $y = 22.4 x + -8.1$

**Be 313.042 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-376.826	0.0000	0.0000	-	-
HIGH STD		1833972	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation:  $y = 1834.3 x + -376.8$

**Ca 370.602 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.62	0.0000	0.0000	-	-
HIGH STD		30864	10000	10000	-0.0010	0.0

Curve Type: Linear Equation:  $y = 3.1 x + 14.6$

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**Cd 226.502 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		36.3458	0.0000	0.0000	-	-
HIGH STD		39397.1	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation:  $y = 39.4 x + 36.3$ **Co 228.615 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.5084	0.0000	0.0000	-	-
HIGH STD		13058.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 13.1 x + 8.5$ **Cr 267.716 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.8030	0.0000	0.0000	-	-
HIGH STD		510729	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 51.1 x + 5.8$ **Cu 324.754 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		265.689	0.0000	0.0000	-	-
HIGH STD		453690	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 45.3 x + 265.7$ **Fe 271.441 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		111.678	0.0000	0.0000	-	-
HIGH STD		18151.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.8 x + 111.7$ **K 766.491 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		297.501	0.0000	0.0000	-	-
HIGH STD		756593	20000.0	20000.0	0.0020	0.0

Curve Type: Linear Equation:  $y = 37.8 x + 297.5$ **Mg 279.078 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		36.3178	0.0000	0.0000	-	-
HIGH STD		22527.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 2.2 x + 36.3$



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**Mn 257.610 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		143.261	0.0000	0.0000	-	-
HIGH STD		601482	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 60.1 x + 143.3$ **Mo 202.032 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		19.5144	0.0000	0.0000	-	-
HIGH STD		7775.73	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 7.8 x + 19.5$ **Na 330.237 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		57.7989	0.0000	0.0000	-	-
HIGH STD		828.193	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 0.1 x + 57.8$ **Ni 231.604 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.8325	0.0000	0.0000	-	-
HIGH STD		14860.8	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 3.0 x + -5.8$ **Pb 220.353 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.2321	0.0000	0.0000	-	-
HIGH STD		2028.35	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 2.0 x + 31.2$ **Sb 206.834 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3514	0.0000	0.0000	-	-
HIGH STD		2374.29	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.2 x + 2.4$ **Se 196.026 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.6585	0.0000	0.0000	-	-
HIGH STD		5347.55	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 0.5 x + 11.7$

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**Sn 189.925 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.5508	0.0000	0.0000	-	-
HIGH STD		9687.53	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.0 x + -10.6$ **Sr 216.596 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.5414	0.0000	0.0000	-	-
HIGH STD		61849.7	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation:  $y = 12.4 x + 16.5$ **Ti 334.941 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-32.1047	0.0000	0.0000	-	-
HIGH STD		297570	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation:  $y = 297.6 x + -32.1$ **Tl 190.794 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-13.6388	0.0000	0.0000	-	-
HIGH STD		10567.7	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation:  $y = 1.1 x + -13.6$ **V 292.401 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.1148	0.0000	0.0000	-	-
HIGH STD		282573	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation:  $y = 28.3 x + -10.1$ **Zn 206.200 Calibration (ppb) 5/8/2013, 2:42:43 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.3202	0.0000	0.0000	-	-
HIGH STD		7870.08	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation:  $y = 1.6 x + 0.3$ **Lab Control Sample (LCS) 5/8/2013, 2:48:07 PM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1006.25	1003.11	1000.35
Al 308.215	10024.0	10036.7	10041.2
As 188.980	999.075	1002.41	970.826
B 249.678	1011.94	1013.69	1019.88
Ba 389.178	10000.5	10023.4	10037.9

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Label	Replicates Concentration		
Be 313.042	996.226	998.212	1003.68
Ca 370.602	9975	9964	9995
Cd 226.502	1002.77	1002.31	1003.20
Co 228.615	1000.94	1003.24	1001.46
Cr 267.716	10018.1	10008.5	10020.5
Cu 324.754	10090.9	9867.04	10066.9
Fe 271.441	10006.3	10023.8	10019.0
K 766.491	19950.5	20026.7	20090.2
Mg 279.078	9990.30	9991.24	10029.2
Mn 257.610	10047.2	10014.2	10041.8
Mo 202.032	1002.95	1001.77	1007.35
Na 330.237	14644.6	14457.6	14747.9
Ni 231.604	5007.75	4997.92	5014.92
Pb 220.353	997.740	998.959	1001.98
Sb 206.834	2006.45	2003.57	2007.66
Se 196.026	10058.9	9999.12	10021.2
Sn 189.925	10057.3	10063.6	10047.0
Sr 216.596	5010.26	5013.60	5018.42
Ti 334.941	1000.48	1000.89	1002.30
Tl 190.794	10033.1	10015.2	10004.2
V 292.401	10006.8	10002.1	10022.3
Zn 206.200	5007.30	5013.59	5012.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1003.24	ppb	2.9531	0.3	76972.6	100.32383
Al 308.215	10034.0	ppb	8.9099	0.1	40191.3	100.34002
As 188.980	990.770	ppb	17.3518	1.8	451.256	99.07698
B 249.678	1015.17	ppb	4.1720	0.4	13621.6	20.30344*
Ba 389.178	10020.6	ppb	18.8547	0.2	224102	100.20625
Be 313.042	999.373	ppb	3.8614	0.4	1832315	99.93732
Ca 370.602	9978	ppb	15.89	0.2	30542	99.77910
Cd 226.502	1002.76	ppb	0.4478	0.0	39539.7	100.27604
Co 228.615	1001.88	ppb	1.2021	0.1	13102.8	100.18813
Cr 267.716	10015.7	ppb	6.3603	0.1	511470	100.15714
Cu 324.754	10008.3	ppb	122.917	1.2	454003	100.08294
Fe 271.441	10016.4	ppb	9.0429	0.1	18443.3	100.16364
K 766.491	20022.5	ppb	69.9751	0.3	757443	100.11235
Mg 279.078	10003.6	ppb	22.2213	0.2	22363.5	100.03595
Mn 257.610	10034.4	ppb	17.6912	0.2	603584	100.34375
Mo 202.032	1004.02	ppb	2.9403	0.3	7786.17	100.40194
Na 330.237	14616.7	ppb	147.157	1.0	758.478	97.44465
Ni 231.604	5006.86	ppb	8.5329	0.2	14881.4	100.13723
Pb 220.353	999.561	ppb	2.1852	0.2	2027.63	99.95612
Sb 206.834	2005.89	ppb	2.1019	0.1	2493.50	40.11784*
Se 196.026	10026.4	ppb	30.2576	0.3	5364.38	100.26409
Sn 189.925	10056.0	ppb	8.3500	0.1	9741.82	100.55974
Sr 216.596	5014.09	ppb	4.1013	0.1	61890.7	100.28185
Ti 334.941	1001.22	ppb	0.9573	0.1	297983	100.12248
Tl 190.794	10017.5	ppb	14.5729	0.1	10575.5	100.17485
V 292.401	10010.4	ppb	10.6117	0.1	282046	100.10404
Zn 206.200	5011.08	ppb	3.3291	0.1	7857.71	100.22153

Initial Calib Verif (ICV)

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Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	987.221	972.276	973.039
Al 308.215	951.013	937.307	949.795

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Label	Replicates Concentration		
As 188.980	990.178	983.079	984.899
B 249.678	985.895	972.364	987.809
Ba 389.178	1037.62	1019.45	1034.04
Be 313.042	1041.94x	1024.65x	1040.99x
Ca 370.602	1008	978.1	996.3
Cd 226.502	1047.89x	1029.52x	1042.20x
Co 228.615	1010.01	996.958	1004.52
Cr 267.716	1026.63	1008.73	1021.99
Cu 324.754	1044.68	1026.67	1031.99
Fe 271.441	980.040	947.052	969.971
K 766.491	10083.7	9930.60	10087.3
Mg 279.078	1004.36	993.069	1000.86
Mn 257.610	1065.01	1043.58	1053.94
Mo 202.032	1007.68x	992.422	1004.92x
Na 330.237	9611.68	9465.25	9503.81
Ni 231.604	1041.57	1022.29	1040.63
Pb 220.353	1012.20	990.505	1001.73
Sb 206.834	996.309	973.409	978.751
Se 196.026	986.738	966.523	977.348
Sn 189.925	4975.91	4900.19	4918.38
Sr 216.596	4933.64	4854.15	4914.07
Ti 334.941	983.051	964.889	978.589
Tl 190.794	1031.40	1008.89	1029.07
V 292.401	998.467	982.905	995.532
Zn 206.200	1029.91	1014.51	1026.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	977.512b	ppb	8.4169	0.9	74901.4	97.75118
Al 308.215	946.039b	ppb	7.5860	0.8	3905.05	94.60385
As 188.980	986.052b	ppb	3.6871	0.4	449.083	98.60522
B 249.678	982.023b	ppb	8.4196	0.9	13200.1	98.20228
Ba 389.178	1030.37b	ppb	9.6247	0.9	23040.3	103.03697
Be 313.042	1035.86xb	ppb	9.7186	0.9	1899564	103.58596
Ca 370.602	994.0b	ppb	14.92	1.5	3211	99.40170
Cd 226.502	1039.87xb	ppb	9.4058	0.9	40969.9	103.98702
Co 228.615	1003.83b	ppb	6.5536	0.7	13099.0	100.38287
Cr 267.716	1019.12b	ppb	9.2900	0.9	52041.1	101.91186
Cu 324.754	1034.44b	ppb	9.2525	0.9	47186.2	103.44441
Fe 271.441	965.688b	ppb	16.9060	1.8	2028.40	96.56879
K 766.491	10033.9b	ppb	89.4547	0.9	379726	100.33869
Mg 279.078	999.430b	ppb	5.7796	0.6	2265.99	99.94300
Mn 257.610	1054.18b	ppb	10.7189	1.0	63538.5	105.41750Q
Mo 202.032	1001.68xb	ppb	8.1321	0.8	7786.68	100.16754
Na 330.237	9526.91b	ppb	75.9000	0.8	531.404	95.26914
Ni 231.604	1034.83b	ppb	10.8703	1.1	3071.07	103.48287
Pb 220.353	1001.48b	ppb	10.8507	1.1	2028.96	100.14780
Sb 206.834	982.823b	ppb	11.9810	1.2	1174.51	98.28230
Se 196.026	976.870b	ppb	10.1156	1.0	533.195	97.68695
Sn 189.925	4931.49b	ppb	39.5253	0.8	4772.06	98.62988
Sr 216.596	4900.62b	ppb	41.4202	0.8	60559.5	98.01239
Ti 334.941	975.510b	ppb	9.4648	1.0	290286	97.55096
Tl 190.794	1023.12b	ppb	12.3795	1.2	1067.89	102.31216
V 292.401	992.301b	ppb	8.2684	0.8	27779.7	99.23013
Zn 206.200	1023.68b	ppb	8.1091	0.8	1608.52	102.36817

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Initial Calib Blank (ICB) 5/8/2013, 2:58:56 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1331	-0.0727u	0.3300
Al 308.215	0.1170	1.9574	1.4962
As 188.980	8.4573	0.8134	-0.5172u
B 249.678	12.6281	10.0887	8.6289
Ba 389.178	0.7014	1.1814	0.6048
Be 313.042	0.0155	0.0024	0.0079
Ca 370.602	-3.579u	-1.435u	-3.129u
Cd 226.502	-0.1550u	-0.0282u	0.0732
Co 228.615	0.1574	0.1321	-0.4631u
Cr 267.716	0.1024	0.0764	-0.0330u
Cu 324.754	0.1836	0.0492	0.3657
Fe 271.441	-8.1101u	-5.3998u	-2.5826u
K 766.491	0.4166	0.5698	0.5457
Mg 279.078	-3.1360u	2.5764	-1.7009u
Mn 257.610	-0.1686u	0.0012	-0.0252u
Mo 202.032	0.8800	0.4331	0.9464
Na 330.237	169.824	-158.352u	29.4356
Ni 231.604	-0.9524u	0.3460	0.6027
Pb 220.353	-0.1916u	1.6935	-0.4920u
Sb 206.834	2.9017	2.5048	3.3574
Se 196.026	3.5863	6.9684	3.0816
Sn 189.925	3.6430	0.6183	1.6934
Sr 216.596	0.3280	0.5168	-0.2979u
Ti 334.941	0.1685	0.1125	0.0644
Tl 190.794	-1.1390u	1.9079	0.9175
V 292.401	-0.2678u	0.1278	0.1638
Zn 206.200	0.6708	0.3643	1.0656

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1301	ppb	0.2014	154.7	-26.9560	0.13014
Al 308.215	1.1902	ppb	0.9576	80.5	40.5734	1.19022
As 188.980	2.9178	ppb	4.8432	166.0	-3.6921	2.91782
B 249.678	10.4486	ppb	2.0238	19.4	500.768	10.44857
Ba 389.178	0.8292	ppb	0.3088	37.2	10.4477	0.82923
Be 313.042	0.0086	ppb	0.0066	76.2	-361.173	0.00860
Ca 370.602	-2.714	ppb	1.130	41.6	6.613	-2.71446
Cd 226.502	-0.0366	ppb	0.1144	312.1	34.8886	-0.03664
Co 228.615	-0.0579	ppb	0.3511	606.6	7.7255	-0.05788
Cr 267.716	0.0486	ppb	0.0718	147.8	8.2855	0.04861
Cu 324.754	0.1995	ppb	0.1588	79.6	274.753	0.19949
Fe 271.441	-5.3642	ppb	2.7639	51.5	101.996	-5.36415
K 766.491	0.5107	ppb	0.0824	16.1	316.811	0.51066
Mg 279.078	-0.7535	ppb	2.9717	394.4	34.6214	-0.75348
Mn 257.610	-0.0642	ppb	0.0914	142.3	139.397	-0.06420
Mo 202.032	0.7532	ppb	0.2792	37.1	25.3563	0.75317
Na 330.237	13.6359	ppb	164.657	1207.5	58.4939	13.63590
Ni 231.604	-0.0012	ppb	0.8336	67258.4	-5.8363	-0.00124
Pb 220.353	0.3366	ppb	1.1846	351.9	31.9032	0.33664
Sb 206.834	2.9213	ppb	0.4266	14.6	5.8047	2.92132
Se 196.026	4.5454	ppb	2.1135	46.5	14.0839	4.54544
Sn 189.925	1.9849	ppb	1.5333	77.2	-8.6258	1.98491
Sr 216.596	0.1823	ppb	0.4264	233.9	18.7592	0.18232
Ti 334.941	0.1151	ppb	0.0521	45.2	2.1606	0.11515
Tl 190.794	0.5621	ppb	1.5542	276.5	-13.0442	0.56213
V 292.401	0.0079	ppb	0.2395	3018.2	-10.0503	0.00793
Zn 206.200	0.7002	ppb	0.3516	50.2	58.4216	0.70022

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**CRI (CRI)** **5/8/2013, 3:04:20 PM** **Rack S, Tube 4**  
**Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.5112	10.0764	9.8591
Al 308.215	200.304	204.056	202.771
As 188.980	24.7238	17.5994	19.1217
B 249.678	92.8785	93.4365	93.7446
Ba 389.178	11.1355	11.0429	10.7800
Be 313.042	4.2450	4.2956	4.2581
Ca 370.602	490.2	494.8	496.7
Cd 226.502	5.2461	5.4210	5.3018
Co 228.615	10.9379	10.5124	10.0446
Cr 267.716	10.5960	10.7878	10.5976
Cu 324.754	21.1475	21.7726	21.7182
Fe 271.441	49.0179	42.7670	49.9587
K 766.491	1010.92	1020.48	1011.73
Mg 279.078	503.697	506.695	506.961
Mn 257.610	11.1230	11.3520	11.2350
Mo 202.032	10.4709	10.4719	10.2472
Na 330.237	931.528	1050.53	1250.27
Ni 231.604	42.1125	41.5854	41.1047
Pb 220.353	9.3321	8.2345	7.7435
Sb 206.834	27.9264	20.6314	22.1112
Se 196.026	12.6880	23.1037	22.2988
Sn 189.925	48.8491	50.6519	50.1879
Sr 216.596	10.2861	10.4185	10.1579
Ti 334.941	10.0035	10.1338	10.0377
Tl 190.794	25.9502	27.9481	30.5582
V 292.401	10.2480	10.2166	10.0986
Zn 206.200	20.7225	20.6496	22.7031

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.1489	ppb	0.3320	3.3	742.952	101.48866
Al 308.215	202.377	ppb	1.9069	0.9	847.111	101.18847
As 188.980	20.4816	ppb	3.7518	18.3	4.4019	102.40823
B 249.678	93.3532	ppb	0.4390	0.5	1584.45	93.35320
Ba 389.178	10.9861	ppb	0.1844	1.7	238.964	109.86143
Be 313.042	4.2663	ppb	0.0262	0.6	7447.03	106.65630
Ca 370.602	493.9	ppb	3.329	0.7	1537	98.77824
Cd 226.502	5.3229	ppb	0.0894	1.7	246.028	106.45896
Co 228.615	10.4983	ppb	0.4468	4.3	145.412	104.98329
Cr 267.716	10.6605	ppb	0.1103	1.0	550.206	106.60468
Cu 324.754	21.5461	ppb	0.3463	1.6	1242.82	107.73061
Fe 271.441	47.2479	ppb	3.9090	8.3	198.738	94.49578
K 766.491	1014.38	ppb	5.3059	0.5	38655.9	101.43755
Mg 279.078	505.784	ppb	1.8126	0.4	1173.66	101.15678
Mn 257.610	11.2366	ppb	0.1145	1.0	820.386	112.36642
Mo 202.032	10.3967	ppb	0.1294	1.2	100.130	103.96674
Na 330.237	1077.44	ppb	161.066	14.9	112.872	107.74413
Ni 231.604	41.6009	ppb	0.5041	1.2	117.862	104.00222
Pb 220.353	8.4367	ppb	0.8134	9.6	48.0610	84.36680
Sb 206.834	23.5563	ppb	3.8562	16.4	30.2974	117.78160
Se 196.026	19.3635	ppb	5.7951	29.9	21.9940	96.81747
Sn 189.925	49.8963	ppb	0.9361	1.9	37.8397	99.79262
Sr 216.596	10.2875	ppb	0.1303	1.3	142.590	102.87473
Ti 334.941	10.0584	ppb	0.0676	0.7	2963.65	100.58357
Tl 190.794	28.1522	ppb	2.3108	8.2	16.1364	112.60872
V 292.401	10.1877	ppb	0.0788	0.8	275.155	101.87719
Zn 206.200	21.3584	ppb	1.1651	5.5	33.9098	106.79198

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**Interf Check A (ICSA)                      5/8/2013, 3:09:46 PM                      Rack S, Tube 5**  
**Weight: 1                                      Volume: 1                                      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7910u	-0.0005u	-0.4812u
Al 308.215	526411	527560	525501
As 188.980	13.5372	-5.5713u	6.9789
B 249.678	-18.7443u	-18.8763u	-19.1881u
Ba 389.178	3.3863	3.4477	3.3917
Be 313.042	-0.1565u	-0.1566u	-0.1540u
Ca 370.602	485661	483578	483698
Cd 226.502	2.8799	2.8825	2.9759
Co 228.615	0.8413	0.8030	1.0910
Cr 267.716	0.5402	0.5285	0.8189
Cu 324.754	-7.1385u	-6.7159u	-6.8347u
Fe 271.441	186141	186476	186549
K 766.491	7.2621	6.8773	7.8007
Mg 279.078	518599	516891	520470
Mn 257.610	-0.0546	0.2081	0.5196
Mo 202.032	0.8768u	2.6567	1.9544
Na 330.237	548.212u	680.658u	829.508u
Ni 231.604	6.5255	4.1121	3.9954
Pb 220.353	2.7474	0.8535	1.7712
Sb 206.834	6.7587	1.7675	16.1239
Se 196.026	-8.8511u	-8.8085u	-6.0198u
Sn 189.925	-4.7389u	-4.1831u	0.6349
Sr 216.596	9.5343	10.3432	8.8172
Ti 334.941	1.8402	1.9535	2.0275
Tl 190.794	-5.6997u	-4.9218u	-6.5890u
V 292.401	1.1425	1.2575	0.8506
Zn 206.200	9.9631	9.8762	11.3958

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4242	ppb	0.3983	93.9	-77.1085	-0.42425
Al 308.215	526491	ppb	1031.72	0.2	2108682	-
As 188.980	4.9816	ppb	9.7096	194.9	-0.4283	4.98162
B 249.678	-18.9362	ppb	0.2279	1.2	-126.170	-18.93624
Ba 389.178	3.4086	ppb	0.0340	1.0	1634.21	3.40859
Be 313.042	-0.1557	ppb	0.0015	0.9	-473.780	-0.15571
Ca 370.602	484312	ppb	1169	0.2	1479418	-
Cd 226.502	2.9127	ppb	0.0547	1.9	780.405	2.91274
Co 228.615	0.9118	ppb	0.1564	17.2	13.4914	0.91176
Cr 267.716	0.6292	ppb	0.1644	26.1	90.1532	0.62921
Cu 324.754	-6.8964	ppb	0.2180	3.2	3.0288	-6.89636
Fe 271.441	186389	ppb	217.874	0.1	336355	-
K 766.491	7.3133	ppb	0.4638	6.3	574.053	7.31333
Mg 279.078	518653	ppb	1789.88	0.3	1166436	-
Mn 257.610	0.2244	ppb	0.2874	128.1	1707.95	0.22439
Mo 202.032	1.8293	ppb	0.8966	49.0	23.7149	1.82930
Na 330.237	686.126	ppb	140.727	20.5	-0.7452	686.12598
Ni 231.604	4.8777	ppb	1.4283	29.3	13.2615	4.87771
Pb 220.353	1.7907	ppb	0.9471	52.9	46.0387	1.79070
Sb 206.834	8.2167	ppb	7.2884	88.7	17.1159	8.21671
Se 196.026	-7.8931	ppb	1.6225	20.6	8.6301	-7.89315
Sn 189.925	-2.7624	ppb	2.9552	107.0	-12.9986	-2.76238
Sr 216.596	9.5649	ppb	0.7635	8.0	278.723	9.56489
Ti 334.941	1.9404	ppb	0.0943	4.9	3088.29	1.94039
Tl 190.794	-5.7368	ppb	0.8343	14.5	-29.8606	-5.73681
V 292.401	1.0835	ppb	0.2098	19.4	23.1304	1.08354
Zn 206.200	10.4117	ppb	0.8534	8.2	26.9642	10.41172

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**Interf Check AB (ICSAB) 5/8/2013, 3:15:12 PM Rack S, Tube 6**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	224.046	223.983	221.535
Al 308.215	543536	544273	543376
As 188.980	107.774	120.115	113.682
B 249.678	-22.1447u	-23.8146u	-23.4944u
Ba 389.178	529.456	533.943	534.201
Be 313.042	514.116	513.768	512.924
Ca 370.602	498155	498210	496645
Cd 226.502	1014.09	1017.15	1012.82
Co 228.615	506.707	507.474	507.186
Cr 267.716	517.931	519.718	519.190
Cu 324.754	575.279	572.298	576.152
Fe 271.441	191538	192270	191848
K 766.491	0.1127	1.0004	1.0331
Mg 279.078	533325	533744	534070
Mn 257.610	539.105	541.188	541.815
Mo 202.032	1096.12	1101.69	1097.68
Na 330.237	370.135u	753.774u	488.869u
Ni 231.604	993.540	999.440	992.372
Pb 220.353	44.2165	42.3344	48.5365
Sb 206.834	639.488	651.137	637.680
Se 196.026	61.0958	42.7556	52.3471
Sn 189.925	1033.07	1029.14	1020.65
Sr 216.596	11.1346	11.3577	11.8670
Ti 334.941	1.9347	1.9816	2.0346
Tl 190.794	87.5671	93.7691	90.0512
V 292.401	502.664	505.297	504.234
Zn 206.200	995.557	994.656	991.019

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	223.188	ppb	1.4318	0.6	17120.3	111.59397
Al 308.215	543728	ppb	478.613	0.1	2177817	108.74567
As 188.980	113.857	ppb	6.1722	5.4	49.5740	113.85680
B 249.678	-23.1512	ppb	0.8863	3.8	-188.352	-
Ba 389.178	532.533	ppb	2.6680	0.5	13517.1	106.50668
Be 313.042	513.602	ppb	0.6131	0.1	941761	102.72050
Ca 370.602	497670	ppb	888.1	0.2	1520218	99.53403
Cd 226.502	1014.69	ppb	2.2252	0.2	40622.9	101.46861
Co 228.615	507.122	ppb	0.3873	0.1	6578.87	101.42447
Cr 267.716	518.946	ppb	0.9181	0.2	26550.4	103.78923
Cu 324.754	574.577	ppb	2.0212	0.4	26392.7	114.91531
Fe 271.441	191886	ppb	367.396	0.2	346360	95.94286
K 766.491	0.7154	ppb	0.5222	73.0	324.553	-
Mg 279.078	533713	ppb	373.303	0.1	1200294	106.74262
Mn 257.610	540.703	ppb	1.4190	0.3	34254.7	108.14052
Mo 202.032	1098.50	ppb	2.8738	0.3	8528.41	109.84971
Na 330.237	537.593	ppb	196.406	36.5	-18.4200	-
Ni 231.604	995.117	ppb	3.7886	0.4	2957.70	99.51172
Pb 220.353	45.0291	ppb	3.1799	7.1	130.908	90.05826
Sb 206.834	642.768	ppb	7.3039	1.1	763.190	107.12804
Se 196.026	52.0661	ppb	9.1733	17.6	40.8008	104.13228
Sn 189.925	1027.62	ppb	6.3514	0.6	986.279	102.76184
Sr 216.596	11.4531	ppb	0.3754	3.3	241.210	-
Ti 334.941	1.9836	ppb	0.0500	2.5	3176.16	-
Tl 190.794	90.4625	ppb	3.1214	3.5	70.8467	90.46249
V 292.401	504.065	ppb	1.3244	0.3	13982.5	100.81303
Zn 206.200	993.744	ppb	2.4028	0.2	1583.67	99.37439



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LRA1 (Samp) 5/8/2013, 3:20:39 PM Rack S, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0540	0.1298	-0.1455
Al 308.215	48.4670	52.4621	53.1426
As 188.980	21610.2x	21781.5x	21577.4x
B 249.678	5279.96x	5324.37x	5320.55x
Ba 389.178	-1.4267u	-2.2794u	-2.2424u
Be 313.042	0.1085	0.1096	0.1171
Ca 370.602	967.5	980.9	958.8
Cd 226.502	-0.6657u	-0.8549u	-0.4778u
Co 228.615	10962.5	10948.3	10899.5
Cr 267.716	-1.8130	-1.9636	-1.9895
Cu 324.754	-8.2268u	-8.6193u	-8.3939u
Fe 271.441	-68.5715	-66.8664	-59.7952
K 766.491	-0.1346u	-1.3951u	0.0470
Mg 279.078	43.1528u	49.6297u	51.4695u
Mn 257.610	30300.1x	30424.1x	30190.5x
Mo 202.032	0.6619	-0.2340u	0.6598
Na 330.237	104497x	104895x	104792x
Ni 231.604	11037.6x	11061.8x	10984.9x
Pb 220.353	21130.3x	21171.1x	21040.5x
Sb 206.834	9.8054	4.7703	8.0645
Se 196.026	8.4307	-0.9045	5.7671
Sn 189.925	2.6136	3.4295	0.8214
Sr 216.596	-4.0986u	-4.7383u	-3.9834u
Ti 334.941	28115.4	28260.7	28077.0
Tl 190.794	90.3419	91.1951	90.7814
V 292.401	-5.1678	-5.4098	-5.0468
Zn 206.200	3.0470	3.8610	1.6942

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0127b	ppb	0.1422	1117.9	105.682
Al 308.215	51.3572b	ppb	2.5260	4.9	241.325
As 188.980	21656.3xb	ppb	109.594	0.5	9973.00
B 249.678	5308.29xb	ppb	24.6139	0.5	69754.7
Ba 389.178	-1.9828b	ppb	0.4820	24.3	-51.7355
Be 313.042	0.1118b	ppb	0.0047	4.2	-200.735
Ca 370.602	969.1b	ppb	11.15	1.2	8794
Cd 226.502	-0.6661b	ppb	0.1886	28.3	12.6661
Co 228.615	10936.8b	ppb	33.0467	0.3	143560
Cr 267.716	-1.9220b	ppb	0.0953	5.0	104.313
Cu 324.754	-8.4133b	ppb	0.1970	2.3	-115.818
Fe 271.441	-65.0777b	ppb	4.6536	7.2	1788.59
K 766.491	-0.4942b	ppb	0.7855	158.9	278.811
Mg 279.078	48.0840b	ppb	4.3685	9.1	-365.961
Mn 257.610	30304.9xb	ppb	116.850	0.4	1822494
Mo 202.032	0.3626b	ppb	0.5167	142.5	22.2587
Na 330.237	104728xb	ppb	206.304	0.2	5218.16
Ni 231.604	11028.1xb	ppb	39.2873	0.4	32784.2
Pb 220.353	21114.0xb	ppb	66.8205	0.3	42183.4
Sb 206.834	7.5467b	ppb	2.5572	33.9	11.3335
Se 196.026	4.4311b	ppb	4.8088	108.5	21.9971
Sn 189.925	2.2882b	ppb	1.3342	58.3	-8.2921
Sr 216.596	-4.2734b	ppb	0.4067	9.5	-250.756
Ti 334.941	28151.0b	ppb	96.8771	0.3	8377759
Tl 190.794	90.7728b	ppb	0.4267	0.5	42.1976
V 292.401	-5.2081b	ppb	0.1848	3.5	298.954
Zn 206.200	2.8674b	ppb	1.0945	38.2	4.9167

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LRA2 (Samp) 5/8/2013, 3:26:06 PM Rack S, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5113u	-0.6017u	0.0728u
Al 308.215	874848x	877338x	875598
As 188.980	76.4648	72.4290	55.6562
B 249.678	53.4650u	41.7146u	33.6470u
Ba 389.178	16.6337	17.7043	17.3154
Be 313.042	-0.1084	-0.1186	-0.1265
Ca 370.602	775325	773801	773390
Cd 226.502	14.1394	14.4329	15.3588
Co 228.615	10.9566	9.1806	10.3814
Cr 267.716	8.7061	8.2939	8.5806
Cu 324.754	-44.5770u	-44.1887u	-45.3300u
Fe 271.441	920974	928200	926237
K 766.491	425172x	426931x	429080x
Mg 279.078	833671	831251	837081
Mn 257.610	13.8140	13.1902	14.0218
Mo 202.032	4.1275u	3.6881u	2.5652u
Na 330.237	-2005.18u	-1801.73u	-1952.70u
Ni 231.604	8.3870	10.7930	7.7953
Pb 220.353	39.3584	36.1529	41.0580
Sb 206.834	4.8993	7.9636	6.3707
Se 196.026	-18.6845u	-19.1505u	-21.7875u
Sn 189.925	3.7704	3.5623	-1.9666u
Sr 216.596	52.5664	53.7151	53.9499
Ti 334.941	6.2575	5.8953	5.5909
Tl 190.794	-28.1091u	-34.5422u	-25.7951u
V 292.401	4.5247	5.7177	5.3512
Zn 206.200	27793.3	27764.0	27724.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3467b	ppb	0.3661	105.6	-79.6099
Al 308.215	875928xb	ppb	1277.22	0.1	3508214
As 188.980	68.1833b	ppb	11.0349	16.2	25.1857
B 249.678	42.9422b	ppb	9.9659	23.2	-277.520
Ba 389.178	17.2178b	ppb	0.5419	3.1	3749.59
Be 313.042	-0.1178b	ppb	0.0091	7.7	-322.566
Ca 370.602	774172b	ppb	1020	0.1	2315481
Cd 226.502	14.6437b	ppb	0.6364	4.3	3710.80
Co 228.615	10.1729b	ppb	0.9062	8.9	106.606
Cr 267.716	8.5269b	ppb	0.2113	2.5	681.536
Cu 324.754	-44.6986b	ppb	0.5803	1.3	-1513.07
Fe 271.441	925137b	ppb	3736.72	0.4	1669048
K 766.491	427061xb	ppb	1956.97	0.5	16149517
Mg 279.078	834001b	ppb	2928.84	0.4	1875733
Mn 257.610	13.6754b	ppb	0.4328	3.2	3904.69
Mo 202.032	3.4603b	ppb	0.8057	23.3	-3.1737
Na 330.237	-1919.87b	ppb	105.626	5.5	-711.781
Ni 231.604	8.9918b	ppb	1.5877	17.7	42.9829
Pb 220.353	38.8564b	ppb	2.4908	6.4	127.410
Sb 206.834	6.4112b	ppb	1.5326	23.9	35.0124
Se 196.026	-19.8742b	ppb	1.6733	8.4	6.9061
Sn 189.925	1.7887b	ppb	3.2538	181.9	-8.4715
Sr 216.596	53.4105b	ppb	0.7403	1.4	1200.06
Ti 334.941	5.9145b	ppb	0.3337	5.6	5894.94
Tl 190.794	-29.4821b	ppb	4.5323	15.4	-95.0793
V 292.401	5.1979b	ppb	0.6111	11.8	140.926
Zn 206.200	27760.7b	ppb	34.3163	0.1	43794.8

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**RINSE (Samp)** **5/8/2013, 3:31:32 PM** **Rack S, Tube 1**  
**Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1187	0.0175	-0.0044u
Al 308.215	3.3445	5.1946	4.3901
As 188.980	24.8425	23.3631	24.1197
B 249.678	16.2148	14.4502	13.6786
Ba 389.178	0.1673	-0.0360u	1.1501
Be 313.042	0.0210	0.0370	0.0244
Ca 370.602	-1.344u	-2.201u	1.437
Cd 226.502	-0.0177u	-0.1376u	0.0129
Co 228.615	-0.0897u	0.1671	0.4599
Cr 267.716	0.1429	0.1666	0.0383
Cu 324.754	-0.2208u	-0.3344u	-0.6442u
Fe 271.441	6.7803	3.0725	3.9760
K 766.491	3.2158	2.8786	3.2269
Mg 279.078	2.5426	-4.3393u	2.3522
Mn 257.610	0.0760	-0.0762u	0.0968
Mo 202.032	-0.2928u	-0.9989u	-0.3701u
Na 330.237	-74.2178u	-29.3824u	57.9096
Ni 231.604	1.0242	-0.1167u	-0.8159u
Pb 220.353	2.0311	-0.0405u	0.2053
Sb 206.834	0.5148	-0.7616u	1.6852
Se 196.026	-2.6826u	-1.0804u	1.9472
Sn 189.925	-1.8018u	1.4186	-4.5053u
Sr 216.596	0.2652	0.1464	0.2291
Ti 334.941	0.6618	0.5948	0.5913
Tl 190.794	-0.9478u	2.1146	-1.9735u
V 292.401	-0.0076u	-0.1218u	-0.2509u
Zn 206.200	0.1920	0.5000	0.4273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0439	ppb	0.0657	149.5	-33.5846
Al 308.215	4.3097	ppb	0.9277	21.5	52.9724
As 188.980	24.1084	ppb	0.7398	3.1	6.0715
B 249.678	14.7812	ppb	1.3001	8.8	557.391
Ba 389.178	0.4271	ppb	0.6343	148.5	1.4678
Be 313.042	0.0275	ppb	0.0084	30.6	-326.379
Ca 370.602	-0.7029	ppb	1.902	270.6	12.05
Cd 226.502	-0.0475	ppb	0.0795	167.6	34.4997
Co 228.615	0.1791	ppb	0.2750	153.5	10.8755
Cr 267.716	0.1159	ppb	0.0683	58.9	11.7287
Cu 324.754	-0.3998	ppb	0.2192	54.8	247.557
Fe 271.441	4.6096	ppb	1.9334	41.9	120.023
K 766.491	3.1071	ppb	0.1980	6.4	414.996
Mg 279.078	0.1851	ppb	3.9195	2117.1	36.7335
Mn 257.610	0.0322	ppb	0.0945	293.3	145.204
Mo 202.032	-0.5539	ppb	0.3873	69.9	15.2180
Na 330.237	-15.2302	ppb	67.1910	441.2	57.0044
Ni 231.604	0.0305	ppb	0.9289	3041.4	-5.7416
Pb 220.353	0.7320	ppb	1.1318	154.6	32.6940
Sb 206.834	0.4795	ppb	1.2238	255.2	2.9261
Se 196.026	-0.6053	ppb	2.3512	388.5	11.3356
Sn 189.925	-1.6295	ppb	2.9657	182.0	-12.1311
Sr 216.596	0.2136	ppb	0.0609	28.5	19.1864
Ti 334.941	0.6160	ppb	0.0397	6.4	151.215
Tl 190.794	-0.2689	ppb	2.1269	790.9	-13.9237
V 292.401	-0.1267	ppb	0.1217	96.0	-13.6407
Zn 206.200	0.3731	ppb	0.1610	43.2	0.9078

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Cont Calib Verif (CCV) 5/8/2013, 3:36:55 PM Rack 1, Tube 1  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	495.652	496.024	494.905
Al 308.215	4905.94	4921.95	4920.39
As 188.980	523.755	519.735	519.065
B 249.678	502.889	505.057	507.836
Ba 389.178	5158.51	5149.10	5154.93
Be 313.042	514.438	513.556	515.374
Ca 370.602	5029	5053	5060
Cd 226.502	519.651	520.915	519.802
Co 228.615	523.156	525.714	523.871
Cr 267.716	5172.00	5172.88	5179.06
Cu 324.754	5154.57	5153.91	5158.76
Fe 271.441	4956.14	4970.90	4983.51
K 766.491	10204.4	10234.0	10224.4
Mg 279.078	4977.88	4987.74	4979.19
Mn 257.610	5321.06	5309.58	5277.97
Mo 202.032	502.119	506.104	504.373
Na 330.237	7348.54	7105.35	7134.28
Ni 231.604	2600.61	2612.33	2614.02
Pb 220.353	493.398	495.141	497.041
Sb 206.834	991.796	993.439	991.942
Se 196.026	4944.29	4932.36	4921.47
Sn 189.925	5068.73	5033.93	5020.53
Sr 216.596	2526.98	2533.52	2529.90
Ti 334.941	498.130	499.206	498.758
Tl 190.794	5059.94	5080.57	5067.24
V 292.401	4985.92	4990.40	4989.83
Zn 206.200	2578.96	2591.32	2584.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.527	ppb	0.5702	0.1	37999.1	99.10539
Al 308.215	4916.09	ppb	8.8267	0.2	19709.8	98.32185
As 188.980	520.852	ppb	2.5366	0.5	234.844	104.17033
B 249.678	505.261	ppb	2.4801	0.5	6962.56	20.21043Q
Ba 389.178	5154.18	ppb	4.7517	0.1	115264	103.08360
Be 313.042	514.456	ppb	0.9090	0.2	943062	102.89117
Ca 370.602	5047	ppb	16.22	0.3	15467	100.94626
Cd 226.502	520.123	ppb	0.6903	0.1	20525.6	104.02451
Co 228.615	524.247	ppb	1.3195	0.3	6860.26	104.84938
Cr 267.716	5174.65	ppb	3.8443	0.1	264257	103.49298
Cu 324.754	5155.74	ppb	2.6349	0.1	234008	103.11489
Fe 271.441	4970.18	ppb	13.6982	0.3	9212.92	99.40369
K 766.491	10221.0	ppb	15.0821	0.1	386800	102.20950
Mg 279.078	4981.60	ppb	5.3559	0.1	11150.1	99.63205
Mn 257.610	5302.87	ppb	22.3149	0.4	319043	106.05740
Mo 202.032	504.199	ppb	1.9983	0.4	3919.86	100.83980
Na 330.237	7196.05	ppb	132.843	1.8	401.803	95.94738
Ni 231.604	2608.99	ppb	7.2997	0.3	7751.65	104.35948
Pb 220.353	495.193	ppb	1.8221	0.4	1020.33	99.03866
Sb 206.834	992.392	ppb	0.9098	0.1	1237.46	99.23922
Se 196.026	4932.71	ppb	11.4155	0.2	2645.13	98.65412
Sn 189.925	5041.06	ppb	24.8771	0.5	4878.32	100.82123
Sr 216.596	2530.14	ppb	3.2765	0.1	31237.0	101.20547
Ti 334.941	498.698	ppb	0.5406	0.1	148406	99.73961
Tl 190.794	5069.25	ppb	10.4651	0.2	5344.58	101.38499
V 292.401	4988.72	ppb	2.4405	0.0	140541	99.77435
Zn 206.200	2585.02	ppb	6.1838	0.2	4053.61	103.40099

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Cont Calib Blank (CCB) 5/8/2013, 3:42:19 PM Rack 1, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0719	-0.2246u	-0.2312u
Al 308.215	3.1568	2.7400	2.0093
As 188.980	9.1060	12.6946	7.0700
B 249.678	1.6150	-0.4080u	-1.3765u
Ba 389.178	0.6293	-0.2916u	0.3674
Be 313.042	-0.0086u	0.0072	0.0135
Ca 370.602	-1.929u	-3.019u	0.1968
Cd 226.502	-0.0095u	0.0010	0.0157
Co 228.615	0.2889	-0.0011	-0.3777u
Cr 267.716	-0.1531u	-0.0044u	0.0847
Cu 324.754	0.0727	-0.1109u	-0.0598u
Fe 271.441	-1.0312u	1.2501	1.1433
K 766.491	0.5110	-0.2466u	0.9237
Mg 279.078	2.3933	-2.1114u	-0.7689u
Mn 257.610	-0.1044u	-0.0740u	-0.0816u
Mo 202.032	0.0095	-0.3863u	-0.6053u
Na 330.237	-95.3859u	-25.3967u	24.1544
Ni 231.604	-0.2199u	1.3170	0.9094
Pb 220.353	1.5300	1.5245	0.0290
Sb 206.834	4.4104	8.2585	4.6354
Se 196.026	-4.9244u	1.9352	-0.4547u
Sn 189.925	0.2588	1.7390	0.3786
Sr 216.596	-0.5328u	0.3660	-0.1853u
Ti 334.941	0.1329	0.1117	0.1369
Tl 190.794	-1.9068u	2.8986	6.3028
V 292.401	0.2220	0.0518	0.2069
Zn 206.200	-0.1994u	-0.8248u	0.0469

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1280	ppb	0.1732	135.3	-46.7812	-0.12797
Al 308.215	2.6354	ppb	0.5809	22.0	46.2603	2.63537
As 188.980	9.6235	ppb	2.8478	29.6	-0.6023	9.62354
B 249.678	-0.0565	ppb	1.5264	2701.1	363.435	-0.05651
Ba 389.178	0.2350	ppb	0.4745	201.9	-2.8334	0.23504
Be 313.042	0.0040	ppb	0.0114	284.2	-369.435	0.00401
Ca 370.602	-1.584	ppb	1.636	103.3	9.664	-1.58397
Cd 226.502	0.0024	ppb	0.0126	527.2	36.4441	0.00240
Co 228.615	-0.0300	ppb	0.3343	1116.0	8.1314	-0.02995
Cr 267.716	-0.0243	ppb	0.1201	494.8	4.5608	-0.02428
Cu 324.754	-0.0326	ppb	0.0947	290.3	264.201	-0.03264
Fe 271.441	0.4541	ppb	1.2874	283.5	112.494	0.45410
K 766.491	0.3960	ppb	0.5936	149.9	312.476	0.39601
Mg 279.078	-0.1623	ppb	2.3128	1424.8	35.9549	-0.16232
Mn 257.610	-0.0867	ppb	0.0158	18.3	138.051	-0.08668
Mo 202.032	-0.3274	ppb	0.3116	95.2	16.9750	-0.32735
Na 330.237	-32.2094	ppb	60.0606	186.5	56.1442	-32.20944
Ni 231.604	0.6688	ppb	0.7962	119.0	-3.8439	0.66883
Pb 220.353	1.0278	ppb	0.8650	84.2	33.2852	1.02783
Sb 206.834	5.7681	ppb	2.1597	37.4	9.1973	5.76808
Se 196.026	-1.1480	ppb	3.4819	303.3	11.0460	-1.14796
Sn 189.925	0.7921	ppb	0.8222	103.8	-9.7827	0.79209
Sr 216.596	-0.1174	ppb	0.4532	386.1	15.0967	-0.11737
Ti 334.941	0.1272	ppb	0.0135	10.6	5.7441	0.12716
Tl 190.794	2.4315	ppb	4.1247	169.6	-11.0656	2.43154
V 292.401	0.1602	ppb	0.0942	58.8	-5.5245	0.16022
Zn 206.200	-0.3258	ppb	0.4493	137.8	0.1924	-0.32576

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**mb 680-275816/1-a (Samp)**      **5/8/2013, 3:47:43 PM**      **Rack 1, Tube 3**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0814u	-0.3382u	-0.2608u
Al 308.215	1.5396	4.1273	1.5816
As 188.980	5.6888	4.3498	6.9006
B 249.678	-6.3220u	-6.7308u	-6.8727u
Ba 389.178	-0.4863u	0.4327	-0.7446u
Be 313.042	-0.0035u	-0.0075u	0.0003
Ca 370.602	-0.6423u	3.677	0.1534
Cd 226.502	0.0492	-0.2100u	0.0153
Co 228.615	0.1695	0.0997	0.0342
Cr 267.716	-0.1592u	0.0297	-0.0488u
Cu 324.754	0.3997	0.3617	-0.0600u
Fe 271.441	-4.1267u	-3.3480u	2.9263
K 766.491	1.8255	1.6327	1.7486
Mg 279.078	1.2299	-0.8353u	1.9946
Mn 257.610	-0.1843u	-0.4045u	-0.3266u
Mo 202.032	-0.6540u	-0.1412u	-0.9362u
Na 330.237	62.9075	272.836	198.876
Ni 231.604	0.4429	0.0823	0.9162
Pb 220.353	1.9475	1.0312	-0.1454u
Sb 206.834	4.8436	-3.3638u	3.7763
Se 196.026	6.3321	-2.7186u	-0.1135u
Sn 189.925	-0.0263u	-2.3995u	-1.4714u
Sr 216.596	0.6428	-0.0935u	0.2592
Ti 334.941	0.0394	0.0546	0.0912
Tl 190.794	-3.4350u	-2.3721u	1.5027
V 292.401	0.1092	-0.0221u	-0.1273u
Zn 206.200	0.5065	-1.3922u	0.5134

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2268	ppb	0.1317	58.1	-54.4111
Al 308.215	2.4162	ppb	1.4821	61.3	45.3853
As 188.980	5.6464	ppb	1.2760	22.6	-2.4347
B 249.678	-6.6418	ppb	0.2859	4.3	277.352
Ba 389.178	-0.2661	ppb	0.6188	232.6	-14.0390
Be 313.042	-0.0036	ppb	0.0039	110.0	-383.355
Ca 370.602	1.063	ppb	2.299	216.3	17.99
Cd 226.502	-0.0485	ppb	0.1409	290.6	34.4322
Co 228.615	0.1012	ppb	0.0677	66.9	9.8422
Cr 267.716	-0.0594	ppb	0.0949	159.7	2.7706
Cu 324.754	0.2338	ppb	0.2551	109.1	276.282
Fe 271.441	-1.5161	ppb	3.8669	255.1	108.958
K 766.491	1.7356	ppb	0.0970	5.6	363.132
Mg 279.078	0.7964	ppb	1.4639	183.8	38.1115
Mn 257.610	-0.3052	ppb	0.1116	36.6	124.914
Mo 202.032	-0.5771	ppb	0.4031	69.8	15.0380
Na 330.237	178.206	ppb	106.479	59.8	66.9517
Ni 231.604	0.4805	ppb	0.4182	87.0	-4.4039
Pb 220.353	0.9444	ppb	1.0492	111.1	33.1186
Sb 206.834	1.7520	ppb	4.4625	254.7	4.4328
Se 196.026	1.1667	ppb	4.6592	399.4	12.2810
Sn 189.925	-1.2991	ppb	1.1960	92.1	-11.8106
Sr 216.596	0.2695	ppb	0.3683	136.7	19.8753
Ti 334.941	0.0617	ppb	0.0266	43.1	-13.7444
Tl 190.794	-1.4348	ppb	2.5989	181.1	-15.1566
V 292.401	-0.0134	ppb	0.1185	882.8	-10.4341
Zn 206.200	-0.1241	ppb	1.0982	385.1	0.1249

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ics 680-275816/2-a (Samp)      5/8/2013, 3:53:08 PM      Rack 1, Tube 4  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	104.953	104.397	104.286
Al 308.215	10133.8	10162.6	10140.5
As 188.980	225.508	215.525	217.225
B 249.678	382.931	386.049	387.707
Ba 389.178	209.793	210.260	210.599
Be 313.042	107.829	107.902	108.065
Ca 370.602	9907	9951	9950
Cd 226.502	106.141	106.130	106.392
Co 228.615	105.431	106.086	106.325
Cr 267.716	209.798	210.210	210.308
Cu 324.754	214.578	214.977	215.991
Fe 271.441	9970.31	9989.50	10010.2
K 766.491	10302.4	10311.7	10346.1
Mg 279.078	10081.2	10075.5	10096.5
Mn 257.610	1069.03	1069.85	1080.74
Mo 202.032	204.650	205.278	205.421
Na 330.237	9994.95	9970.02	10130.1
Ni 231.604	209.555	207.568	207.521
Pb 220.353	102.695	97.5905	100.995
Sb 206.834	104.332	102.547	101.129
Se 196.026	192.567	200.646	195.381
Sn 189.925	400.969	405.287	400.418
Sr 216.596	206.493	206.648	205.446
Ti 334.941	201.560	202.246	202.480
Tl 190.794	81.2436	85.6052	75.1631
V 292.401	205.301	205.075	206.261
Zn 206.200	207.315	206.485	206.010

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	104.545	ppb	0.3575	0.3	7997.51
Al 308.215	10145.6	ppb	15.0420	0.1	40686.4
As 188.980	219.419	ppb	5.3406	2.4	96.0197
B 249.678	385.563	ppb	2.4249	0.6	5391.40
Ba 389.178	210.217	ppb	0.4049	0.2	4732.56
Be 313.042	107.932	ppb	0.1207	0.1	197572
Ca 370.602	9936	ppb	25.22	0.3	29948
Cd 226.502	106.221	ppb	0.1480	0.1	4250.67
Co 228.615	105.947	ppb	0.4632	0.4	1389.40
Cr 267.716	210.105	ppb	0.2706	0.1	10741.4
Cu 324.754	215.182	ppb	0.7286	0.3	10028.5
Fe 271.441	9990.01	ppb	19.9541	0.2	18153.1
K 766.491	10320.1	ppb	23.0063	0.2	390549
Mg 279.078	10084.4	ppb	10.8822	0.1	22697.8
Mn 257.610	1073.20	ppb	6.5361	0.6	64713.8
Mo 202.032	205.116	ppb	0.4098	0.2	1609.49
Na 330.237	10031.7	ppb	86.1055	0.9	564.908
Ni 231.604	208.214	ppb	1.1610	0.6	613.494
Pb 220.353	100.427	ppb	2.5990	2.6	231.793
Sb 206.834	102.669	ppb	1.6052	1.6	124.635
Se 196.026	196.198	ppb	4.1012	2.1	116.701
Sn 189.925	402.225	ppb	2.6664	0.7	379.538
Sr 216.596	206.196	ppb	0.6541	0.3	2559.79
Ti 334.941	202.095	ppb	0.4783	0.2	60161.2
Tl 190.794	80.6706	ppb	5.2446	6.5	69.5693
V 292.401	205.546	ppb	0.6299	0.3	5747.04
Zn 206.200	206.603	ppb	0.6695	0.3	225.939

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**lb 680-275293/12-d (Samp)**      **5/8/2013, 3:58:32 PM**      **Rack 1, Tube 5**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0137	0.2234	0.0401
Al 308.215	4.4171	4.2400	3.3987
As 188.980	0.4055	-1.9537u	-2.3540u
B 249.678	3.6526	3.1485	2.3073
Ba 389.178	0.4054	0.8522	0.8751
Be 313.042	0.0050u	-0.0090u	-0.0016u
Ca 370.602	80.21	88.56	80.80
Cd 226.502	0.0428	-0.2140u	0.1206
Co 228.615	0.4003	-0.0767u	-0.3972u
Cr 267.716	-0.0282	0.0815	-0.0196
Cu 324.754	-0.0449u	0.3457	0.6517
Fe 271.441	-8.0273u	-1.9631u	-4.9569u
K 766.491	28.7369	29.5082	28.9491
Mg 279.078	16.5978	18.3094	19.5572
Mn 257.610	-0.0655u	0.0073	0.0184
Mo 202.032	-0.2084u	-0.1596u	0.0141
Na 330.237	112630x	113649x	112924x
Ni 231.604	0.0390	1.0000	1.4844
Pb 220.353	2.5808	-0.4155u	0.9090
Sb 206.834	-1.2225u	3.6754	1.1720
Se 196.026	3.2194	-2.4128u	-4.2687u
Sn 189.925	-3.5981u	-1.2891u	-0.4380u
Sr 216.596	0.4495	0.1315	0.3589
Ti 334.941	0.0210u	0.0221u	0.0015u
Tl 190.794	-3.2894u	-4.7236u	-2.0992u
V 292.401	-0.1503u	-0.1336u	-0.0571u
Zn 206.200	3.2583	1.8565	2.0798

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0924b	ppb	0.1142	123.5	-29.8730
Al 308.215	4.0186b	ppb	0.5441	13.5	51.8457
As 188.980	-1.3007b	ppb	1.4912	114.6	-5.6350
B 249.678	3.0362b	ppb	0.6796	22.4	403.871
Ba 389.178	0.7109b	ppb	0.2648	37.3	7.8463
Be 313.042	-0.0019b	ppb	0.0070	374.9	-392.493
Ca 370.602	83.19b	ppb	4.658	5.6	271.6
Cd 226.502	-0.0169b	ppb	0.1751	1037.4	35.0245
Co 228.615	-0.0245b	ppb	0.4013	1635.7	8.1838
Cr 267.716	0.0112b	ppb	0.0610	544.0	8.4351
Cu 324.754	0.3175b	ppb	0.3492	110.0	280.091
Fe 271.441	-4.9825b	ppb	3.0322	60.9	102.686
K 766.491	29.0647b	ppb	0.3984	1.4	1396.58
Mg 279.078	18.1548b	ppb	1.4858	8.2	77.1501
Mn 257.610	-0.0133b	ppb	0.0456	343.2	142.358
Mo 202.032	-0.1180b	ppb	0.1169	99.1	18.5999
Na 330.237	113068xb	ppb	524.715	0.5	5864.89
Ni 231.604	0.8411b	ppb	0.7357	87.5	-3.3316
Pb 220.353	1.0248b	ppb	1.5015	146.5	33.2786
Sb 206.834	1.2083b	ppb	2.4492	202.7	3.7815
Se 196.026	-1.1540b	ppb	3.8995	337.9	11.0427
Sn 189.925	-1.7751b	ppb	1.6351	92.1	-12.2272
Sr 216.596	0.3133b	ppb	0.1639	52.3	20.4018
Ti 334.941	0.0149b	ppb	0.0116	77.8	-36.5867
Tl 190.794	-3.3707b	ppb	1.3140	39.0	-17.2053
V 292.401	-0.1137b	ppb	0.0497	43.7	-14.2480
Zn 206.200	2.3982b	ppb	0.7532	31.4	4.0942



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**680-89836-a-1-f (Samp)**                      **5/8/2013, 4:03:57 PM**                      **Rack 1, Tube 6**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.3296	2.3285	2.4145
Al 308.215	5.5018	6.6366	3.7433
As 188.980	0.1345	-1.8738u	5.0213
B 249.678	4.6111	3.9859	3.3846
Ba 389.178	7.2068	7.9093	6.7621
Be 313.042	-0.0083u	-0.0131u	-0.0107u
Ca 370.602	30256	30305	30213
Cd 226.502	0.2718	0.2208	0.2458
Co 228.615	-0.5918u	0.1317	0.1681
Cr 267.716	0.0413	0.1997	-0.0330
Cu 324.754	0.6884	0.4824	0.0457
Fe 271.441	48.7102	41.7968	40.0962
K 766.491	10876.1	10920.9	10924.8
Mg 279.078	5951.75	5957.91	5944.74
Mn 257.610	48.2870	48.3576	48.2639
Mo 202.032	-0.4645u	-0.4089u	-0.5964u
Na 330.237	113468x	113768x	113455x
Ni 231.604	3.0585	1.5889	0.8900
Pb 220.353	1.2018	1.0008	1.4180
Sb 206.834	0.1624	1.6065	1.8088
Se 196.026	3.2120	2.5256	-2.7424u
Sn 189.925	-0.0003	1.7173	-0.8477u
Sr 216.596	73.1874	72.7232	72.7943
Ti 334.941	-0.0869u	0.0145	-0.0563
Tl 190.794	-3.4665u	-2.8433u	-1.8240u
V 292.401	-0.0852u	0.1328	-0.0228u
Zn 206.200	8.2545	7.1034	6.6167

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3576b	ppb	0.0493	2.1	141.024
Al 308.215	5.2939b	ppb	1.4578	27.5	56.9143
As 188.980	1.0940b	ppb	3.5463	324.2	-4.2988
B 249.678	3.9938b	ppb	0.6133	15.4	416.353
Ba 389.178	7.2927b	ppb	0.5784	7.9	170.046
Be 313.042	-0.0107b	ppb	0.0024	22.4	-399.280
Ca 370.602	30258b	ppb	45.69	0.2	93358
Cd 226.502	0.2461b	ppb	0.0255	10.4	45.6106
Co 228.615	-0.0973b	ppb	0.4286	440.4	7.2558
Cr 267.716	0.0693b	ppb	0.1189	171.5	11.6446
Cu 324.754	0.4055b	ppb	0.3282	80.9	284.082
Fe 271.441	43.5344b	ppb	4.5623	10.5	190.197
K 766.491	10907.3b	ppb	27.0290	0.2	412754
Mg 279.078	5951.47b	ppb	6.5916	0.1	13421.2
Mn 257.610	48.3028b	ppb	0.0488	0.1	3064.11
Mo 202.032	-0.4899b	ppb	0.0963	19.7	15.7123
Na 330.237	113564xb	ppb	177.359	0.2	5890.31
Ni 231.604	1.8458b	ppb	1.1069	60.0	-0.3433
Pb 220.353	1.2068b	ppb	0.2086	17.3	33.6557
Sb 206.834	1.1926b	ppb	0.8979	75.3	3.7719
Se 196.026	0.9984b	ppb	3.2577	326.3	12.2047
Sn 189.925	0.2897b	ppb	1.3069	451.0	-10.2098
Sr 216.596	72.9016b	ppb	0.2501	0.3	921.623
Ti 334.941	-0.0429b	ppb	0.0520	121.2	-25.3357
Tl 190.794	-2.7113b	ppb	0.8292	30.6	-16.5865
V 292.401	0.0083b	ppb	0.1122	1355.3	-10.6541
Zn 206.200	7.3248b	ppb	0.8411	11.5	518.534

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**680-89836-a-1-fSD^5 (Samp)**      **5/8/2013, 4:09:22 PM**      **Rack 1, Tube 7**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3959	0.1682	0.1571
Al 308.215	0.4388	6.0629	2.7377
As 188.980	1.0775	-0.8121u	4.3613
B 249.678	-12.7032u	-12.9574u	-12.4122u
Ba 389.178	1.2323	1.7969	1.9614
Be 313.042	-0.0141u	-0.0103u	-0.0104u
Ca 370.602	6511	6547	6457
Cd 226.502	0.0378	-0.0621u	0.0980
Co 228.615	-0.0928u	-0.4034u	-0.2674u
Cr 267.716	-0.1235u	0.0760	-0.0180u
Cu 324.754	-0.0638u	0.4084	-0.2669u
Fe 271.441	3.9976	9.4468	0.1570
K 766.491	2090.54	2105.48	2070.82
Mg 279.078	1298.77	1301.04	1277.11
Mn 257.610	11.1577	10.8947	11.0615
Mo 202.032	-0.3410u	-0.3122u	-0.0227u
Na 330.237	23099.7	22959.2	22618.1
Ni 231.604	0.2917	0.3835	-0.0242u
Pb 220.353	1.0543	-0.2110u	-0.7284u
Sb 206.834	0.7790	3.7760	2.5929
Se 196.026	4.5481	-7.1018u	-0.1021u
Sn 189.925	-3.7341u	-2.4053u	-0.7274u
Sr 216.596	16.2215	15.9299	15.1373
Ti 334.941	-0.0310u	-0.1008u	-0.0312u
Tl 190.794	-1.8512u	-3.6334u	-3.1887u
V 292.401	-0.0599u	0.2698	0.1086
Zn 206.200	1.6127	1.7583	1.2557

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2404	ppb	0.1348	56.1	-19.1729
Al 308.215	3.0798	ppb	2.8277	91.8	48.0568
As 188.980	1.5422	ppb	2.6178	169.7	-4.2755
B 249.678	-12.6909	ppb	0.2728	2.1	198.275
Ba 389.178	1.6635	ppb	0.3824	23.0	32.3726
Be 313.042	-0.0116	ppb	0.0022	18.5	-398.522
Ca 370.602	6505	ppb	45.39	0.7	20083
Cd 226.502	0.0246	ppb	0.0809	329.3	37.2132
Co 228.615	-0.2545	ppb	0.1557	61.2	5.1936
Cr 267.716	-0.0218	ppb	0.0998	457.4	5.1565
Cu 324.754	0.0259	ppb	0.3465	1337.0	266.861
Fe 271.441	4.5338	ppb	4.6681	103.0	119.816
K 766.491	2088.94	ppb	17.3829	0.8	79290.4
Mg 279.078	1292.31	ppb	13.2079	1.0	2942.72
Mn 257.610	11.0380	ppb	0.1330	1.2	810.539
Mo 202.032	-0.2253	ppb	0.1761	78.2	17.7667
Na 330.237	22892.3	ppb	247.677	1.1	1233.52
Ni 231.604	0.2170	ppb	0.2139	98.5	-5.1872
Pb 220.353	0.0383	ppb	0.9171	2393.7	31.3119
Sb 206.834	2.3826	ppb	1.5095	63.4	5.1786
Se 196.026	-0.8853	ppb	5.8643	662.4	11.1892
Sn 189.925	-2.2889	ppb	1.5067	65.8	-12.7583
Sr 216.596	15.7629	ppb	0.5611	3.6	212.240
Ti 334.941	-0.0543	ppb	0.0402	74.0	-43.8910
Tl 190.794	-2.8911	ppb	0.9276	32.1	-16.7156
V 292.401	0.1061	ppb	0.1649	155.3	-7.2538
Zn 206.200	1.5423	ppb	0.2586	16.8	2.7481

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**680-89836-a-1-fPDS (Samp) 5/8/2013, 4:14:48 PM Rack 1, Tube 8**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.5282	50.6165	51.2093
Al 308.215	1945.53	1952.90	1959.95
As 188.980	2129.82	2103.46	2107.47
B 249.678	1018.76	1021.60	1028.63
Ba 389.178	2052.87	2049.31	2046.94
Be 313.042	51.0333	50.9734	51.1177
Ca 370.602	34999	35077	35104
Cd 226.502	51.4698	51.5856	51.5896
Co 228.615	516.621	513.226	519.354
Cr 267.716	203.595	202.603	202.781
Cu 324.754	260.550	257.847	260.070
Fe 271.441	1013.90	1014.12	1016.62
K 766.491	16332.1	16272.9	16237.5
Mg 279.078	11057.4	11040.2	11057.5
Mn 257.610	574.289	566.786	564.858
Mo 202.032	527.818	528.268	529.858
Na 330.237	118762x	118517x	118794x
Ni 231.604	505.059	504.596	503.115
Pb 220.353	481.607	484.195	484.938
Sb 206.834	494.455	487.028	491.182
Se 196.026	1999.15	2009.44	1987.63
Sn 189.925	1035.53	1038.30	1041.51
Sr 216.596	600.577	602.549	599.314
Ti 334.941	1012.53	1008.76	1009.80
Tl 190.794	2038.56	2031.59	2029.91
V 292.401	489.573	488.295	488.966
Zn 206.200	512.355	508.527	506.157

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1180b	ppb	0.4627	0.9	3870.92
Al 308.215	1952.80b	ppb	7.2129	0.4	7899.52
As 188.980	2113.58b	ppb	14.2028	0.7	968.944
B 249.678	1023.00b	ppb	5.0805	0.5	13735.8
Ba 389.178	2049.71b	ppb	2.9836	0.1	45853.1
Be 313.042	51.0414b	ppb	0.0725	0.1	93150.5
Ca 370.602	35060b	ppb	54.87	0.2	108292
Cd 226.502	51.5483b	ppb	0.0681	0.1	2068.33
Co 228.615	516.400b	ppb	3.0699	0.6	6757.11
Cr 267.716	202.993b	ppb	0.5288	0.3	10374.7
Cu 324.754	259.489b	ppb	1.4422	0.6	12040.6
Fe 271.441	1014.88b	ppb	1.5110	0.1	2031.67
K 766.491	16280.9b	ppb	47.7910	0.3	615954
Mg 279.078	11051.7b	ppb	9.9327	0.1	24883.0
Mn 257.610	568.644b	ppb	4.9826	0.9	34369.0
Mo 202.032	528.648b	ppb	1.0719	0.2	4118.78
Na 330.237	118691xb	ppb	151.443	0.1	6141.60
Ni 231.604	504.257b	ppb	1.0158	0.2	1493.51
Pb 220.353	483.580b	ppb	1.7489	0.4	995.483
Sb 206.834	490.888b	ppb	3.7222	0.8	579.128
Se 196.026	1998.74b	ppb	10.9088	0.5	1078.32
Sn 189.925	1038.45b	ppb	2.9917	0.3	996.606
Sr 216.596	600.813b	ppb	1.6304	0.3	7419.39
Ti 334.941	1010.36b	ppb	1.9456	0.2	300699
Tl 190.794	2033.36b	ppb	4.5856	0.2	2137.29
V 292.401	488.945b	ppb	0.6393	0.1	13703.0
Zn 206.200	509.013b	ppb	3.1276	0.6	800.970

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**680-89836-a-1-g ms (Samp)**      **5/8/2013, 4:20:14 PM**      **Rack 1, Tube 9**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	64.6336	64.9916	65.1128
Al 308.215	854.177	849.972	858.862
As 188.980	91.6075	91.1266	89.7736
B 249.678	176.931	176.894	176.444
Ba 389.178	90.2896	91.4112	90.7136
Be 313.042	87.0513	86.8282	87.0657
Ca 370.602	34409	34416	34627
Cd 226.502	86.8273	86.6360	86.9565
Co 228.615	85.6987	86.7579	86.6307
Cr 267.716	85.9314	86.0337	86.5686
Cu 324.754	89.6776	88.9008	88.4010
Fe 271.441	8240.77	8251.72	8265.70
K 766.491	18126.5	18046.8	17945.2
Mg 279.078	13377.1	13385.6	13424.8
Mn 257.610	942.035	941.535	927.114
Mo 202.032	82.9632	83.9376	84.1929
Na 330.237	106064x	106075x	106398x
Ni 231.604	88.5239	90.5976	90.1887
Pb 220.353	81.8230	83.9400	82.5865
Sb 206.834	83.8045	84.7388	90.4158
Se 196.026	89.4505	90.6988	93.7724
Sn 189.925	81.3844	79.0475	83.5331
Sr 216.596	147.258	148.002	148.441
Ti 334.941	82.8534	82.5131	82.5069
Tl 190.794	14.5281	17.3123	14.1646
V 292.401	83.9600	83.3819	83.4726
Zn 206.200	88.4249	90.5455	90.9315

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	64.9127b	ppb	0.2492	0.4	4951.48
Al 308.215	854.337b	ppb	4.4472	0.5	3464.16
As 188.980	90.8359b	ppb	0.9509	1.0	37.0034
B 249.678	176.756b	ppb	0.2713	0.2	2664.09
Ba 389.178	90.8048b	ppb	0.5663	0.6	2067.87
Be 313.042	86.9817b	ppb	0.1331	0.2	159161
Ca 370.602	34484b	ppb	123.8	0.4	105788
Cd 226.502	86.8066b	ppb	0.1612	0.2	3480.23
Co 228.615	86.3624b	ppb	0.5783	0.7	1134.74
Cr 267.716	86.1779b	ppb	0.3422	0.4	4413.84
Cu 324.754	88.9931b	ppb	0.6433	0.7	4304.40
Fe 271.441	8252.73b	ppb	12.4955	0.2	15014.5
K 766.491	18039.5b	ppb	90.9109	0.5	682457
Mg 279.078	13395.8b	ppb	25.4148	0.2	30150.9
Mn 257.610	936.895b	ppb	8.4740	0.9	56524.8
Mo 202.032	83.6979b	ppb	0.6489	0.8	668.084
Na 330.237	106179xb	ppb	189.598	0.2	5505.65
Ni 231.604	89.7701b	ppb	1.0984	1.2	261.277
Pb 220.353	82.7832b	ppb	1.0721	1.3	196.598
Sb 206.834	86.3197b	ppb	3.5780	4.1	105.427
Se 196.026	91.3072b	ppb	2.2242	2.4	60.6799
Sn 189.925	81.3217b	ppb	2.2435	2.8	68.3747
Sr 216.596	147.900b	ppb	0.5980	0.4	1848.24
Ti 334.941	82.6245b	ppb	0.1983	0.2	24614.0
Tl 190.794	15.3350b	ppb	1.7220	11.2	0.7475
V 292.401	83.6049b	ppb	0.3109	0.4	2330.69
Zn 206.200	89.9673b	ppb	1.3496	1.5	142.554

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**680-89836-a-1-h msd (Samp) 5/8/2013, 4:25:40 PM Rack 1, Tube 10****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	71.1409	72.2347	71.4462
Al 308.215	810.316	810.953	804.886
As 188.980	80.5712	86.9692	79.3831
B 249.678	157.412	158.089	158.511
Ba 389.178	86.4151	86.8543	85.2901
Be 313.042	82.3678	82.4252	82.0763
Ca 370.602	32526	32558	32473
Cd 226.502	81.6310	82.1349	82.1627
Co 228.615	81.3205	80.8500	81.5843
Cr 267.716	81.2283	81.5869	81.3559
Cu 324.754	83.2804	83.4445	81.7234
Fe 271.441	7811.43	7790.59	7799.15
K 766.491	17112.6	17093.2	16981.9
Mg 279.078	12652.0	12675.3	12654.7
Mn 257.610	875.141	879.434	882.732
Mo 202.032	79.7916	80.3047	79.5139
Na 330.237	100098x	99799.8x	100151x
Ni 231.604	79.8961	81.4544	82.6930
Pb 220.353	76.6456	78.0505	74.6252
Sb 206.834	79.2256	83.5571	77.5631
Se 196.026	80.0138	85.3151	74.7499
Sn 189.925	78.9182	75.9055	76.2743
Sr 216.596	138.632	139.977	139.025
Ti 334.941	78.0726	78.2765	78.1190
Tl 190.794	11.6714	17.5534	14.5717
V 292.401	79.4892	78.9491	78.8238
Zn 206.200	85.9880	86.3630	86.6704

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	71.6072b	ppb	0.5644	0.8	5466.32
Al 308.215	808.718b	ppb	3.3340	0.4	3281.14
As 188.980	82.3078b	ppb	4.0803	5.0	33.0632
B 249.678	158.004b	ppb	0.5543	0.4	2419.55
Ba 389.178	86.1865b	ppb	0.8068	0.9	1962.09
Be 313.042	82.2898b	ppb	0.1871	0.2	150555
Ca 370.602	32519b	ppb	42.77	0.1	99760
Cd 226.502	81.9762b	ppb	0.2993	0.4	3288.60
Co 228.615	81.2516b	ppb	0.3720	0.5	1068.06
Cr 267.716	81.3903b	ppb	0.1818	0.2	4168.96
Cu 324.754	82.8161b	ppb	0.9499	1.1	4024.14
Fe 271.441	7800.39b	ppb	10.4757	0.1	14197.6
K 766.491	17062.6b	ppb	70.5637	0.4	645515
Mg 279.078	12660.7b	ppb	12.7496	0.1	28498.2
Mn 257.610	879.103b	ppb	3.8064	0.4	53047.2
Mo 202.032	79.8701b	ppb	0.4012	0.5	638.428
Na 330.237	100016xb	ppb	189.213	0.2	5189.43
Ni 231.604	81.3478b	ppb	1.4015	1.7	236.224
Pb 220.353	76.4404b	ppb	1.7218	2.3	183.928
Sb 206.834	80.1153b	ppb	3.0945	3.9	98.0200
Se 196.026	80.0262b	ppb	5.2826	6.6	54.6442
Sn 189.925	77.0327b	ppb	1.6433	2.1	64.2118
Sr 216.596	139.211b	ppb	0.6915	0.5	1740.66
Ti 334.941	78.1561b	ppb	0.1069	0.1	23281.1
Tl 190.794	14.5988b	ppb	2.9410	20.1	0.0683
V 292.401	79.0874b	ppb	0.3536	0.4	2204.11
Zn 206.200	86.3405b	ppb	0.3418	0.4	136.811

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**mb 680-275946/1-a (Samp)      5/8/2013, 4:31:06 PM      Rack 1, Tube 11**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4155	-0.0908u	0.3772
Al 308.215	3.4925	3.7243	1.6427
As 188.980	-8.6479u	4.6450	2.7682
B 249.678	-9.5094u	-10.2481u	-10.3896u
Ba 389.178	0.3764	-0.5200u	-0.0546u
Be 313.042	-0.0049u	-0.0110u	-0.0079u
Ca 370.602	-1.018u	-1.608u	-3.975u
Cd 226.502	-0.0844u	-0.0331u	-0.0507u
Co 228.615	0.0870	-0.0033u	0.2250
Cr 267.716	-0.0950u	0.0849	0.0153
Cu 324.754	0.4460	-0.3548u	0.4075
Fe 271.441	-10.6146u	-8.3173u	-7.8925u
K 766.491	1.3064	1.0148	1.3692
Mg 279.078	-2.1302u	1.5841	0.5655
Mn 257.610	-0.1743u	-0.1219u	0.0139
Mo 202.032	-0.4662u	-0.4025u	-1.3513u
Na 330.237	16.2735	50.3357	90.7499
Ni 231.604	-0.8918u	-0.0690u	1.3250
Pb 220.353	-2.1149u	0.6497	-2.2207u
Sb 206.834	4.1066	1.5018	0.4004
Se 196.026	5.0289	-7.1643u	-12.5332u
Sn 189.925	-0.6760u	-0.5036u	-2.4956u
Sr 216.596	0.0561	0.2567	0.2366
Ti 334.941	-0.0698u	-0.0430u	-0.0333u
Tl 190.794	-1.3286u	-2.1883u	-0.6628u
V 292.401	0.1900	-0.1024u	-0.2327u
Zn 206.200	-0.4260u	-0.7492u	-0.3845u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2340	ppb	0.2819	120.5	-18.9730
Al 308.215	2.9531	ppb	1.1408	38.6	47.5205
As 188.980	-0.4116	ppb	7.1943	1748.1	-5.2258
B 249.678	-10.0490	ppb	0.4726	4.7	232.820
Ba 389.178	-0.0661	ppb	0.4483	678.7	-9.5781
Be 313.042	-0.0079	ppb	0.0031	39.0	-391.300
Ca 370.602	-2.201	ppb	1.565	71.1	8.388
Cd 226.502	-0.0561	ppb	0.0261	46.5	34.1142
Co 228.615	0.1029	ppb	0.1150	111.7	9.8685
Cr 267.716	0.0017	ppb	0.0907	5302.2	5.8915
Cu 324.754	0.1662	ppb	0.4516	271.7	273.214
Fe 271.441	-8.9415	ppb	1.4644	16.4	95.5634
K 766.491	1.2301	ppb	0.1891	15.4	344.018
Mg 279.078	0.0065	ppb	1.9192	29690.3	36.3324
Mn 257.610	-0.0941	ppb	0.0972	103.3	137.599
Mo 202.032	-0.7400	ppb	0.5304	71.7	13.7756
Na 330.237	52.4530	ppb	37.2833	71.1	60.5002
Ni 231.604	0.1214	ppb	1.1206	922.9	-5.4717
Pb 220.353	-1.2286	ppb	1.6275	132.5	28.7791
Sb 206.834	2.0029	ppb	1.9032	95.0	4.7341
Se 196.026	-4.8895	ppb	8.9993	184.1	9.0495
Sn 189.925	-1.2251	ppb	1.1037	90.1	-11.7388
Sr 216.596	0.1831	ppb	0.1105	60.3	18.8262
Ti 334.941	-0.0487	ppb	0.0189	38.8	-46.6076
Tl 190.794	-1.3932	ppb	0.7648	54.9	-15.1123
V 292.401	-0.0483	ppb	0.2165	447.9	-11.3908
Zn 206.200	-0.5199	ppb	0.1997	38.4	-0.4989

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ics 680-275946/2-a (Samp)      5/8/2013, 4:36:33 PM      Rack 1, Tube 12  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	52.4905	53.0564	52.3107
Al 308.215	5028.36	5026.86	5040.18
As 188.980	105.877	108.950	108.675
B 249.678	183.402	182.756	184.168
Ba 389.178	105.739	104.171	105.404
Be 313.042	52.9153	52.7065	52.9667
Ca 370.602	4999	4981	5000
Cd 226.502	54.2892	54.3049	54.0780
Co 228.615	53.6811	53.1456	54.0690
Cr 267.716	107.254	106.481	106.988
Cu 324.754	107.334	106.710	105.790
Fe 271.441	5035.93	5008.67	5047.52
K 766.491	5245.51	5216.82	5246.00
Mg 279.078	5056.99	5038.73	5050.70
Mn 257.610	545.601	541.175	544.333
Mo 202.032	103.250	101.719	103.442
Na 330.237	5106.08	5313.08	5132.12
Ni 231.604	106.462	105.043	105.796
Pb 220.353	51.0408	51.1501	51.6988
Sb 206.834	54.0141	53.4226	54.2313
Se 196.026	93.6236	92.4922	105.233
Sn 189.925	206.443	200.764	200.544
Sr 216.596	104.885	104.138	103.663
Ti 334.941	101.425	101.057	101.554
Tl 190.794	38.3279	37.8299	42.7538
V 292.401	103.445	102.234	103.139
Zn 206.200	103.880	103.845	104.038

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6192	ppb	0.3892	0.7	4006.87
Al 308.215	5031.80	ppb	7.2992	0.1	20196.8
As 188.980	107.834	ppb	1.7002	1.6	44.6274
B 249.678	183.442	ppb	0.7067	0.4	2755.66
Ba 389.178	105.104	ppb	0.8256	0.8	2362.22
Be 313.042	52.8628	ppb	0.1378	0.3	96573.9
Ca 370.602	4993	ppb	10.28	0.2	15057
Cd 226.502	54.2240	ppb	0.1267	0.2	2187.45
Co 228.615	53.6319	ppb	0.4637	0.9	707.536
Cr 267.716	106.908	ppb	0.3925	0.4	5468.35
Cu 324.754	106.611	ppb	0.7767	0.7	5102.67
Fe 271.441	5030.71	ppb	19.9440	0.4	9196.88
K 766.491	5236.11	ppb	16.7072	0.3	198300
Mg 279.078	5048.81	ppb	9.2766	0.2	11381.9
Mn 257.610	543.703	ppb	2.2797	0.4	32855.6
Mo 202.032	102.804	ppb	0.9441	0.9	816.406
Na 330.237	5183.76	ppb	112.749	2.2	319.954
Ni 231.604	105.767	ppb	0.7097	0.7	308.767
Pb 220.353	51.2966	ppb	0.3526	0.7	133.674
Sb 206.834	53.8894	ppb	0.4185	0.8	66.5266
Se 196.026	97.1162	ppb	7.0520	7.3	63.6561
Sn 189.925	202.584	ppb	3.3441	1.7	185.921
Sr 216.596	104.229	ppb	0.6158	0.6	1302.12
Ti 334.941	101.345	ppb	0.2583	0.3	30153.2
Tl 190.794	39.6372	ppb	2.7105	6.8	27.2204
V 292.401	102.939	ppb	0.6298	0.6	2872.93
Zn 206.200	103.921	ppb	0.1029	0.1	164.102

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Cont Calib Verif (CCV) 5/8/2013, 4:41:58 PM Rack 1, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	499.854	492.308	491.871
Al 308.215	4957.98	4959.50	4953.96
As 188.980	503.747	495.846	500.155
B 249.678	493.093	494.949	493.228
Ba 389.178	5152.08	5146.28	5113.17
Be 313.042	512.873	514.566	513.037
Ca 370.602	5062	5054	5007
Cd 226.502	521.861	520.309	517.403
Co 228.615	522.879	523.986	521.442
Cr 267.716	5176.14	5165.16	5130.20
Cu 324.754	5208.25	5069.20	5078.27
Fe 271.441	4982.00	4967.20	4928.72
K 766.491	10176.0	10153.7	10138.2
Mg 279.078	4982.18	4978.89	4946.60
Mn 257.610	5254.10	5236.51	5241.92
Mo 202.032	506.034	507.296	502.405
Na 330.237	7044.79	7241.41	7189.48
Ni 231.604	2615.33	2606.72	2597.43
Pb 220.353	490.471	494.493	490.776
Sb 206.834	983.095	991.733	993.156
Se 196.026	4949.52	4956.31	4894.09
Sn 189.925	5069.33	5060.95	5043.82
Sr 216.596	2531.66	2525.37	2531.37
Ti 334.941	497.764	497.778	495.080
Tl 190.794	5062.59	5049.97	5027.25
V 292.401	4990.42	4977.11	4950.20
Zn 206.200	2591.89	2580.52	2571.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.678	ppb	4.4879	0.9	37934.1	98.93556
Al 308.215	4957.15	ppb	2.8640	0.1	19874.3	99.14294
As 188.980	499.916	ppb	3.9556	0.8	225.198	99.98318
B 249.678	493.757	ppb	1.0345	0.2	6812.20	19.75026Q
Ba 389.178	5137.18	ppb	20.9883	0.4	114883	102.74354
Be 313.042	513.492	ppb	0.9341	0.2	941294	102.69839
Ca 370.602	5041	ppb	29.96	0.6	15450	100.82578
Cd 226.502	519.857	ppb	2.2631	0.4	20515.1	103.97147
Co 228.615	522.769	ppb	1.2754	0.2	6840.87	104.55376
Cr 267.716	5157.16	ppb	23.9918	0.5	263365	103.14329
Cu 324.754	5118.57	ppb	77.7951	1.5	232323	102.37149
Fe 271.441	4959.31	ppb	27.5044	0.6	9192.89	99.18610
K 766.491	10156.0	ppb	19.0218	0.2	384343	101.55961
Mg 279.078	4969.22	ppb	19.6563	0.4	11122.4	99.38445
Mn 257.610	5244.18	ppb	9.0077	0.2	315513	104.88352
Mo 202.032	505.245	ppb	2.5389	0.5	3928.01	101.04897
Na 330.237	7158.56	ppb	101.891	1.4	399.985	95.44747
Ni 231.604	2606.49	ppb	8.9538	0.3	7744.23	104.25972
Pb 220.353	491.913	ppb	2.2392	0.5	1013.78	98.38261
Sb 206.834	989.328	ppb	5.4448	0.6	1233.63	98.93281
Se 196.026	4933.31	ppb	34.1328	0.7	2645.45	98.66617
Sn 189.925	5058.03	ppb	12.9996	0.3	4894.78	101.16068
Sr 216.596	2529.47	ppb	3.5491	0.1	31228.9	101.17861
Ti 334.941	496.874	ppb	1.5536	0.3	147863	99.37489
Tl 190.794	5046.60	ppb	17.9087	0.4	5320.62	100.93203
V 292.401	4972.58	ppb	20.4919	0.4	140086	99.45152
Zn 206.200	2581.32	ppb	10.1879	0.4	4047.83	103.25287



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Cont Calib Blank (CCB)                      5/8/2013, 4:47:22 PM                      Rack 1, Tube 14  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2056u	0.1466	0.3055
Al 308.215	1.9452	0.8869	-0.4698u
As 188.980	-3.4994u	3.8427	1.3875
B 249.678	-7.2284u	-7.6578u	-9.0181u
Ba 389.178	1.2141	-0.5424u	0.1741
Be 313.042	-0.0068u	0.0062	0.0019
Ca 370.602	-7.713u	-7.187u	-1.871u
Cd 226.502	-0.1160u	-0.0648u	-0.1304u
Co 228.615	-0.0060u	0.6908	-0.1257u
Cr 267.716	-0.0566u	-0.2027u	0.1247
Cu 324.754	-0.3990u	0.2368	-0.2065u
Fe 271.441	-5.7463u	-1.4411u	-5.9568u
K 766.491	0.1478	-0.2338u	0.1404
Mg 279.078	-1.0778u	6.6103	0.0758
Mn 257.610	-0.1340u	-0.2070u	0.0215
Mo 202.032	0.0067	-0.0313u	-0.0525u
Na 330.237	111.923	66.2982	60.8626
Ni 231.604	0.4832	-0.4329u	-0.1272u
Pb 220.353	-2.7207u	0.9838	-2.9732u
Sb 206.834	5.7906	6.6800	2.6815
Se 196.026	-4.8838u	-8.7536u	-0.5258u
Sn 189.925	2.6785	-0.0202u	-3.9537u
Sr 216.596	0.2435	0.5476	-0.1503u
Ti 334.941	0.0025	0.0135	0.0391
Tl 190.794	0.6539	0.6812	0.4939
V 292.401	-0.3576u	0.0596	-0.2103u
Zn 206.200	-0.4579u	-0.2410u	0.1851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0822	ppb	0.2616	318.4	-30.6539	0.08216
Al 308.215	0.7874	ppb	1.2105	153.7	38.9007	0.78745
As 188.980	0.5769	ppb	3.7376	647.8	-4.7705	0.57694
B 249.678	-7.9681	ppb	0.9343	11.7	260.018	-7.96811
Ba 389.178	0.2819	ppb	0.8832	313.3	-1.7866	0.28192
Be 313.042	0.0004	ppb	0.0066	1523.4	-376.052	0.00043
Ca 370.602	-5.590	ppb	3.232	57.8	-2.333	-5.59025
Cd 226.502	-0.1038	ppb	0.0345	33.2	32.2487	-0.10376
Co 228.615	0.1864	ppb	0.4410	236.6	10.9373	0.18635
Cr 267.716	-0.0449	ppb	0.1640	365.5	3.5138	-0.04488
Cu 324.754	-0.1229	ppb	0.3260	265.3	260.120	-0.12290
Fe 271.441	-4.3814	ppb	2.5486	58.2	103.802	-4.38139
K 766.491	0.0181	ppb	0.2182	1204.9	298.186	0.01811
Mg 279.078	1.8694	ppb	4.1460	221.8	40.5241	1.86945
Mn 257.610	-0.1065	ppb	0.1167	109.6	136.860	-0.10650
Mo 202.032	-0.0257	ppb	0.0300	116.6	19.3154	-0.02574
Na 330.237	79.6946	ppb	28.0428	35.2	61.8943	79.69465
Ni 231.604	-0.0256	ppb	0.4664	1818.6	-5.9089	-0.02565
Pb 220.353	-1.5700	ppb	2.2153	141.1	28.0964	-1.57000
Sb 206.834	5.0507	ppb	2.0994	41.6	8.3391	5.05073
Se 196.026	-4.7211	ppb	4.1163	87.2	9.1394	-4.72106
Sn 189.925	-0.4318	ppb	3.3352	772.4	-10.9696	-0.43180
Sr 216.596	0.2136	ppb	0.3499	163.8	19.1751	0.21361
Ti 334.941	0.0183	ppb	0.0188	102.5	-26.6465	0.01833
Tl 190.794	0.6097	ppb	0.1012	16.6	-12.9934	0.60968
V 292.401	-0.1695	ppb	0.2116	124.9	-14.9233	-0.16945
Zn 206.200	-0.1713	ppb	0.3271	191.0	0.0503	-0.17129

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**680-89859-a-1-a (Samp)**                      **5/8/2013, 4:52:45 PM**                      **Rack 1, Tube 15**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.9997u	0.8841u	1.3337u
Al 308.215	134360	134517	134479
As 188.980	140.251	166.242	157.791
B 249.678	3179.19	3184.73	3197.76
Ba 389.178	1264.46	1258.71	1260.09
Be 313.042	5.1028	5.0933	5.0921
Ca 370.602	1903945x	1900924x	1906693x
Cd 226.502	57.8810	56.6375	56.7119
Co 228.615	163.738	164.423	163.620
Cr 267.716	1053.85	1051.87	1052.19
Cu 324.754	147880x	145927x	148185x
Fe 271.441	442949	442605	442545
K 766.491	480801x	482219x	483289x
Mg 279.078	464034	465095	464586
Mn 257.610	14563.2	14467.5	14459.4
Mo 202.032	14.9449	15.6391	14.8610
Na 330.237	6710834x	6697097x	6699466x
Ni 231.604	2628.28	2620.46	2619.11
Pb 220.353	2929.94	2925.38	2931.39
Sb 206.834	15.9255	16.0485	26.1208
Se 196.026	6.8482	-11.9440	19.6098
Sn 189.925	20.9762	24.6688	30.4241
Sr 216.596	18967.2x	18922.6x	18950.4x
Ti 334.941	2096.56	2090.56	2095.85
Tl 190.794	-5.3253u	-0.4204u	0.1241u
V 292.401	612.441	613.165	614.197
Zn 206.200	94475.7x	94472.4x	94678.4x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0725b	ppb	0.2335	21.8	-780.544
Al 308.215	134452b	ppb	81.6160	0.1	538522
As 188.980	154.761b	ppb	13.2576	8.6	77.4378
B 249.678	3187.23b	ppb	9.5379	0.3	41453.1
Ba 389.178	1261.09b	ppb	3.0017	0.2	29969.8
Be 313.042	5.0961b	ppb	0.0059	0.1	8838.17
Ca 370.602	1903854xb	ppb	2886	0.2	5839232
Cd 226.502	57.0768b	ppb	0.6975	1.2	3729.26
Co 228.615	163.927b	ppb	0.4336	0.3	2196.05
Cr 267.716	1052.64b	ppb	1.0619	0.1	54060.8
Cu 324.754	147331xb	ppb	1224.90	0.8	6680700
Fe 271.441	442700b	ppb	218.383	0.0	798770
K 766.491	482103xb	ppb	1247.70	0.3	18230908
Mg 279.078	464572b	ppb	530.561	0.1	1044732
Mn 257.610	14496.7b	ppb	57.7171	0.4	873468
Mo 202.032	15.1483b	ppb	0.4271	2.8	112.062
Na 330.237	6702466xb	ppb	7343.17	0.1	343352
Ni 231.604	2622.62b	ppb	4.9504	0.2	7802.59
Pb 220.353	2928.90b	ppb	3.1314	0.1	5885.60
Sb 206.834	19.3649b	ppb	5.8511	30.2	49.3814
Se 196.026	4.8380b	ppb	15.8726	328.1	20.7514
Sn 189.925	25.3563b	ppb	4.7613	18.8	17.6228
Sr 216.596	18946.8xb	ppb	22.5190	0.1	234701
Ti 334.941	2094.32b	ppb	3.2820	0.2	625004
Tl 190.794	-1.8739b	ppb	3.0014	160.2	-60.8389
V 292.401	613.268b	ppb	0.8825	0.1	17236.6
Zn 206.200	94542.2xb	ppb	117.951	0.1	148850

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**680-89859-a-6-a (Samp)**                      **5/8/2013, 4:58:09 PM**                      **Rack 1, Tube 16**  
**Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.5901u	0.7011u	0.6560u
Al 308.215	6777.92	6736.05	6679.66
As 188.980	1.2382	10.8464	-3.4137
B 249.678	5525.60	5519.07	5463.33
Ba 389.178	53.2123	51.9649	48.8352
Be 313.042	0.8694	0.8632	0.8766
Ca 370.602	453611	449866	445647
Cd 226.502	2.3964	2.1864	2.2351
Co 228.615	2.2793	2.6315	2.4363
Cr 267.716	15.2816	14.7850	14.7230
Cu 324.754	543.802	533.542	532.105
Fe 271.441	5062.81	5048.45	4991.72
K 766.491	668819x	666379x	660501x
Mg 279.078	1314420x	1306111x	1289454x
Mn 257.610	208.809	209.899	203.291
Mo 202.032	9.8182	10.1509	9.9602
Na 330.237	14691630x	14637593x	14405794x
Ni 231.604	15.4728	15.3490	15.2671
Pb 220.353	26.2639	25.3772	25.9384
Sb 206.834	10.2831	5.1596	-0.5639u
Se 196.026	36.2970	25.4258	20.4089
Sn 189.925	-8.1228u	-9.7022u	-5.9139
Sr 216.596	7934.78x	7897.94x	7793.27x
Ti 334.941	373.050	370.388	364.650
Tl 190.794	-22.3856u	-15.1673u	-13.9054u
V 292.401	16.9282	17.5679	17.1244
Zn 206.200	440.433	434.180	434.621

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6491b	ppb	0.0558	8.6	-375.914
Al 308.215	6731.21b	ppb	49.3115	0.7	26995.7
As 188.980	2.8903b	ppb	7.2722	251.6	-0.2937
B 249.678	5502.67b	ppb	34.2192	0.6	72291.7
Ba 389.178	51.3375b	ppb	2.2550	4.4	4446.26
Be 313.042	0.8697b	ppb	0.0067	0.8	-289.588
Ca 370.602	449708b	ppb	3984	0.9	1387030
Cd 226.502	2.2727b	ppb	0.1099	4.8	77.4461
Co 228.615	2.4490b	ppb	0.1765	7.2	51.8185
Cr 267.716	14.9299b	ppb	0.3062	2.1	1036.47
Cu 324.754	536.483b	ppb	6.3791	1.2	24592.6
Fe 271.441	5034.33b	ppb	37.5887	0.7	9194.24
K 766.491	665233xb	ppb	4275.83	0.6	25155934
Mg 279.078	1303328xb	ppb	12713.6	1.0	2931406
Mn 257.610	207.333b	ppb	3.5426	1.7	16161.9
Mo 202.032	9.9765b	ppb	0.1669	1.7	96.5961
Na 330.237	14578339xb	ppb	151851	1.0	748787
Ni 231.604	15.3630b	ppb	0.1036	0.7	39.9679
Pb 220.353	25.8598b	ppb	0.4485	1.7	82.8162
Sb 206.834	4.9596b	ppb	5.4262	109.4	8.4264
Se 196.026	27.3772b	ppb	8.1218	29.7	26.3660
Sn 189.925	-7.9129b	ppb	1.9029	24.0	-12.2091
Sr 216.596	7875.33xb	ppb	73.4104	0.9	97461.6
Ti 334.941	369.363b	ppb	4.2928	1.2	115008
Tl 190.794	-17.1528b	ppb	4.5755	26.7	-32.4498
V 292.401	17.2068b	ppb	0.3277	1.9	381.071
Zn 206.200	436.411b	ppb	3.4901	0.8	687.695

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**680-89859-a-1-a^10 (Samp)**      **5/8/2013, 5:03:34 PM**      **Rack 1, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1236u	-0.1436u	-0.2239u
Al 308.215	12660.9	12549.8	12473.7
As 188.980	19.0044	11.3302	10.9768
B 249.678	357.870	355.724	354.306
Ba 389.178	136.757	137.134	136.428
Be 313.042	0.5329	0.5372	0.5299
Ca 370.602	217030	215260	215635
Cd 226.502	5.5195	5.4244	5.6614
Co 228.615	19.3973	19.2809	20.1133
Cr 267.716	120.067	119.672	120.288
Cu 324.754	15530.2	15506.1	15641.4
Fe 271.441	52412.6	51999.4	51915.6
K 766.491	48966.5x	49042.0x	48763.5x
Mg 279.078	51329.7	50884.9	51019.3
Mn 257.610	1639.33	1640.00	1660.52
Mo 202.032	0.4853	1.1548	1.7980
Na 330.237	668234x	669039x	672496x
Ni 231.604	310.049	309.622	308.857
Pb 220.353	340.462	338.242	340.320
Sb 206.834	0.8916	6.6385	2.6886
Se 196.026	-5.5906u	3.4374	1.9068
Sn 189.925	0.4264	1.1393	3.5033
Sr 216.596	2198.30	2183.40	2194.05
Ti 334.941	229.925	228.864	228.643
Tl 190.794	-1.2514u	3.9911u	-3.0198u
V 292.401	68.2195	67.6493	67.7976
Zn 206.200	11932.8	11817.0	11883.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1637b	ppb	0.0531	32.4	-144.474
Al 308.215	12561.5b	ppb	94.1219	0.7	50344.9
As 188.980	13.7705b	ppb	4.5362	32.9	2.5824
B 249.678	355.967b	ppb	1.7945	0.5	4949.80
Ba 389.178	136.773b	ppb	0.3534	0.3	3250.50
Be 313.042	0.5333b	ppb	0.0036	0.7	597.318
Ca 370.602	215975b	ppb	932.6	0.4	662276
Cd 226.502	5.5351b	ppb	0.1193	2.2	424.901
Co 228.615	19.5972b	ppb	0.4507	2.3	269.422
Cr 267.716	120.009b	ppb	0.3120	0.3	6167.32
Cu 324.754	15559.2b	ppb	72.1736	0.5	705771
Fe 271.441	52109.2b	ppb	266.031	0.5	94120.0
K 766.491	48924.0xb	ppb	144.019	0.3	1850347
Mg 279.078	51078.0b	ppb	228.109	0.4	114896
Mn 257.610	1646.62b	ppb	12.0461	0.7	99337.4
Mo 202.032	1.1460b	ppb	0.6564	57.3	25.4785
Na 330.237	669923xb	ppb	2264.11	0.3	34348.5
Ni 231.604	309.510b	ppb	0.6040	0.2	915.678
Pb 220.353	339.674b	ppb	1.2422	0.4	710.135
Sb 206.834	3.4062b	ppb	2.9399	86.3	9.1806
Se 196.026	-0.0822b	ppb	4.8315	5880.3	12.3783
Sn 189.925	1.6897b	ppb	1.6106	95.3	-8.5409
Sr 216.596	2191.92b	ppb	7.6796	0.4	27166.8
Ti 334.941	229.144b	ppb	0.6854	0.3	68360.9
Tl 190.794	-0.0933b	ppb	3.6461	3905.9	-19.0446
V 292.401	67.8888b	ppb	0.2958	0.4	1899.47
Zn 206.200	11877.8b	ppb	58.1099	0.5	18700.7

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**680-89859-a-6-a^10 (Samp)**      **5/8/2013, 5:08:58 PM**      **Rack 1, Tube 18**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1097u	-0.0186u	-0.1407u
Al 308.215	560.878	556.468	552.521
As 188.980	-0.5521	-0.5008	0.4071
B 249.678	506.351	503.452	501.644
Ba 389.178	0.7762	1.4716	1.9823
Be 313.042	0.0626u	0.0531u	0.0690u
Ca 370.602	47836	47621	47264
Cd 226.502	0.1632	0.2804	0.2021
Co 228.615	0.7889	-0.2015u	0.8669
Cr 267.716	1.5034	1.5529	1.7503
Cu 324.754	48.9005	49.2399	48.0346
Fe 271.441	562.341	559.540	556.123
K 766.491	70804.0x	70850.7x	69943.2x
Mg 279.078	137611	137105	135987
Mn 257.610	21.7710	21.9846	21.6226
Mo 202.032	0.2753	0.8950	0.1861
Na 330.237	1483999x	1471025x	1467957x
Ni 231.604	2.6327	2.1967	2.2559
Pb 220.353	4.3924	7.4202	1.0521
Sb 206.834	5.0858	6.3329	5.4592
Se 196.026	6.0195	1.4803	5.7022
Sn 189.925	-2.6333u	-5.3439u	-3.2318u
Sr 216.596	845.708	840.002	836.132
Ti 334.941	38.0586	38.0308	37.7700
Tl 190.794	-5.6276u	-6.0233u	-4.5849u
V 292.401	1.5602	1.8982	1.9504
Zn 206.200	49.1935	48.3839	46.8880

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0897b	ppb	0.0634	70.7	-85.0262
Al 308.215	556.622b	ppb	4.1806	0.8	2265.11
As 188.980	-0.2152b	ppb	0.5396	250.7	-4.7715
B 249.678	503.816b	ppb	2.3749	0.5	6949.64
Ba 389.178	1.4101b	ppb	0.6054	42.9	371.076
Be 313.042	0.0616b	ppb	0.0080	13.0	-416.395
Ca 370.602	47574b	ppb	289.1	0.6	146742
Cd 226.502	0.2152b	ppb	0.0597	27.7	40.1268
Co 228.615	0.4847b	ppb	0.5956	122.9	16.0172
Cr 267.716	1.6022b	ppb	0.1306	8.2	114.861
Cu 324.754	48.7250b	ppb	0.6215	1.3	2475.15
Fe 271.441	559.335b	ppb	3.1141	0.6	1120.82
K 766.491	70532.6xb	ppb	510.984	0.7	2667473
Mg 279.078	136901b	ppb	830.842	0.6	307945
Mn 257.610	21.7927b	ppb	0.1819	0.8	1827.12
Mo 202.032	0.4521b	ppb	0.3861	85.4	22.9886
Na 330.237	1474327xb	ppb	8515.51	0.6	75777.7
Ni 231.604	2.3618b	ppb	0.2365	10.0	1.2031
Pb 220.353	4.2882b	ppb	3.1854	74.3	39.7880
Sb 206.834	5.6260b	ppb	0.6401	11.4	9.0481
Se 196.026	4.4007b	ppb	2.5341	57.6	14.0175
Sn 189.925	-3.7363b	ppb	1.4240	38.1	-13.5628
Sr 216.596	840.614b	ppb	4.8173	0.6	10417.8
Ti 334.941	37.9531b	ppb	0.1592	0.4	11804.9
Tl 190.794	-5.4119b	ppb	0.7430	13.7	-19.4372
V 292.401	1.8029b	ppb	0.2118	11.7	31.3149
Zn 206.200	48.1551b	ppb	1.1697	2.4	761.679

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**X (Samp)** **5/8/2013, 5:17:22 PM** **Rack 1, Tube 19****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	500.790	500.430	496.803
Al 308.215	4844.89	4850.09	4874.13
As 188.980	508.004	527.194	524.933
B 249.678	505.098	501.672	510.977
Ba 389.178	5113.87	5110.16	5130.51
Be 313.042	513.407	514.807	515.275
Ca 370.602	5012	5015	5029
Cd 226.502	525.337	524.845	526.685
Co 228.615	524.787	526.050	527.788
Cr 267.716	5180.72	5180.73	5201.93
Cu 324.754	5159.56	5079.98	5127.46
Fe 271.441	4967.29	4965.13	4983.13
K 766.491	10166.9	10152.2	10194.3
Mg 279.078	4972.57	4971.92	4998.98
Mn 257.610	5508.67	5530.62	5510.86
Mo 202.032	502.920	503.205	504.030
Na 330.237	7176.22	7250.48	7376.62
Ni 231.604	2618.21	2610.69	2618.36
Pb 220.353	498.168	497.007	502.761
Sb 206.834	990.298	993.971	997.342
Se 196.026	4948.79	4970.26	4987.52
Sn 189.925	5074.19	5066.40	5069.94
Sr 216.596	2526.08	2544.35	2533.82
Ti 334.941	498.490	499.939	501.880
Tl 190.794	5098.48	5117.20	5151.89
V 292.401	5017.78	5015.62	5032.41
Zn 206.200	2611.24	2606.69	2620.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	499.341	ppb	2.2051	0.4	38290.4
Al 308.215	4856.37	ppb	15.6023	0.3	19470.5
As 188.980	520.044	ppb	10.4880	2.0	234.471
B 249.678	505.916	ppb	4.7061	0.9	6971.08
Ba 389.178	5118.18	ppb	10.8403	0.2	114459
Be 313.042	514.496	ppb	0.9722	0.2	943134
Ca 370.602	5019	ppb	9.098	0.2	15378
Cd 226.502	525.622	ppb	0.9528	0.2	20742.2
Co 228.615	526.209	ppb	1.5069	0.3	6885.80
Cr 267.716	5187.79	ppb	12.2436	0.2	264928
Cu 324.754	5122.33	ppb	40.0355	0.8	232493
Fe 271.441	4971.85	ppb	9.8309	0.2	9216.52
K 766.491	10171.1	ppb	21.3943	0.2	384917
Mg 279.078	4981.16	ppb	15.4412	0.3	11149.0
Mn 257.610	5516.71	ppb	12.0920	0.2	331902
Mo 202.032	503.385	ppb	0.5765	0.1	3913.48
Na 330.237	7267.77	ppb	101.315	1.4	405.294
Ni 231.604	2615.75	ppb	4.3863	0.2	7771.77
Pb 220.353	499.312	ppb	3.0424	0.6	1028.55
Sb 206.834	993.870	ppb	3.5228	0.4	1239.38
Se 196.026	4968.85	ppb	19.4060	0.4	2664.42
Sn 189.925	5070.18	ppb	3.9040	0.1	4906.55
Sr 216.596	2534.75	ppb	9.1681	0.4	31293.9
Ti 334.941	500.103	ppb	1.7009	0.3	148824
Tl 190.794	5122.52	ppb	27.1039	0.5	5400.96
V 292.401	5021.94	ppb	9.1348	0.2	141479
Zn 206.200	2612.82	ppb	7.0598	0.3	4097.32

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X (Samp)	5/8/2013, 5:23:32 PM		Rack 1, Tube 20
Weight: 1	Volume: 1		Dilution: 1
Label	Replicates Concentration		
Ag 328.068	0.3819	0.4999	0.0173
Al 308.215	4.7240	1.9286	3.9144
As 188.980	-7.5605u	-0.6585u	-4.1800u
B 249.678	-2.1441u	-3.8247u	-3.9546u
Ba 389.178	0.2763	0.6175	-0.5505u
Be 313.042	-0.0050u	-0.0107u	-0.0088u
Ca 370.602	-6.888u	-1.745u	-4.858u
Cd 226.502	0.1049	-0.2221u	-0.1307u
Co 228.615	-0.5755u	-0.1463u	0.6476
Cr 267.716	-0.0614u	0.1804	0.1035
Cu 324.754	0.2499	0.2168	-0.0378u
Fe 271.441	-0.1697u	-9.4591u	-4.6296u
K 766.491	1.2911	1.1648	0.9804
Mg 279.078	5.2120	-2.0023u	-1.3885u
Mn 257.610	-0.2120u	-0.2212u	-0.2164u
Mo 202.032	0.0892	-0.2716u	-0.3762u
Na 330.237	160.775	30.3192	-2.2487u
Ni 231.604	-0.0047u	-0.2545u	0.9802
Pb 220.353	2.9603	-1.1989u	-1.4988u
Sb 206.834	6.2110	5.9916	4.5922
Se 196.026	1.8438	-5.8586u	-4.5824u
Sn 189.925	-0.4554u	2.0441	-0.8564u
Sr 216.596	0.8621	-0.1423u	0.1475
Ti 334.941	-0.0018u	-0.0682u	0.0199
Tl 190.794	1.2259	1.2770	0.0839
V 292.401	0.0984	0.0077	-0.1341u
Zn 206.200	-0.2971u	0.0696	-0.4862u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2997	ppb	0.2516	83.9	-13.9209
Al 308.215	3.5224	ppb	1.4384	40.8	49.8391
As 188.980	-4.1330	ppb	3.4513	83.5	-6.9406
B 249.678	-3.3078	ppb	1.0099	30.5	320.941
Ba 389.178	0.1144	ppb	0.6006	524.8	-5.5360
Be 313.042	-0.0082	ppb	0.0029	35.6	-391.828
Ca 370.602	-4.497	ppb	2.591	57.6	1.147
Cd 226.502	-0.0826	ppb	0.1687	204.2	33.0750
Co 228.615	-0.0247	ppb	0.6205	2509.7	8.1871
Cr 267.716	0.0742	ppb	0.1235	166.6	9.5908
Cu 324.754	0.1430	ppb	0.1574	110.1	272.169
Fe 271.441	-4.7528	ppb	4.6459	97.8	103.101
K 766.491	1.1454	ppb	0.1563	13.6	340.815
Mg 279.078	0.6071	ppb	3.9998	658.9	37.6853
Mn 257.610	-0.2165	ppb	0.0046	2.1	130.240
Mo 202.032	-0.1862	ppb	0.2442	131.1	18.0703
Na 330.237	62.9485	ppb	86.2710	137.1	61.0326
Ni 231.604	0.2403	ppb	0.6528	271.6	-5.1181
Pb 220.353	0.0875	ppb	2.4924	2847.4	31.4070
Sb 206.834	5.5983	ppb	0.8782	15.7	8.9919
Se 196.026	-2.8657	ppb	4.1282	144.1	10.1293
Sn 189.925	0.2441	ppb	1.5717	643.9	-10.3141
Sr 216.596	0.2891	ppb	0.5170	178.8	20.1123
Ti 334.941	-0.0167	ppb	0.0459	274.9	-37.0739
Tl 190.794	0.8623	ppb	0.6746	78.2	-12.7259
V 292.401	-0.0094	ppb	0.1172	1252.5	-10.3795
Zn 206.200	-0.2379	ppb	0.2826	311.8	-0.0551

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**680-89880-e-2-a^10 (Samp) 5/8/2013, 5:28:58 PM Rack 1, Tube 21****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1869u	0.0478	0.0863
Al 308.215	16.6905	15.6166	18.3208
As 188.980	2.8248	-2.6562u	-8.0322u
B 249.678	21.6497	20.6410	20.7597
Ba 389.178	2.1989	2.3853	2.2800
Be 313.042	-0.0053u	-0.0042u	-0.0074u
Ca 370.602	850.8	839.6	825.5
Cd 226.502	0.0486	-0.1166u	0.0277
Co 228.615	3.0947	4.0644	3.8787
Cr 267.716	0.7004	0.6484	0.4471
Cu 324.754	1.1856	0.7347	0.5147
Fe 271.441	107.429	101.542	104.922
K 766.491	3372.86	3337.50	3273.78
Mg 279.078	8174.62	8093.57	7962.70
Mn 257.610	7.9111	7.8326	7.6515
Mo 202.032	0.7756	0.2849	0.6859
Na 330.237	31167.4	30843.3	30393.8
Ni 231.604	1.4843	2.0187	2.0568
Pb 220.353	3.4634	3.1734	2.8483
Sb 206.834	19.5866	16.9305	14.0521
Se 196.026	-2.1275u	-4.0533u	4.7641
Sn 189.925	1.3812	1.6794	0.1767
Sr 216.596	4.1583	4.0657	3.6477
Ti 334.941	0.2326	0.2083	0.2216
Tl 190.794	-3.3852u	3.6837	1.2660
V 292.401	0.3522	0.1543	-0.0407u
Zn 206.200	34.5028	33.2358	32.3553

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0176	ppb	0.1479	838.6	-38.5881
Al 308.215	16.8760	ppb	1.3616	8.1	103.396
As 188.980	-2.6212	ppb	5.4286	207.1	-6.2385
B 249.678	21.0168	ppb	0.5513	2.6	638.782
Ba 389.178	2.2881	ppb	0.0935	4.1	63.6443
Be 313.042	-0.0057	ppb	0.0016	29.2	-390.842
Ca 370.602	838.6	ppb	12.63	1.5	2594
Cd 226.502	-0.0134	ppb	0.0899	670.4	36.1055
Co 228.615	3.6793	ppb	0.5147	14.0	56.5033
Cr 267.716	0.5986	ppb	0.1338	22.3	37.0011
Cu 324.754	0.8117	ppb	0.3420	42.1	302.540
Fe 271.441	104.631	ppb	2.9547	2.8	301.034
K 766.491	3328.05	ppb	50.2133	1.5	126147
Mg 279.078	8076.96	ppb	106.932	1.3	18202.5
Mn 257.610	7.7984	ppb	0.1332	1.7	634.321
Mo 202.032	0.5821	ppb	0.2613	44.9	24.0235
Na 330.237	30801.5	ppb	388.469	1.3	1639.44
Ni 231.604	1.8532	ppb	0.3201	17.3	-0.3197
Pb 220.353	3.1617	ppb	0.3077	9.7	37.5459
Sb 206.834	16.8564	ppb	2.7680	16.4	22.3397
Se 196.026	-0.4723	ppb	4.6359	981.6	11.4094
Sn 189.925	1.0791	ppb	0.7956	73.7	-9.4916
Sr 216.596	3.9572	ppb	0.2720	6.9	65.5539
Ti 334.941	0.2209	ppb	0.0122	5.5	70.0274
Tl 190.794	0.5215	ppb	3.5928	688.9	-13.1037
V 292.401	0.1553	ppb	0.1965	126.5	-6.0615
Zn 206.200	33.3646	ppb	1.0795	3.2	52.8441



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680-89985-b-3-a^5 (Samp)      5/8/2013, 5:34:24 PM      Rack 1, Tube 22  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.4509	0.6440	0.8939
Al 308.215	31346.0	30760.9	30117.2
As 188.980	50.2492	52.9277	61.4926
B 249.678	8.1095u	8.9325u	8.1689u
Ba 389.178	812.457	797.855	778.309
Be 313.042	4.0568	3.9920	3.9062
Ca 370.602	43577	42853	42004
Cd 226.502	14.4698	14.1865	13.9735
Co 228.615	29.5732	28.4366	27.2350
Cr 267.716	132.780	130.143	127.458
Cu 324.754	291.947	285.543	281.604
Fe 271.441	117966	115743	113247
K 766.491	2949.79	2902.39	2853.33
Mg 279.078	6876.34	6718.87	6609.27
Mn 257.610	3138.66	3088.88	3018.60
Mo 202.032	5.7787	4.9890	5.6233
Na 330.237	758.026u	731.206u	991.612u
Ni 231.604	50.0979	51.9856	50.7470
Pb 220.353	935.569	920.214	907.878
Sb 206.834	8.4615	8.5027	7.9937
Se 196.026	0.8946	-1.0867	5.6910
Sn 189.925	35.7997	34.5036	31.5360
Sr 216.596	196.825	192.539	187.630
Ti 334.941	679.393	667.135	654.637
Tl 190.794	4.7007u	0.8115u	5.0464u
V 292.401	182.117	177.972	174.332
Zn 206.200	2758.92	2700.87	2651.00

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9963	ppb	0.4130	41.5	45.8192
Al 308.215	30741.4	ppb	614.636	2.0	123156
As 188.980	54.8898	ppb	5.8729	10.7	19.6981
B 249.678	8.4036	ppb	0.4590	5.5	323.847
Ba 389.178	796.207	ppb	17.1338	2.2	17968.9
Be 313.042	3.9850	ppb	0.0755	1.9	6939.54
Ca 370.602	42812	ppb	787.4	1.8	123206
Cd 226.502	14.2099	ppb	0.2490	1.8	980.825
Co 228.615	28.4149	ppb	1.1693	4.1	394.708
Cr 267.716	130.127	ppb	2.6611	2.0	6694.34
Cu 324.754	286.365	ppb	5.2203	1.8	13279.6
Fe 271.441	115652	ppb	2360.85	2.0	208753
K 766.491	2901.84	ppb	48.2311	1.7	110030
Mg 279.078	6734.82	ppb	134.246	2.0	15144.3
Mn 257.610	3082.04	ppb	60.3208	2.0	185579
Mo 202.032	5.4637	ppb	0.4183	7.7	55.3552
Na 330.237	826.948	ppb	143.232	17.3	17.0924
Ni 231.604	50.9435	ppb	0.9591	1.9	148.360
Pb 220.353	921.220	ppb	13.8728	1.5	1872.01
Sb 206.834	8.3193	ppb	0.2827	3.4	16.8107
Se 196.026	1.8330	ppb	3.4849	190.1	14.1813
Sn 189.925	33.9464	ppb	2.1858	6.4	22.3884
Sr 216.596	192.331	ppb	4.6010	2.4	2452.97
Ti 334.941	667.055	ppb	12.3778	1.9	198533
Tl 190.794	3.5195	ppb	2.3516	66.8	-20.8117
V 292.401	178.140	ppb	3.8952	2.2	5025.26
Zn 206.200	2703.59	ppb	54.0104	2.0	4267.77

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**680-89985-b-3-b ms^5 (Samp) 5/8/2013, 5:39:50 PM Rack 1, Tube 23****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.4572	11.3350	11.2398
Al 308.215	40239.5	39704.0	38918.3
As 188.980	77.6186	86.6697	76.2793
B 249.678	46.7242	46.7115	44.9597
Ba 389.178	1321.92	1304.05	1277.51
Be 313.042	15.7100	15.5007	15.2004
Ca 370.602	47931	47241	46390
Cd 226.502	26.0635	25.6083	24.5812
Co 228.615	41.7323	41.9299	40.5005
Cr 267.716	158.755	156.323	153.055
Cu 324.754	458.536	458.387	447.982
Fe 271.441	129353	127529	125115
K 766.491	4381.96	4328.69	4256.05
Mg 279.078	8806.29	8668.85	8504.11
Mn 257.610	5467.49	5371.51	5251.88
Mo 202.032	26.3819	24.6605	24.4928
Na 330.237	1815.17	1575.73u	1856.35
Ni 231.604	79.4360	76.4797	74.3785
Pb 220.353	1040.59	1031.52	1008.29
Sb 206.834	8.5130	6.0289	10.2198
Se 196.026	23.6976	12.5775	20.1632
Sn 189.925	88.2510	89.4665	84.3537
Sr 216.596	275.343	271.692	265.802
Ti 334.941	671.889	661.390	648.572
Tl 190.794	13.7898u	11.9451u	15.1797
V 292.401	197.970	194.905	191.447
Zn 206.200	2950.70	2909.50	2849.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.3440	ppb	0.1090	1.0	848.378
Al 308.215	39620.6	ppb	664.529	1.7	158720
As 188.980	80.1892	ppb	5.6521	7.0	31.2940
B 249.678	46.1318	ppb	1.0151	2.2	801.656
Ba 389.178	1301.16	ppb	22.3497	1.7	29280.0
Be 313.042	15.4704	ppb	0.2562	1.7	28005.3
Ca 370.602	47187	ppb	771.7	1.6	135834
Cd 226.502	25.4177	ppb	0.7593	3.0	1461.45
Co 228.615	41.3876	ppb	0.7746	1.9	562.682
Cr 267.716	156.044	ppb	2.8604	1.8	8031.11
Cu 324.754	454.968	ppb	6.0507	1.3	20928.0
Fe 271.441	127332	ppb	2125.89	1.7	229826
K 766.491	4322.24	ppb	63.2011	1.5	163742
Mg 279.078	8659.75	ppb	151.295	1.7	19434.8
Mn 257.610	5363.63	ppb	108.020	2.0	322793
Mo 202.032	25.1784	ppb	1.0456	4.2	207.601
Na 330.237	1749.08	ppb	151.537	8.7	57.0804
Ni 231.604	76.7647	ppb	2.5408	3.3	225.416
Pb 220.353	1026.80	ppb	16.6617	1.6	2083.61
Sb 206.834	8.2539	ppb	2.1074	25.5	17.1629
Se 196.026	18.8128	ppb	5.6817	30.2	23.9162
Sn 189.925	87.3570	ppb	2.6711	3.1	74.1886
Sr 216.596	270.946	ppb	4.8140	1.8	3429.90
Ti 334.941	660.617	ppb	11.6777	1.8	196628
Tl 190.794	13.6382	ppb	1.6226	11.9	-14.2284
V 292.401	194.774	ppb	3.2637	1.7	5489.59
Zn 206.200	2903.30	ppb	50.7932	1.7	4583.30

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**680-89985-b-3-c msd (Samp) 5/8/2013, 5:45:16 PM Rack 1, Tube 24****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.7098	10.5022	10.7476
Al 308.215	35307.3	34728.4	34206.1
As 188.980	70.2138	83.6920	68.3681
B 249.678	41.1619	40.4604	40.2401
Ba 389.178	2564.08	2511.91	2469.44
Be 313.042	16.6669	16.3510	16.1092
Ca 370.602	44314	43574	42986
Cd 226.502	24.2741	23.7659	23.0863
Co 228.615	96.0223	93.7913	92.8295
Cr 267.716	131.768	129.162	127.127
Cu 324.754	260.960	253.647	253.412
Fe 271.441	109146	107145	105436
K 766.491	4191.38	4124.62	4028.72
Mg 279.078	8013.67	7854.40	7736.62
Mn 257.610	19708.3	19441.3	19053.0
Mo 202.032	26.8814	25.7455	25.2509
Na 330.237	1841.28	1802.66	1854.53
Ni 231.604	73.7092	71.6813	73.2223
Pb 220.353	2638.10	2582.07	2548.61
Sb 206.834	21.1073	15.9160	20.9272
Se 196.026	15.5720	10.9709	16.1249
Sn 189.925	74.5062	74.6591	78.3639
Sr 216.596	218.094	214.164	211.921
Ti 334.941	676.077	661.955	651.467
Tl 190.794	38.2687	37.3947	39.5339
V 292.401	192.747	189.004	185.555
Zn 206.200	2571.09	2519.11	2473.22

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6532	ppb	0.1321	1.2	861.814
Al 308.215	34747.3	ppb	550.839	1.6	139202
As 188.980	74.0913	ppb	8.3655	11.3	28.6125
B 249.678	40.6208	ppb	0.4814	1.2	755.635
Ba 389.178	2515.14	ppb	47.4068	1.9	56393.1
Be 313.042	16.3757	ppb	0.2797	1.7	29660.2
Ca 370.602	43625	ppb	665.3	1.5	126788
Cd 226.502	23.7088	ppb	0.5959	2.5	1327.48
Co 228.615	94.2144	ppb	1.6379	1.7	1252.80
Cr 267.716	129.352	ppb	2.3262	1.8	6725.63
Cu 324.754	256.006	ppb	4.2919	1.7	11901.3
Fe 271.441	107242	ppb	1857.24	1.7	193593
K 766.491	4114.91	ppb	81.7639	2.0	155902
Mg 279.078	7868.23	ppb	139.045	1.8	17418.9
Mn 257.610	19400.9	ppb	329.504	1.7	1166890
Mo 202.032	25.9593	ppb	0.8360	3.2	214.738
Na 330.237	1832.82	ppb	26.9492	1.5	74.2154
Ni 231.604	72.8709	ppb	1.0586	1.5	213.368
Pb 220.353	2589.60	ppb	45.2165	1.7	5208.11
Sb 206.834	19.3168	ppb	2.9466	15.3	29.4365
Se 196.026	14.2226	ppb	2.8296	19.9	24.9810
Sn 189.925	75.8431	ppb	2.1844	2.9	63.0213
Sr 216.596	214.726	ppb	3.1246	1.5	2724.89
Ti 334.941	663.166	ppb	12.3493	1.9	197380
Tl 190.794	38.3991	ppb	1.0756	2.8	-8.0838
V 292.401	189.102	ppb	3.5967	1.9	5330.76
Zn 206.200	2521.14	ppb	48.9701	1.9	3979.71

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Cont Calib Verif (CCV)                      5/8/2013, 5:50:41 PM                      Rack 1, Tube 25  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.772	510.194	501.659
Al 308.215	4945.60	4923.61	4959.32
As 188.980	500.320	512.880	518.185
B 249.678	493.689	498.444	503.885
Ba 389.178	5158.17	5167.24	5185.97
Be 313.042	517.553	517.980	518.394
Ca 370.602	5058	5061	5091
Cd 226.502	521.435	524.236	525.630
Co 228.615	524.647	527.596	529.909
Cr 267.716	5185.02	5211.43	5216.19
Cu 324.754	5268.16	5158.14	5242.85
Fe 271.441	5005.42	4989.42	5017.44
K 766.491	10241.2	10256.5	10245.3
Mg 279.078	4983.43	4993.54	5030.35
Mn 257.610	5354.61	5423.96	5414.50
Mo 202.032	504.492	506.960	508.716
Na 330.237	7147.90	7119.44	7242.78
Ni 231.604	2613.36	2623.27	2641.63
Pb 220.353	495.358	500.648	498.393
Sb 206.834	996.588	993.092	999.065
Se 196.026	4962.10	4951.45	5000.16
Sn 189.925	5050.66	5073.87	5084.85
Sr 216.596	2549.65	2544.74	2554.11
Ti 334.941	500.922	501.877	502.356
Tl 190.794	5070.76	5117.19	5143.37
V 292.401	5009.69	5036.53	5034.39
Zn 206.200	2593.21	2607.65	2619.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	505.208	ppb	4.4450	0.9	38742.6	101.04163
Al 308.215	4942.84	ppb	18.0144	0.4	19816.8	98.85690
As 188.980	510.462	ppb	9.1747	1.8	230.056	102.09237
B 249.678	498.673	ppb	5.1021	1.0	6876.39	19.94691Q
Ba 389.178	5170.46	ppb	14.1762	0.3	115628	103.40914
Be 313.042	517.976	ppb	0.4207	0.1	949516	103.59514
Ca 370.602	5070	ppb	18.05	0.4	15536	101.39621
Cd 226.502	523.767	ppb	2.1368	0.4	20669.2	104.75340
Co 228.615	527.384	ppb	2.6371	0.5	6901.23	105.47677
Cr 267.716	5204.21	ppb	16.7934	0.3	265767	104.08426
Cu 324.754	5223.05	ppb	57.6170	1.1	237060	104.46101
Fe 271.441	5004.09	ppb	14.0579	0.3	9274.95	100.08185
K 766.491	10247.7	ppb	7.9176	0.1	387811	102.47665
Mg 279.078	5002.44	ppb	24.6941	0.5	11196.5	100.04880
Mn 257.610	5397.69	ppb	37.6032	0.7	324745	107.95380
Mo 202.032	506.723	ppb	2.1221	0.4	3939.36	101.34456
Na 330.237	7170.04	ppb	64.5796	0.9	400.294	95.60052
Ni 231.604	2626.09	ppb	14.3450	0.5	7802.49	105.04346
Pb 220.353	498.133	ppb	2.6544	0.5	1026.20	99.62655
Sb 206.834	996.248	ppb	3.0009	0.3	1242.38	99.62483
Se 196.026	4971.24	ppb	25.6082	0.5	2665.70	99.42477
Sn 189.925	5069.79	ppb	17.4545	0.3	4906.18	101.39588
Sr 216.596	2549.50	ppb	4.6862	0.2	31476.0	101.97998
Ti 334.941	501.718	ppb	0.7302	0.1	149305	100.34367
Tl 190.794	5110.44	ppb	36.7748	0.7	5388.14	102.20878
V 292.401	5026.87	ppb	14.9143	0.3	141617	100.53745
Zn 206.200	2606.79	ppb	13.1742	0.5	4087.78	104.27179

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Cont Calib Blank (CCB) 5/8/2013, 5:56:05 PM Rack 1, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4159u	-0.4602u	-0.0759u
Al 308.215	2.6181	2.9505	0.0544
As 188.980	0.7893	-2.5417u	4.2082
B 249.678	-7.5611u	-8.1611u	-9.2364u
Ba 389.178	-0.0708u	0.6364	1.3076
Be 313.042	0.0161	0.0023	0.0164
Ca 370.602	-2.640u	-5.644u	-3.861u
Cd 226.502	-0.2845u	-0.2727u	-0.0145u
Co 228.615	0.1170	0.1814	0.4258
Cr 267.716	0.1654	0.1323	0.1984
Cu 324.754	-0.3147u	0.2817	-0.1829u
Fe 271.441	1.6941	-2.6559u	-2.2717u
K 766.491	0.6848	0.5139	1.0224
Mg 279.078	2.3730	1.8837	2.0365
Mn 257.610	-0.1780u	-0.0284u	0.0824
Mo 202.032	0.2492	0.3118	-0.2947u
Na 330.237	52.3480	-40.9381u	124.602
Ni 231.604	1.8579	0.6419	0.2553
Pb 220.353	-1.6257u	0.7803	0.2504
Sb 206.834	1.5997	7.3857	8.5848
Se 196.026	3.3269	2.1024	-0.7064u
Sn 189.925	-2.3029u	-0.3211u	-2.2215u
Sr 216.596	-0.0049u	0.1015	0.5468
Ti 334.941	0.0624	0.0311	-0.0177u
Tl 190.794	5.8120	0.9317	4.8955
V 292.401	0.2929	-0.0732u	0.2202
Zn 206.200	0.0505	0.0234	0.4745

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3173	ppb	0.2102	66.3	-61.3516	-0.31735
Al 308.215	1.8744	ppb	1.5848	84.6	43.2614	1.87437
As 188.980	0.8186	ppb	3.3751	412.3	-4.6592	0.81858
B 249.678	-8.3195	ppb	0.8488	10.2	255.421	-8.31950
Ba 389.178	0.6244	ppb	0.6893	110.4	5.8766	0.62437
Be 313.042	0.0116	ppb	0.0080	69.2	-355.567	0.01161
Ca 370.602	-4.048	ppb	1.511	37.3	2.225	-4.04850
Cd 226.502	-0.1906	ppb	0.1526	80.1	28.8414	-0.19055
Co 228.615	0.2414	ppb	0.1629	67.5	11.6524	0.24138
Cr 267.716	0.1654	ppb	0.0331	20.0	14.2497	0.16537
Cu 324.754	-0.0720	ppb	0.3133	435.4	262.430	-0.07197
Fe 271.441	-1.0778	ppb	2.4082	223.4	109.776	-1.07783
K 766.491	0.7404	ppb	0.2587	34.9	325.498	0.74037
Mg 279.078	2.0977	ppb	0.2503	11.9	41.0354	2.09771
Mn 257.610	-0.0414	ppb	0.1307	316.0	140.781	-0.04135
Mo 202.032	0.0888	ppb	0.3336	375.8	20.2027	0.08876
Na 330.237	45.3374	ppb	82.9924	183.1	60.1259	45.33736
Ni 231.604	0.9184	ppb	0.8363	91.1	-3.1020	0.91836
Pb 220.353	-0.1983	ppb	1.2642	637.4	30.8355	-0.19833
Sb 206.834	5.8567	ppb	3.7352	63.8	9.2955	5.85674
Se 196.026	1.5743	ppb	2.0679	131.4	12.4986	1.57429
Sn 189.925	-1.6152	ppb	1.1214	69.4	-12.1172	-1.61518
Sr 216.596	0.2144	ppb	0.2927	136.5	19.1691	0.21444
Ti 334.941	0.0253	ppb	0.0404	159.7	-24.5735	0.02527
Tl 190.794	3.8797	ppb	2.5939	66.9	-9.5334	3.87972
V 292.401	0.1466	ppb	0.1938	132.2	-6.0304	0.14659
Zn 206.200	0.1828	ppb	0.2530	138.4	0.6073	0.18282

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**680-90050-a-1-a (Samp)**                      **5/8/2013, 6:01:28 PM**                      **Rack 1, Tube 27**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1591	-0.0691u	-0.0876u
Al 308.215	9519.36	9462.76	9496.59
As 188.980	5.4165	1.1087	-0.1175u
B 249.678	-5.2783u	-5.9293u	-5.8618u
Ba 389.178	65.0225	65.3299	64.8916
Be 313.042	0.6522	0.6444	0.6517
Ca 370.602	8125	8026	8060
Cd 226.502	0.0051	0.0448	0.0720
Co 228.615	4.3253	4.9705	5.1928
Cr 267.716	10.8702	10.7279	10.9257
Cu 324.754	183.400	182.844	183.831
Fe 271.441	6321.84	6275.26	6297.57
K 766.491	773.770	767.029	774.862
Mg 279.078	4498.72	4462.50	4477.18
Mn 257.610	27.3338	27.0996	27.3121
Mo 202.032	0.0506	-0.2390u	-0.1442u
Na 330.237	39495.8	38997.9	39219.6
Ni 231.604	5.9413	6.6150	6.9189
Pb 220.353	1.0283	0.7226	0.9417
Sb 206.834	5.3281	1.3460	-0.2323
Se 196.026	0.6608	-5.1684u	5.4047
Sn 189.925	-2.4043u	-1.7211u	-0.5200u
Sr 216.596	49.8391	49.8351	49.6289
Ti 334.941	54.1430	54.0804	54.4321
Tl 190.794	1.8347	-3.0667u	2.3343
V 292.401	6.1830	6.3898	6.2351
Zn 206.200	17.3871	18.0855	18.0776

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0008	ppb	0.1374	17219.9	-39.0890
Al 308.215	9492.90	ppb	28.4831	0.3	38055.7
As 188.980	2.1359	ppb	2.9065	136.1	-4.0379
B 249.678	-5.6898	ppb	0.3580	6.3	281.610
Ba 389.178	65.0813	ppb	0.2250	0.3	1466.98
Be 313.042	0.6494	ppb	0.0044	0.7	813.166
Ca 370.602	8071	ppb	50.45	0.6	24427
Cd 226.502	0.0407	ppb	0.0336	82.7	58.7775
Co 228.615	4.8295	ppb	0.4506	9.3	72.9218
Cr 267.716	10.8413	ppb	0.1021	0.9	562.051
Cu 324.754	183.358	ppb	0.4951	0.3	8581.23
Fe 271.441	6298.22	ppb	23.2935	0.4	11474.5
K 766.491	771.887	ppb	4.2427	0.5	29486.2
Mg 279.078	4479.47	ppb	18.2178	0.4	10109.1
Mn 257.610	27.2485	ppb	0.1294	0.5	1798.53
Mo 202.032	-0.1109	ppb	0.1476	133.2	18.3050
Na 330.237	39237.8	ppb	249.406	0.6	2069.32
Ni 231.604	6.4917	ppb	0.5003	7.7	13.6209
Pb 220.353	0.8976	ppb	0.1575	17.6	33.1970
Sb 206.834	2.1473	ppb	2.8655	133.4	5.1979
Se 196.026	0.2990	ppb	5.2958	1771.1	11.8650
Sn 189.925	-1.5485	ppb	0.9540	61.6	-12.0331
Sr 216.596	49.7677	ppb	0.1202	0.2	635.764
Ti 334.941	54.2185	ppb	0.1876	0.3	16123.1
Tl 190.794	0.3674	ppb	2.9845	812.2	-13.6273
V 292.401	6.2693	ppb	0.1075	1.7	166.898
Zn 206.200	17.8501	ppb	0.4009	2.2	29.0650

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**680-90050-a-2-a (Samp)**                      **5/8/2013, 6:16:09 PM**                      **Rack 1, Tube 28**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2375	-0.0104u	0.3035
Al 308.215	57.7266	57.2964	53.5733
As 188.980	-4.1623u	-4.1361u	3.3689
B 249.678	-0.2080u	-1.0770u	-1.1845u
Ba 389.178	63.5445	64.4796	63.4116
Be 313.042	0.2354	0.2586	0.2580
Ca 370.602	35647	35548	35443
Cd 226.502	1.1464	1.1727	1.2803
Co 228.615	5.1684	4.9578	4.9918
Cr 267.716	0.1953	-0.1430u	-0.1012
Cu 324.754	2562.43	2592.15	2573.22
Fe 271.441	41.5338	36.0915	39.6248
K 766.491	4268.41	4274.41	4286.28
Mg 279.078	9180.74	9185.12	9160.47
Mn 257.610	93.8834	93.9326	94.3712
Mo 202.032	0.9739	0.3901	0.5656
Na 330.237	289569x	286531x	287265x
Ni 231.604	18.5062	17.4357	18.0437
Pb 220.353	1.1464	0.4018	1.4693
Sb 206.834	-3.5247u	1.6859	3.9913
Se 196.026	2.2460	7.2279	1.9107
Sn 189.925	-1.6741u	-2.4811u	1.7908
Sr 216.596	123.466	122.003	122.491
Ti 334.941	0.0892	0.1486	0.1308
Tl 190.794	0.2382	-2.4886u	-5.3343u
V 292.401	-0.0109u	0.2731	0.2850
Zn 206.200	36.4756	38.9636	37.6460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1768b	ppb	0.1655	93.6	-28.8008
Al 308.215	56.1988b	ppb	2.2839	4.1	260.895
As 188.980	-1.6432b	ppb	4.3406	264.2	-5.5186
B 249.678	-0.8232b	ppb	0.5354	65.0	353.372
Ba 389.178	63.8119b	ppb	0.5821	0.9	1441.91
Be 313.042	0.2507b	ppb	0.0132	5.3	63.3764
Ca 370.602	35546b	ppb	101.9	0.3	109673
Cd 226.502	1.1998b	ppb	0.0710	5.9	82.1924
Co 228.615	5.0393b	ppb	0.1131	2.2	74.2470
Cr 267.716	-0.0163b	ppb	0.1845	1131.3	10.6507
Cu 324.754	2575.94b	ppb	15.0440	0.6	117065
Fe 271.441	39.0833b	ppb	2.7613	7.1	183.009
K 766.491	4276.37b	ppb	9.0940	0.2	162007
Mg 279.078	9175.44b	ppb	13.1471	0.1	20671.6
Mn 257.610	94.0624b	ppb	0.2686	0.3	5824.43
Mo 202.032	0.6432b	ppb	0.2995	46.6	24.5009
Na 330.237	287788xb	ppb	1585.21	0.6	14838.2
Ni 231.604	17.9952b	ppb	0.5369	3.0	47.6740
Pb 220.353	1.0058b	ppb	0.5475	54.4	33.2632
Sb 206.834	0.7175b	ppb	3.8505	536.7	3.1915
Se 196.026	3.7949b	ppb	2.9778	78.5	13.7089
Sn 189.925	-0.7881b	ppb	2.2696	288.0	-11.1830
Sr 216.596	122.653b	ppb	0.7449	0.6	1537.14
Ti 334.941	0.1229b	ppb	0.0305	24.8	25.6609
Tl 190.794	-2.5282b	ppb	2.7865	110.2	-16.4606
V 292.401	0.1824b	ppb	0.1675	91.8	-7.2852
Zn 206.200	37.6950b	ppb	1.2447	3.3	59.6544

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680-90050-a-2-aSD^5 (Samp) 5/8/2013, 6:21:33 PM Rack 1, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0152	0.0319	-0.0296u
Al 308.215	10.8350	10.4641	11.3936
As 188.980	1.6606	-2.8406u	2.5996
B 249.678	-15.0282u	-14.9005u	-15.3089u
Ba 389.178	12.7994	12.7358	12.1427
Be 313.042	0.0476	0.0451	0.0480
Ca 370.602	7131	7168	7072
Cd 226.502	0.1223	0.2185	0.0352
Co 228.615	1.0794	1.3424	1.5271
Cr 267.716	0.0901	-0.0065	-0.0687u
Cu 324.754	515.363	518.578	510.882
Fe 271.441	5.9925	-2.2557u	1.2391
K 766.491	712.742	717.405	709.682
Mg 279.078	1866.86	1873.53	1853.50
Mn 257.610	19.4988	19.6851	19.4546
Mo 202.032	-0.1005u	-0.2978u	-0.3160u
Na 330.237	52881.6	53196.7	52297.6
Ni 231.604	4.1172	3.8282	2.7811
Pb 220.353	0.0630	-2.6058u	1.5708
Sb 206.834	-0.5843u	4.4178	5.4748
Se 196.026	5.2012	3.6977	5.2952
Sn 189.925	-2.4104u	-2.2094u	0.9309
Sr 216.596	25.4400	25.0344	24.4109
Ti 334.941	0.0011	-0.0389u	-0.0616u
Tl 190.794	-0.1553u	-1.7747u	-1.8893u
V 292.401	0.1105	0.0438	0.2588
Zn 206.200	7.2717	7.1937	7.7225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0058	ppb	0.0318	548.0	-37.6021
Al 308.215	10.8976	ppb	0.4679	4.3	79.3791
As 188.980	0.4732	ppb	2.9080	614.5	-4.7629
B 249.678	-15.0792	ppb	0.2089	1.4	167.055
Ba 389.178	12.5593	ppb	0.3622	2.9	277.444
Be 313.042	0.0469	ppb	0.0016	3.3	-294.161
Ca 370.602	7124	ppb	48.43	0.7	21993
Cd 226.502	0.1253	ppb	0.0917	73.2	41.0084
Co 228.615	1.3163	ppb	0.2250	17.1	25.6873
Cr 267.716	0.0050	ppb	0.0800	1610.4	7.1053
Cu 324.754	514.941	ppb	3.8656	0.8	23614.3
Fe 271.441	1.6586	ppb	4.1400	249.6	114.887
K 766.491	713.276	ppb	3.8890	0.5	27269.9
Mg 279.078	1864.63	ppb	10.1992	0.5	4229.81
Mn 257.610	19.5462	ppb	0.1223	0.6	1323.71
Mo 202.032	-0.2381	ppb	0.1195	50.2	17.6675
Na 330.237	52792.0	ppb	456.202	0.9	2769.12
Ni 231.604	3.5755	ppb	0.7030	19.7	4.7986
Pb 220.353	-0.3240	ppb	2.1150	652.7	30.5898
Sb 206.834	3.1028	ppb	3.2365	104.3	6.0316
Se 196.026	4.7313	ppb	0.8964	18.9	14.1883
Sn 189.925	-1.2296	ppb	1.8738	152.4	-11.7188
Sr 216.596	24.9618	ppb	0.5184	2.1	325.994
Ti 334.941	-0.0331	ppb	0.0318	95.9	-37.1735
Tl 190.794	-1.2731	ppb	0.9698	76.2	-15.0155
V 292.401	0.1377	ppb	0.1100	79.9	-6.6176
Zn 206.200	7.3960	ppb	0.2855	3.8	11.9611



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**680-90050-a-2-aPDS (Samp) 5/8/2013, 6:26:58 PM Rack 1, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	39.2545	39.9386	40.1696
Al 308.215	2074.96	2062.94	2051.31
As 188.980	2229.93	2216.89	2179.70
B 249.678	1024.31	1026.12	1024.72
Ba 389.178	2147.00	2142.29	2128.54
Be 313.042	51.9703	51.8611	51.6378
Ca 370.602	39677	39533	39373
Cd 226.502	54.1027	53.8822	53.7226
Co 228.615	534.611	535.829	533.138
Cr 267.716	208.469	207.516	206.918
Cu 324.754	2751.21	2722.16	2746.37
Fe 271.441	1031.04	1034.87	1028.44
K 766.491	10973.8	10982.7	10892.2
Mg 279.078	14128.6	14078.3	14004.6
Mn 257.610	633.352	634.291	629.262
Mo 202.032	529.800	530.346	527.869
Na 330.237	285389x	288011x	284970x
Ni 231.604	532.968	536.100	532.206
Pb 220.353	497.333	497.566	497.981
Sb 206.834	508.556	506.750	503.142
Se 196.026	2063.64	2032.24	2048.19
Sn 189.925	1039.18	1034.75	1037.26
Sr 216.596	644.865	643.485	639.889
Ti 334.941	1013.54	1011.72	1006.96
Tl 190.794	2060.18	2064.79	2049.76
V 292.401	503.377	502.659	500.481
Zn 206.200	561.595	558.331	557.643

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	39.7876b	ppb	0.4759	1.2	2998.03
Al 308.215	2063.07b	ppb	11.8232	0.6	8341.13
As 188.980	2208.84b	ppb	26.0632	1.2	1012.87
B 249.678	1025.05b	ppb	0.9494	0.1	13762.5
Ba 389.178	2139.27b	ppb	9.5938	0.4	47863.4
Be 313.042	51.8231b	ppb	0.1695	0.3	94567.5
Ca 370.602	39528b	ppb	152.1	0.4	122075
Cd 226.502	53.9025b	ppb	0.1909	0.4	2160.15
Co 228.615	534.526b	ppb	1.3477	0.3	6993.62
Cr 267.716	207.635b	ppb	0.7820	0.4	10614.9
Cu 324.754	2739.91b	ppb	15.5602	0.6	124509
Fe 271.441	1031.45b	ppb	3.2319	0.3	2064.64
K 766.491	10949.6b	ppb	49.8879	0.5	414353
Mg 279.078	14070.5b	ppb	62.3435	0.4	31671.7
Mn 257.610	632.302b	ppb	2.6743	0.4	38205.1
Mo 202.032	529.339b	ppb	1.3014	0.2	4124.11
Na 330.237	286123xb	ppb	1647.93	0.6	14740.5
Ni 231.604	533.758b	ppb	2.0635	0.4	1581.23
Pb 220.353	497.626b	ppb	0.3283	0.1	1023.54
Sb 206.834	506.149b	ppb	2.7567	0.5	597.269
Se 196.026	2048.02b	ppb	15.6991	0.8	1104.64
Sn 189.925	1037.06b	ppb	2.2249	0.2	995.335
Sr 216.596	642.747b	ppb	2.5688	0.4	7937.92
Ti 334.941	1010.74b	ppb	3.3958	0.3	300811
Tl 190.794	2058.24b	ppb	7.7022	0.4	2163.55
V 292.401	502.173b	ppb	1.5082	0.3	14075.0
Zn 206.200	559.190b	ppb	2.1110	0.4	879.933

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**680-90050-a-2-b ms (Samp)**      **5/8/2013, 6:32:22 PM**      **Rack 1, Tube 31**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.7181	52.6830	52.8024
Al 308.215	5126.44	5149.28	5206.04
As 188.980	106.724	113.753	105.998
B 249.678	211.066	209.590	211.567
Ba 389.178	167.400	166.602	167.259
Be 313.042	52.3604	52.2001	52.6135
Ca 370.602	40696	40654	40943
Cd 226.502	54.4672	54.1755	54.5627
Co 228.615	57.3549	56.3881	57.1729
Cr 267.716	104.360	103.233	104.969
Cu 324.754	2688.47	2686.14	2698.95
Fe 271.441	4926.19	4905.66	4943.70
K 766.491	10918.5	10857.9	10911.5
Mg 279.078	14178.0	14216.1	14320.2
Mn 257.610	637.040	630.240	631.840
Mo 202.032	101.058	100.741	102.264
Na 330.237	299749x	299027x	300735x
Ni 231.604	121.004	119.898	121.075
Pb 220.353	53.4615	49.0601	46.8513
Sb 206.834	51.0001	47.4181	51.7288
Se 196.026	109.978	98.2365	106.640
Sn 189.925	202.171	195.135	201.785
Sr 216.596	227.529	224.417	226.747
Ti 334.941	98.7066	98.1602	98.9328
Tl 190.794	33.6712	35.4727	40.8900
V 292.401	101.411	100.897	101.533
Zn 206.200	140.886	143.502	143.425

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.7345b	ppb	0.0614	0.1	4010.19
Al 308.215	5160.59b	ppb	40.9842	0.8	20712.5
As 188.980	108.825b	ppb	4.2832	3.9	45.3634
B 249.678	210.741b	ppb	1.0281	0.5	3112.66
Ba 389.178	167.087b	ppb	0.4262	0.3	3771.23
Be 313.042	52.3913b	ppb	0.2084	0.4	95689.2
Ca 370.602	40765b	ppb	156.3	0.4	125420
Cd 226.502	54.4018b	ppb	0.2017	0.4	2192.57
Co 228.615	56.9720b	ppb	0.5138	0.9	751.097
Cr 267.716	104.187b	ppb	0.8808	0.8	5335.11
Cu 324.754	2691.19b	ppb	6.8221	0.3	122293
Fe 271.441	4925.18b	ppb	19.0379	0.4	9007.05
K 766.491	10896.0b	ppb	33.1807	0.3	412326
Mg 279.078	14238.1b	ppb	73.6232	0.5	32048.5
Mn 257.610	633.040b	ppb	3.5557	0.6	38252.6
Mo 202.032	101.354b	ppb	0.8036	0.8	805.174
Na 330.237	299837xb	ppb	857.231	0.3	15453.0
Ni 231.604	120.659b	ppb	0.6603	0.5	353.043
Pb 220.353	49.7910b	ppb	3.3651	6.8	130.694
Sb 206.834	50.0490b	ppb	2.3074	4.6	61.9562
Se 196.026	104.951b	ppb	6.0501	5.8	67.8570
Sn 189.925	199.697b	ppb	3.9553	2.0	183.256
Sr 216.596	226.231b	ppb	1.6192	0.7	2814.78
Ti 334.941	98.5999b	ppb	0.3972	0.4	29357.0
Tl 190.794	36.6780b	ppb	3.7573	10.2	23.9751
V 292.401	101.280b	ppb	0.3375	0.3	2824.25
Zn 206.200	142.604b	ppb	1.4886	1.0	224.985

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**680-90050-a-2-c msd (Samp) 5/8/2013, 6:37:47 PM Rack 1, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.7127	51.8638	52.0681
Al 308.215	4994.89	4991.76	5013.89
As 188.980	113.353	106.001	99.4546
B 249.678	199.360	197.940	200.046
Ba 389.178	161.948	161.859	161.655
Be 313.042	51.1463	50.9617	50.9489
Ca 370.602	38938	39023	39023
Cd 226.502	52.8404	52.7629	52.8573
Co 228.615	55.7584	54.6389	55.7419
Cr 267.716	101.338	101.475	101.050
Cu 324.754	2570.52	2574.58	2560.68
Fe 271.441	4802.70	4794.40	4793.12
K 766.491	10518.6	10432.3	10441.9
Mg 279.078	13732.9	13739.9	13756.4
Mn 257.610	619.715	616.072	613.497
Mo 202.032	98.0857	97.6746	99.5117
Na 330.237	287047x	286332x	285853x
Ni 231.604	118.161	116.543	117.314
Pb 220.353	50.6933	48.1498	48.2255
Sb 206.834	48.1301	52.0982	53.6043
Se 196.026	109.941	98.9252	100.835
Sn 189.925	190.599	189.680	190.208
Sr 216.596	218.775	219.545	217.749
Ti 334.941	96.7840	96.4502	96.4324
Tl 190.794	32.2071	36.2946	39.7183
V 292.401	99.1923	98.0832	97.9984
Zn 206.200	134.595	137.616	138.757

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8815b	ppb	0.1784	0.3	3944.86
Al 308.215	5000.18b	ppb	11.9724	0.2	20069.8
As 188.980	106.269b	ppb	6.9528	6.5	44.1744
B 249.678	199.116b	ppb	1.0740	0.5	2960.85
Ba 389.178	161.821b	ppb	0.1502	0.1	3652.02
Be 313.042	51.0190b	ppb	0.1105	0.2	93173.2
Ca 370.602	38995b	ppb	49.20	0.1	119969
Cd 226.502	52.8202b	ppb	0.0503	0.1	2129.98
Co 228.615	55.3797b	ppb	0.6416	1.2	730.359
Cr 267.716	101.288b	ppb	0.2167	0.2	5186.72
Cu 324.754	2568.60b	ppb	7.1478	0.3	116735
Fe 271.441	4796.74b	ppb	5.2004	0.1	8775.04
K 766.491	10464.3b	ppb	47.3049	0.5	396001
Mg 279.078	13743.1b	ppb	12.0710	0.1	30935.5
Mn 257.610	616.428b	ppb	3.1238	0.5	37252.2
Mo 202.032	98.4240b	ppb	0.9641	1.0	782.458
Na 330.237	286411xb	ppb	600.864	0.2	14763.6
Ni 231.604	117.339b	ppb	0.8095	0.7	343.170
Pb 220.353	49.0228b	ppb	1.4471	3.0	129.159
Sb 206.834	51.2775b	ppb	2.8279	5.5	63.4039
Se 196.026	103.234b	ppb	5.8865	5.7	66.9351
Sn 189.925	190.162b	ppb	0.4609	0.2	174.003
Sr 216.596	218.689b	ppb	0.9012	0.4	2721.44
Ti 334.941	96.5555b	ppb	0.1981	0.2	28747.3
Tl 190.794	36.0733b	ppb	3.7605	10.4	23.3677
V 292.401	98.4246b	ppb	0.6662	0.7	2744.33
Zn 206.200	136.989b	ppb	2.1508	1.6	216.143

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**680-90043-d-1-a (Samp)**                      **5/8/2013, 6:43:13 PM**                      **Rack 1, Tube 33**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2312	0.1275	0.0009u
Al 308.215	472.466	467.718	468.956
As 188.980	-2.8734u	-5.3422u	-2.4688u
B 249.678	-3.3988u	-4.0717u	-5.0914u
Ba 389.178	17.1277	17.8511	18.0248
Be 313.042	0.0179	0.0157	0.0154
Ca 370.602	4852	4819	4839
Cd 226.502	0.4923	0.5369	0.5111
Co 228.615	-0.1084u	0.2290	0.4552
Cr 267.716	0.7638	0.6008	0.8324
Cu 324.754	109.343	107.579	108.333
Fe 271.441	341.193	334.434	342.535
K 766.491	4827.19	4791.60	4819.76
Mg 279.078	1522.61	1501.47	1514.97
Mn 257.610	18.4456	18.5096	18.6672
Mo 202.032	-0.5256u	-0.1903u	-0.2628u
Na 330.237	2265.74	2185.16	2126.72
Ni 231.604	65.6887	66.7579	67.5951
Pb 220.353	10.5331	7.7409	11.1975
Sb 206.834	3.2886	5.5825	1.9773
Se 196.026	2.0697	-6.5715u	-7.3251u
Sn 189.925	-2.4522u	-0.2962u	-2.1691u
Sr 216.596	16.5494	15.7876	16.4442
Ti 334.941	2.8720	2.7397	2.8321
Tl 190.794	-0.2395u	0.1169	-0.8610u
V 292.401	0.9801	0.7227	0.8466
Zn 206.200	311.984	313.873	314.776

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1199	ppb	0.1154	96.2	-28.4247
Al 308.215	469.713	ppb	2.4630	0.5	1916.96
As 188.980	-3.5615	ppb	1.5553	43.7	-6.6421
B 249.678	-4.1873	ppb	0.8522	20.4	309.008
Ba 389.178	17.6679	ppb	0.4758	2.7	391.233
Be 313.042	0.0163	ppb	0.0014	8.5	-345.674
Ca 370.602	4837	ppb	16.56	0.3	14911
Cd 226.502	0.5134	ppb	0.0224	4.4	57.6923
Co 228.615	0.1919	ppb	0.2837	147.8	11.0976
Cr 267.716	0.7323	ppb	0.1190	16.2	43.4059
Cu 324.754	108.418	ppb	0.8853	0.8	5181.70
Fe 271.441	339.387	ppb	4.3419	1.3	723.969
K 766.491	4812.85	ppb	18.7733	0.4	182294
Mg 279.078	1513.01	ppb	10.7034	0.7	3438.91
Mn 257.610	18.5408	ppb	0.1140	0.6	1262.59
Mo 202.032	-0.3263	ppb	0.1764	54.1	16.9640
Na 330.237	2192.54	ppb	69.8058	3.2	167.875
Ni 231.604	66.6806	ppb	0.9556	1.4	192.439
Pb 220.353	9.8238	ppb	1.8342	18.7	50.8646
Sb 206.834	3.6161	ppb	1.8248	50.5	6.6604
Se 196.026	-3.9423	ppb	5.2202	132.4	9.5620
Sn 189.925	-1.6392	ppb	1.1717	71.5	-12.1372
Sr 216.596	16.2604	ppb	0.4128	2.5	217.064
Ti 334.941	2.8146	ppb	0.0678	2.4	812.706
Tl 190.794	-0.3279	ppb	0.4949	150.9	-14.0321
V 292.401	0.8498	ppb	0.1287	15.1	13.9308
Zn 206.200	313.544	ppb	1.4244	0.5	493.858

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680-90036-e-1-a (Samp) 5/8/2013, 6:48:39 PM Rack 1, Tube 34

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3423u	-0.1118u	-0.1149u
Al 308.215	16.2655	16.4858	16.4579
As 188.980	-4.5342u	5.3419	4.5552
B 249.678	7.4711	8.8816	8.5820
Ba 389.178	137.998	138.385	140.265
Be 313.042	-0.0211u	-0.0175u	-0.0081u
Ca 370.602	36186	36118	36091
Cd 226.502	-0.0922u	-0.2485u	-0.1435u
Co 228.615	-0.4509u	0.5182	-0.0717u
Cr 267.716	0.3460	0.3413	0.3125
Cu 324.754	1147.97	1147.95	1135.55
Fe 271.441	64.6963	63.2688	69.0331
K 766.491	13635.1	13662.3	13710.8
Mg 279.078	7705.12	7712.92	7707.12
Mn 257.610	25.5876	25.7150	25.8422
Mo 202.032	-0.0934u	-0.4458u	-0.5494u
Na 330.237	69143.5	69132.8	69223.1
Ni 231.604	1.3507	1.6718	1.8676
Pb 220.353	2.7530	1.0755	-0.4654u
Sb 206.834	5.1429	3.7942	-4.6992u
Se 196.026	1.3087	-4.9263u	-4.2754u
Sn 189.925	-0.4114u	-1.1986u	1.6825
Sr 216.596	536.807	536.822	537.573
Ti 334.941	0.0701	0.1310	0.1626
Tl 190.794	-3.3739u	-2.9830u	1.7625
V 292.401	0.0195	0.0311	-0.1074u
Zn 206.200	41.5539	39.1653	40.0800

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1897	ppb	0.1322	69.7	-76.5006
Al 308.215	16.4031	ppb	0.1199	0.7	101.411
As 188.980	1.7876	ppb	5.4890	307.1	-3.9314
B 249.678	8.3116	ppb	0.7431	8.9	472.772
Ba 389.178	138.883	ppb	1.2125	0.9	3116.71
Be 313.042	-0.0156	ppb	0.0067	43.3	-401.420
Ca 370.602	36131	ppb	49.00	0.1	111474
Cd 226.502	-0.1614	ppb	0.0797	49.4	29.9239
Co 228.615	-0.0015	ppb	0.4884	32767.2	8.5140
Cr 267.716	0.3333	ppb	0.0181	5.4	24.2208
Cu 324.754	1143.82	ppb	7.1684	0.6	52129.3
Fe 271.441	65.6660	ppb	3.0020	4.6	230.138
K 766.491	13669.4	ppb	38.3299	0.3	517203
Mg 279.078	7708.38	ppb	4.0504	0.1	17373.2
Mn 257.610	25.7150	ppb	0.1273	0.5	1710.77
Mo 202.032	-0.3629	ppb	0.2391	65.9	16.6962
Na 330.237	69166.5	ppb	49.3539	0.1	3609.83
Ni 231.604	1.6300	ppb	0.2610	16.0	-0.9843
Pb 220.353	1.1210	ppb	1.6097	143.6	33.4783
Sb 206.834	1.4126	ppb	5.3358	377.7	4.0359
Se 196.026	-2.6310	ppb	3.4273	130.3	10.2620
Sn 189.925	0.0242	ppb	1.4891	6158.5	-10.4820
Sr 216.596	537.067	ppb	0.4379	0.1	6662.53
Ti 334.941	0.1212	ppb	0.0470	38.8	35.6016
Tl 190.794	-1.5315	ppb	2.8594	186.7	-15.3032
V 292.401	-0.0189	ppb	0.0769	406.1	-11.0718
Zn 206.200	40.2664	ppb	1.2952	3.0	63.7036

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**mb 680-275746/1-a (Samp)      5/8/2013, 6:54:05 PM      Rack 1, Tube 35**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0997	0.0183	0.3419
Al 308.215	2.4686	4.6473	2.9276
As 188.980	-12.0263u	-8.2019u	1.8770
B 249.678	-14.3537u	-14.6126u	-15.3049u
Ba 389.178	-0.5770u	0.8280	0.2873
Be 313.042	-0.0102u	-0.0026u	-0.0107u
Ca 370.602	-2.222u	0.7343	3.008
Cd 226.502	-0.0670u	-0.0406u	-0.1318u
Co 228.615	0.4883	0.1157	0.3877
Cr 267.716	-0.1743u	0.0710	0.0536
Cu 324.754	0.0852	-0.2247u	0.3732
Fe 271.441	-2.7594u	-6.6113u	-8.3431u
K 766.491	1.6782	3.7608	2.9921
Mg 279.078	6.3768	-0.2701u	1.2948
Mn 257.610	-0.1839u	-0.1488u	-0.2918u
Mo 202.032	-0.6544u	-0.7026u	-0.6535u
Na 330.237	80.3426	57.2379	89.2268
Ni 231.604	-0.3728u	-0.0501u	0.6880
Pb 220.353	0.1793	-2.8682u	1.1536
Sb 206.834	6.0090	-4.4252u	1.0644
Se 196.026	1.1291	2.5970	2.3126
Sn 189.925	-0.3018u	-1.2684u	-3.6003u
Sr 216.596	0.6090	0.6284	0.2079
Ti 334.941	-0.0721u	-0.0742u	-0.0705u
Tl 190.794	-1.9025u	-1.7221u	-2.9275u
V 292.401	-0.1071u	0.0435	0.3457
Zn 206.200	-0.4177u	0.7233	0.6361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1533	ppb	0.1683	109.8	-25.1772
Al 308.215	3.3479	ppb	1.1485	34.3	49.0731
As 188.980	-6.1171	ppb	7.1823	117.4	-7.8545
B 249.678	-14.7571	ppb	0.4918	3.3	171.273
Ba 389.178	0.1795	ppb	0.7087	394.9	-4.0807
Be 313.042	-0.0078	ppb	0.0045	58.0	-391.073
Ca 370.602	0.5065	ppb	2.622	517.7	16.57
Cd 226.502	-0.0798	ppb	0.0469	58.8	33.1865
Co 228.615	0.3306	ppb	0.1927	58.3	12.8503
Cr 267.716	-0.0166	ppb	0.1369	825.9	4.9556
Cu 324.754	0.0779	ppb	0.2990	384.0	269.200
Fe 271.441	-5.9046	ppb	2.8582	48.4	101.079
K 766.491	2.8104	ppb	1.0531	37.5	403.774
Mg 279.078	2.4672	ppb	3.4751	140.9	41.8673
Mn 257.610	-0.2082	ppb	0.0745	35.8	130.748
Mo 202.032	-0.6702	ppb	0.0281	4.2	14.3166
Na 330.237	75.6023	ppb	16.5128	21.8	61.6838
Ni 231.604	0.0884	ppb	0.5438	615.2	-5.5698
Pb 220.353	-0.5118	ppb	2.0981	410.0	30.2112
Sb 206.834	0.8828	ppb	5.2195	591.3	3.4098
Se 196.026	2.0129	ppb	0.7785	38.7	12.7325
Sn 189.925	-1.7235	ppb	1.6957	98.4	-12.2222
Sr 216.596	0.4818	ppb	0.2374	49.3	22.5240
Ti 334.941	-0.0723	ppb	0.0019	2.6	-53.6037
Tl 190.794	-2.1840	ppb	0.6501	29.8	-15.9488
V 292.401	0.0940	ppb	0.2306	245.2	-7.3084
Zn 206.200	0.3139	ppb	0.6351	202.3	0.8137

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llcs 680-275746/2-a (Samp) 5/8/2013, 6:59:31 PM Rack 1, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.4189	10.3037	10.3676
Al 308.215	214.211	215.718	213.090
As 188.980	17.3422	17.8414	20.7824
B 249.678	83.4109	85.4260	84.0069
Ba 389.178	10.8461	10.7095	10.4369
Be 313.042	4.3750	4.4171	4.4049
Ca 370.602	522.0	529.3	528.2
Cd 226.502	5.6449	5.6380	5.4864
Co 228.615	11.0261	10.8413	11.5855
Cr 267.716	10.6836	11.1238	10.8751
Cu 324.754	22.2905	22.4659	22.1844
Fe 271.441	52.6849	49.2973	51.8161
K 766.491	1085.31	1096.64	1087.29
Mg 279.078	532.152	539.781	534.916
Mn 257.610	11.2638	11.5509	11.4062
Mo 202.032	9.9575	9.9901	10.0229
Na 330.237	1060.39	1152.56	1018.96
Ni 231.604	42.8626	44.1117	44.0913
Pb 220.353	9.8761	11.9751	9.2677
Sb 206.834	22.4769	24.1876	22.8829
Se 196.026	17.4253	12.6538	18.1567
Sn 189.925	50.6427	50.2266	51.6300
Sr 216.596	11.1799	11.5016	10.5010
Ti 334.941	10.1076	10.2621	10.1536
Tl 190.794	23.0789	22.7237	25.9185
V 292.401	10.8066	10.7258	10.6693
Zn 206.200	21.7804	22.3233	23.7195

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3634	ppb	0.0577	0.6	759.433
Al 308.215	214.340	ppb	1.3189	0.6	894.985
As 188.980	18.6553	ppb	1.8590	10.0	3.5607
B 249.678	84.2813	ppb	1.0352	1.2	1465.86
Ba 389.178	10.6642	ppb	0.2083	2.0	231.843
Be 313.042	4.3990	ppb	0.0216	0.5	7690.56
Ca 370.602	526.5	ppb	3.944	0.7	1637
Cd 226.502	5.5898	ppb	0.0896	1.6	256.538
Co 228.615	11.1510	ppb	0.3875	3.5	153.944
Cr 267.716	10.8942	ppb	0.2207	2.0	562.136
Cu 324.754	22.3136	ppb	0.1422	0.6	1277.61
Fe 271.441	51.2661	ppb	1.7595	3.4	206.097
K 766.491	1089.75	ppb	6.0482	0.6	41506.0
Mg 279.078	535.617	ppb	3.8628	0.7	1240.75
Mn 257.610	11.4069	ppb	0.1435	1.3	830.709
Mo 202.032	9.9902	ppb	0.0327	0.3	96.9760
Na 330.237	1077.31	ppb	68.3858	6.3	112.854
Ni 231.604	43.6885	ppb	0.7154	1.6	124.069
Pb 220.353	10.3730	ppb	1.4204	13.7	51.9285
Sb 206.834	23.1824	ppb	0.8939	3.9	29.8634
Se 196.026	16.0786	ppb	2.9884	18.6	20.2413
Sn 189.925	50.8331	ppb	0.7208	1.4	38.7482
Sr 216.596	11.0608	ppb	0.5108	4.6	152.134
Ti 334.941	10.1744	ppb	0.0793	0.8	2998.34
Tl 190.794	23.9070	ppb	1.7510	7.3	11.6447
V 292.401	10.7339	ppb	0.0690	0.6	290.645
Zn 206.200	22.6077	ppb	1.0993	4.4	35.8757

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Cont Calib Verif (CCV)                      5/8/2013, 7:04:56 PM                      Rack 1, Tube 37  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	386.109	521.264	494.745
Al 308.215	3824.38	5466.39	4959.13
As 188.980	391.572	547.205	499.061
B 249.678	374.383	543.422	498.079
Ba 389.178	3967.13	5613.63	5143.23
Be 313.042	397.667	564.590	516.836
Ca 370.602	3915	5505	5055
Cd 226.502	401.392	574.410	522.120
Co 228.615	404.631	572.903	523.952
Cr 267.716	3985.98	5676.30	5176.30
Cu 324.754	4063.35	5284.14	5226.00
Fe 271.441	3801.77	5488.95	4985.34
K 766.491	7989.42	10726.1	10086.6
Mg 279.078	3851.75	5461.37	4990.67
Mn 257.610	4057.12	5776.15	5238.61
Mo 202.032	388.088	555.175	506.784
Na 330.237	5389.41	7705.89	7045.38
Ni 231.604	2014.54	2865.21	2606.51
Pb 220.353	378.419	543.510	494.626
Sb 206.834	754.990	1093.48	987.104
Se 196.026	3815.24	5410.07	4932.44
Sn 189.925	3550.09	5747.02	5075.65
Sr 216.596	1968.89	2794.19	2548.95
Ti 334.941	382.494	544.987	497.554
Tl 190.794	3961.66	5513.07	5076.64
V 292.401	3849.48	5465.10	4990.49
Zn 206.200	2005.29	2840.27	2589.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	467.373	ppb	71.6150	15.3	35836.8	93.47450
Al 308.215	4749.97	ppb	840.748	17.7	19045.1	94.99933
As 188.980	479.279	ppb	79.6799	16.6	215.694	95.85589
B 249.678	471.961	ppb	87.4934	18.5	6527.54	18.87845Q
Ba 389.178	4908.00	ppb	848.079	17.3	109758	98.15994
Be 313.042	493.031	ppb	85.9698	17.4	903772	98.60618
Ca 370.602	4825	ppb	819.4	17.0	14787	96.50436
Cd 226.502	499.307	ppb	88.7362	17.8	19705.6	99.86143
Co 228.615	500.496	ppb	86.5536	17.3	6549.82	100.09914
Cr 267.716	4946.19	ppb	868.340	17.6	252591	98.92389
Cu 324.754	4857.83	ppb	688.654	14.2	220501	97.15660
Fe 271.441	4758.69	ppb	866.124	18.2	8825.31	95.17376
K 766.491	9600.72	ppb	1431.59	14.9	363347	96.00723
Mg 279.078	4767.93	ppb	827.607	17.4	10673.5	95.35861
Mn 257.610	5023.96	ppb	879.392	17.5	302270	100.47924
Mo 202.032	483.349	ppb	85.9733	17.8	3758.60	96.66978
Na 330.237	6713.56	ppb	1193.36	17.8	378.130	89.51416Q
Ni 231.604	2495.42	ppb	436.076	17.5	7413.97	99.81676
Pb 220.353	472.185	ppb	84.8025	18.0	974.372	94.43703
Sb 206.834	945.191	ppb	173.093	18.3	1178.92	94.51911
Se 196.026	4719.25	ppb	818.510	17.3	2531.17	94.38492
Sn 189.925	4790.92	ppb	1125.80	23.5	4635.73	95.81842
Sr 216.596	2437.35	ppb	423.819	17.4	30092.6	97.49385
Ti 334.941	475.012	ppb	83.5591	17.6	141355	95.00232
Tl 190.794	4850.45	ppb	800.055	16.5	5113.31	97.00907
V 292.401	4768.36	ppb	830.399	17.4	134333	95.36716
Zn 206.200	2478.50	ppb	428.496	17.3	3886.62	99.13985



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Cont Calib Blank (CCB)                      5/8/2013, 7:10:20 PM                      Rack 1, Tube 38  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4178	0.2730	0.0974
Al 308.215	1.8268	0.4153	2.1507
As 188.980	-4.4232u	-2.8102u	1.4567
B 249.678	-8.0842u	-9.2085u	-9.5880u
Ba 389.178	0.4066	0.6416	0.7454
Be 313.042	-0.0051u	-0.0049u	0.0039
Ca 370.602	-4.494u	-8.703u	-2.407u
Cd 226.502	0.0317	-0.0998u	-0.1202u
Co 228.615	0.6764	-0.0098u	-0.4761u
Cr 267.716	-0.2201u	0.1469	0.0845
Cu 324.754	-0.2835u	0.2439	0.0248
Fe 271.441	-1.8095u	-1.1424u	0.1390
K 766.491	-0.1182u	-0.9128u	-0.1492u
Mg 279.078	0.9351	-0.1680u	1.5792
Mn 257.610	-0.1700u	-0.1005u	-0.2725u
Mo 202.032	0.3948	-0.2144u	0.1760
Na 330.237	147.296	129.836	210.926
Ni 231.604	1.0279	-0.4459u	2.4905
Pb 220.353	-2.6319u	2.8698	0.2201
Sb 206.834	8.9289	1.0515	4.4105
Se 196.026	-0.7872u	1.6128	-1.8136u
Sn 189.925	-1.2873u	-2.5893u	0.3233
Sr 216.596	-0.1817u	0.1454	0.0592
Ti 334.941	0.0236	0.0350	-0.0565u
Tl 190.794	1.6318	-4.0569u	-1.8198u
V 292.401	-0.1267u	-0.3286u	0.1378
Zn 206.200	-0.0491u	-0.1286u	-0.2398u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2627	ppb	0.1604	61.1	-16.7476	0.26275
Al 308.215	1.4642	ppb	0.9228	63.0	41.6232	1.46425
As 188.980	-1.9256	ppb	3.0382	157.8	-5.9236	-1.92557
B 249.678	-8.9602	ppb	0.7821	8.7	247.044	-8.96024
Ba 389.178	0.5979	ppb	0.1736	29.0	5.2810	0.59788
Be 313.042	-0.0020	ppb	0.0051	253.7	-380.584	-0.00202
Ca 370.602	-5.201	ppb	3.207	61.7	-1.423	-5.20137
Cd 226.502	-0.0628	ppb	0.0824	131.4	33.8739	-0.06276
Co 228.615	0.0635	ppb	0.5797	913.2	9.3283	0.06348
Cr 267.716	0.0038	ppb	0.1964	5216.7	6.0002	0.00376
Cu 324.754	-0.0049	ppb	0.2650	5385.8	265.473	-0.00492
Fe 271.441	-0.9376	ppb	0.9903	105.6	109.996	-0.93764
K 766.491	-0.3934	ppb	0.4501	114.4	282.623	-0.39344
Mg 279.078	0.7821	ppb	0.8836	113.0	38.0801	0.78214
Mn 257.610	-0.1810	ppb	0.0866	47.8	132.379	-0.18101
Mo 202.032	0.1188	ppb	0.3086	259.7	20.4363	0.11883
Na 330.237	162.686	ppb	42.6796	26.2	66.1552	162.68605
Ni 231.604	1.0242	ppb	1.4682	143.4	-2.7874	1.02416
Pb 220.353	0.1527	ppb	2.7515	1802.2	31.5366	0.15267
Sb 206.834	4.7970	ppb	3.9529	82.4	8.0365	4.79697
Se 196.026	-0.3293	ppb	1.7585	534.0	11.4828	-0.32931
Sn 189.925	-1.1844	ppb	1.4590	123.2	-11.6994	-1.18444
Sr 216.596	0.0076	ppb	0.1696	2218.3	16.6001	0.00764
Ti 334.941	0.0007	ppb	0.0498	6924.4	-31.9024	0.00072
Tl 190.794	-1.4150	ppb	2.8659	202.5	-15.1359	-1.41500
V 292.401	-0.1058	ppb	0.2339	221.1	-13.1569	-0.10580
Zn 206.200	-0.1392	ppb	0.0958	68.8	0.1011	-0.13916

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

ics 680-275746/4-a (Samp)      5/8/2013, 7:15:44 PM      Rack 1, Tube 39  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	21.8743	21.4382	20.9653
Al 308.215	2069.77	2061.05	2089.71
As 188.980	45.8822	41.5651	41.4860
B 249.678	68.0664	68.2022	70.0552
Ba 389.178	44.4529	43.8382	44.8295
Be 313.042	22.1386	22.0959	22.2141
Ca 370.602	2061	2054	2070
Cd 226.502	22.4482	22.4335	22.4433
Co 228.615	22.2703	21.9383	22.6316
Cr 267.716	44.2587	44.0116	44.3501
Cu 324.754	44.4224	44.8821	44.2887
Fe 271.441	2105.03	2084.28	2103.30
K 766.491	2142.43	2125.32	2147.55
Mg 279.078	2117.55	2123.85	2134.89
Mn 257.610	231.351	229.017	229.816
Mo 202.032	41.4357	41.7195	42.4133
Na 330.237	2206.05	2136.90	1920.50
Ni 231.604	42.9392	44.8103	45.8144
Pb 220.353	20.7226	25.7491	20.5901
Sb 206.834	20.7468	22.9096	23.9128
Se 196.026	33.4588	35.1731	47.2469
Sn 189.925	81.0608	81.4616	82.8854
Sr 216.596	43.0633	44.1721	43.4576
Ti 334.941	41.6955	41.5084	41.8241
Tl 190.794	14.4264	11.6030	16.8947
V 292.401	43.2274	42.6480	42.8691
Zn 206.200	42.5955	45.1892	44.7527

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.4259	ppb	0.4546	2.1	1609.63
Al 308.215	2073.51	ppb	14.6926	0.7	8343.70
As 188.980	42.9778	ppb	2.5156	5.9	14.7570
B 249.678	68.7746	ppb	1.1111	1.6	1260.49
Ba 389.178	44.3735	ppb	0.5004	1.1	992.576
Be 313.042	22.1495	ppb	0.0599	0.3	40245.7
Ca 370.602	2062	ppb	7.962	0.4	6224
Cd 226.502	22.4416	ppb	0.0075	0.0	926.691
Co 228.615	22.2801	ppb	0.3468	1.6	298.916
Cr 267.716	44.2068	ppb	0.1751	0.4	2264.60
Cu 324.754	44.5311	ppb	0.3113	0.7	2286.06
Fe 271.441	2097.54	ppb	11.5124	0.5	3899.71
K 766.491	2138.44	ppb	11.6404	0.5	81161.9
Mg 279.078	2125.43	ppb	8.7789	0.4	4812.58
Mn 257.610	230.061	ppb	1.1862	0.5	13985.1
Mo 202.032	41.8562	ppb	0.5029	1.2	343.961
Na 330.237	2087.82	ppb	148.969	7.1	163.326
Ni 231.604	44.5213	ppb	1.4592	3.3	126.594
Pb 220.353	22.3540	ppb	2.9410	13.2	75.8761
Sb 206.834	22.5231	ppb	1.6180	7.2	29.1831
Se 196.026	38.6263	ppb	7.5147	19.5	32.3433
Sn 189.925	81.8026	ppb	0.9589	1.2	68.7838
Sr 216.596	43.5644	ppb	0.5621	1.3	553.891
Ti 334.941	41.6760	ppb	0.1587	0.4	12381.2
Tl 190.794	14.3080	ppb	2.6478	18.5	1.0485
V 292.401	42.9148	ppb	0.2924	0.7	1191.99
Zn 206.200	44.1791	ppb	1.3887	3.1	69.9476

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89860-a-1-a (Samp) 5/8/2013, 7:21:08 PM Rack 1, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0521u	-0.1222u	0.2460
Al 308.215	4.0906	4.6758	4.7898
As 188.980	-6.1723u	-2.4660u	-1.8634u
B 249.678	-7.9473u	-8.0956u	-7.6867u
Ba 389.178	59.9548	60.4151	59.0772
Be 313.042	-0.0203u	-0.0192u	-0.0174u
Ca 370.602	39955	39983	39979
Cd 226.502	-0.1853u	-0.2624u	-0.2478u
Co 228.615	-0.2660u	-0.1055u	0.1813
Cr 267.716	0.2974	0.1592	0.1508
Cu 324.754	22.6224	22.1514	23.0253
Fe 271.441	6.7825	4.0765	-1.2852u
K 766.491	2772.51	2767.29	2771.91
Mg 279.078	18667.2	18714.3	18647.3
Mn 257.610	-0.8245	-0.7971	-0.7466
Mo 202.032	-0.1687u	-0.2332u	-0.2880u
Na 330.237	17575.9	17298.0	17489.8
Ni 231.604	1.5166	0.3436	1.0292
Pb 220.353	2.8803	2.0912	1.5199
Sb 206.834	2.9344	-0.8612u	1.0855
Se 196.026	-2.2603u	-7.2036u	-2.2986u
Sn 189.925	-1.6806u	-0.9249u	-0.2600u
Sr 216.596	209.675	210.270	210.457
Ti 334.941	-0.2686	-0.3020u	-0.2460
Tl 190.794	-2.5451u	-2.4549u	0.2305
V 292.401	6.4694	6.7955	6.6092
Zn 206.200	36.5996	35.4428	36.1113

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0586	ppb	0.1842	314.0	-42.5791
Al 308.215	4.5187	ppb	0.3751	8.3	53.7579
As 188.980	-3.5005	ppb	2.3333	66.7	-6.3372
B 249.678	-7.9099	ppb	0.2070	2.6	260.777
Ba 389.178	59.8157	ppb	0.6797	1.1	1376.62
Be 313.042	-0.0190	ppb	0.0014	7.6	-400.993
Ca 370.602	39972	ppb	14.99	0.0	123327
Cd 226.502	-0.2318	ppb	0.0410	17.7	27.3814
Co 228.615	-0.0634	ppb	0.2266	357.2	7.6815
Cr 267.716	0.2024	ppb	0.0823	40.7	16.3939
Cu 324.754	22.5997	ppb	0.4374	1.9	1290.35
Fe 271.441	3.1913	ppb	4.1061	128.7	117.478
K 766.491	2770.57	ppb	2.8535	0.1	105066
Mg 279.078	18676.2	ppb	34.4172	0.2	42041.9
Mn 257.610	-0.7894	ppb	0.0395	5.0	147.030
Mo 202.032	-0.2300	ppb	0.0597	25.9	17.7172
Na 330.237	17454.6	ppb	142.263	0.8	953.989
Ni 231.604	0.9632	ppb	0.5893	61.2	-2.9686
Pb 220.353	2.1638	ppb	0.6831	31.6	35.5534
Sb 206.834	1.0529	ppb	1.8980	180.3	3.6009
Se 196.026	-3.9208	ppb	2.8430	72.5	9.5664
Sn 189.925	-0.9552	ppb	0.7108	74.4	-11.4505
Sr 216.596	210.134	ppb	0.4085	0.2	2619.89
Ti 334.941	-0.2722	ppb	0.0282	10.4	-24.5484
Tl 190.794	-1.5898	ppb	1.5771	99.2	-15.3177
V 292.401	6.6247	ppb	0.1636	2.5	177.153
Zn 206.200	36.0513	ppb	0.5897	1.6	57.0628

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89860-a-2-a (Samp)**                      **5/8/2013, 7:26:43 PM**                      **Rack 1, Tube 41**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1625	-0.0040u	-0.1403u
Al 308.215	7.2466	4.9860	1.0627
As 188.980	-0.5831u	5.8506	-1.0250u
B 249.678	-6.8522u	-6.7221u	-6.6014u
Ba 389.178	23.1528	22.6802	23.1664
Be 313.042	-0.0182u	-0.0194u	-0.0114u
Ca 370.602	21305	21198	21230
Cd 226.502	-0.1744u	-0.2837u	-0.0414u
Co 228.615	0.1377	0.3325	-0.3526u
Cr 267.716	0.0832	0.2501	0.1088
Cu 324.754	2.0948	2.0795	1.1787
Fe 271.441	4.7196	-5.9228u	-2.1975u
K 766.491	3523.96	3531.89	3522.00
Mg 279.078	7667.83	7635.16	7644.86
Mn 257.610	-0.1908	-0.2703	-0.1837
Mo 202.032	0.1289	-0.3012u	-0.1799u
Na 330.237	14698.3	14680.6	14864.6
Ni 231.604	0.5768	-0.0059u	0.7600
Pb 220.353	0.0502	2.1002	-0.3006u
Sb 206.834	6.4108	3.2866	3.0329
Se 196.026	2.1077	-1.8267u	3.6306
Sn 189.925	1.6084	-1.5767u	-0.5645u
Sr 216.596	126.426	126.171	126.005
Ti 334.941	-0.1111	-0.1110	-0.0608
Tl 190.794	-3.7353u	-3.0838u	-3.0960u
V 292.401	10.6292	10.5712	10.7409
Zn 206.200	4.0624	3.8582	2.5050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0060	ppb	0.1517	2508.3	-42.4652
Al 308.215	4.4318	ppb	3.1290	70.6	53.3822
As 188.980	1.4142	ppb	3.8484	272.1	-4.2188
B 249.678	-6.7252	ppb	0.1254	1.9	276.270
Ba 389.178	22.9998	ppb	0.2769	1.2	525.553
Be 313.042	-0.0164	ppb	0.0043	26.4	-402.062
Ca 370.602	21244	ppb	54.75	0.3	65553
Cd 226.502	-0.1665	ppb	0.1213	72.9	29.8099
Co 228.615	0.0392	ppb	0.3530	900.9	9.0114
Cr 267.716	0.1474	ppb	0.0899	61.0	13.4897
Cu 324.754	1.7844	ppb	0.5245	29.4	346.508
Fe 271.441	-1.1336	ppb	5.4004	476.4	109.720
K 766.491	3525.95	ppb	5.2343	0.1	133630
Mg 279.078	7649.28	ppb	16.7776	0.2	17240.7
Mn 257.610	-0.2149	ppb	0.0481	22.4	151.332
Mo 202.032	-0.1174	ppb	0.2217	188.9	18.5824
Na 330.237	14747.9	ppb	101.499	0.7	815.215
Ni 231.604	0.4436	ppb	0.3999	90.2	-4.5135
Pb 220.353	0.6166	ppb	1.2968	210.3	32.4630
Sb 206.834	4.2435	ppb	1.8813	44.3	7.3805
Se 196.026	1.3039	ppb	2.8160	216.0	12.3543
Sn 189.925	-0.1776	ppb	1.6274	916.5	-10.7067
Sr 216.596	126.201	ppb	0.2120	0.2	1579.71
Ti 334.941	-0.0943	ppb	0.0290	30.8	-24.4829
Tl 190.794	-3.3050	ppb	0.3727	11.3	-17.1305
V 292.401	10.6471	ppb	0.0863	0.8	290.658
Zn 206.200	3.4752	ppb	0.8464	24.4	5.7894

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89860-a-3-a (Samp) 5/8/2013, 7:32:09 PM Rack 1, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2868u	-0.0973u	-0.2731u
Al 308.215	13.8943	12.2263	12.5403
As 188.980	-0.0133	-1.7853u	-14.5424u
B 249.678	-11.8173u	-11.9821u	-12.4629u
Ba 389.178	65.0853	64.6812	64.7505
Be 313.042	-0.0123u	-0.0068u	-0.0149u
Ca 370.602	12342	12376	12307
Cd 226.502	-0.2088u	-0.1076u	-0.2103u
Co 228.615	0.1202	0.5065	0.1422
Cr 267.716	0.1856	0.0779	0.1541
Cu 324.754	2.4783	2.4921	2.3617
Fe 271.441	14.5358	10.0046	14.8183
K 766.491	2202.06	2205.75	2197.82
Mg 279.078	4453.10	4453.89	4439.83
Mn 257.610	3.1850	3.2683	3.2708
Mo 202.032	-0.5338u	-0.3747u	-0.0896u
Na 330.237	10914.3	11046.9	10950.9
Ni 231.604	1.0555	0.8489	0.2405
Pb 220.353	2.5239	0.1541	1.9224
Sb 206.834	4.8705	2.1680	0.1384
Se 196.026	-5.0947u	-2.1020u	-4.0337u
Sn 189.925	-2.7197u	-3.3638u	-3.3684u
Sr 216.596	123.969	124.213	123.907
Ti 334.941	0.1107	0.1233	0.1589
Tl 190.794	-0.4057u	-4.8161u	-0.0846u
V 292.401	6.5226	6.6808	6.9340
Zn 206.200	28.6565	29.3231	27.9740

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2191	ppb	0.1057	48.2	-59.5935
Al 308.215	12.8870	ppb	0.8864	6.9	87.2549
As 188.980	-5.4470	ppb	7.9265	145.5	-7.4500
B 249.678	-12.0874	ppb	0.3354	2.8	206.152
Ba 389.178	64.8390	ppb	0.2161	0.3	1452.91
Be 313.042	-0.0113	ppb	0.0042	36.7	-395.075
Ca 370.602	12342	ppb	34.59	0.3	38088
Cd 226.502	-0.1756	ppb	0.0588	33.5	29.4777
Co 228.615	0.2563	ppb	0.2170	84.7	11.8675
Cr 267.716	0.1392	ppb	0.0554	39.8	13.0626
Cu 324.754	2.4440	ppb	0.0716	2.9	376.447
Fe 271.441	13.1196	ppb	2.7014	20.6	135.439
K 766.491	2201.88	ppb	3.9681	0.2	83560.9
Mg 279.078	4448.94	ppb	7.8994	0.2	10042.6
Mn 257.610	3.2414	ppb	0.0488	1.5	350.394
Mo 202.032	-0.3327	ppb	0.2251	67.6	16.9193
Na 330.237	10970.7	ppb	68.4536	0.6	621.027
Ni 231.604	0.7150	ppb	0.4237	59.3	-3.7064
Pb 220.353	1.5335	ppb	1.2318	80.3	34.2957
Sb 206.834	2.3923	ppb	2.3740	99.2	5.1915
Se 196.026	-3.7434	ppb	1.5173	40.5	9.6621
Sn 189.925	-3.1506	ppb	0.3732	11.8	-13.5959
Sr 216.596	124.030	ppb	0.1620	0.1	1551.82
Ti 334.941	0.1310	ppb	0.0250	19.1	27.4316
Tl 190.794	-1.7688	ppb	2.6439	149.5	-15.5127
V 292.401	6.7125	ppb	0.2075	3.1	179.552
Zn 206.200	28.6512	ppb	0.6746	2.4	454168

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89860-a-4-a (Samp)                      5/8/2013, 7:37:34 PM                      Rack 1, Tube 43  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2644	0.0810u	0.0250u
Al 308.215	15.0917	16.5262	18.1099
As 188.980	34.8371	33.0287	33.9680
B 249.678	19.9967	20.1826	20.7586
Ba 389.178	556.069	556.464	559.071
Be 313.042	-0.0017u	-0.0101u	-0.0139u
Ca 370.602	21095	21156	21206
Cd 226.502	-0.2119u	-0.2027u	-0.0712u
Co 228.615	0.4403	0.5636	0.3180
Cr 267.716	-0.0032	-0.0643	0.0296
Cu 324.754	0.2151	-0.0479u	0.7021
Fe 271.441	454.001	458.245	466.490
K 766.491	7862.32	7822.19	7860.16
Mg 279.078	15162.2	15156.4	15196.4
Mn 257.610	869.509	868.858	875.629
Mo 202.032	7.7195	7.0355	7.5276
Na 330.237	26199.4	25908.2	26265.5
Ni 231.604	1.9046	1.7591	0.8785
Pb 220.353	0.8419	-1.0964u	-0.1839u
Sb 206.834	2.4259	5.2443	3.7724
Se 196.026	0.6302	6.4969	-1.3300u
Sn 189.925	1.8889	-2.6062u	-0.2520u
Sr 216.596	293.248	293.827	295.623
Ti 334.941	0.1180	0.1386	0.2109
Tl 190.794	-1.7441u	0.7389u	-1.6482u
V 292.401	0.2382	0.2675	-0.0428u
Zn 206.200	1.5884	-0.8685u	0.5341

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1235	ppb	0.1252	101.4	-37.3088
Al 308.215	16.5759	ppb	1.5097	9.1	102.829
As 188.980	33.9446	ppb	0.9044	2.7	10.7632
B 249.678	20.3127	ppb	0.3972	2.0	629.130
Ba 389.178	557.201	ppb	1.6311	0.3	12489.1
Be 313.042	-0.0086	ppb	0.0062	72.4	-390.775
Ca 370.602	21152	ppb	55.51	0.3	65256
Cd 226.502	-0.1619	ppb	0.0787	48.6	31.5551
Co 228.615	0.4406	ppb	0.1228	27.9	13.9693
Cr 267.716	-0.0126	ppb	0.0476	377.5	9.7427
Cu 324.754	0.2898	ppb	0.3805	131.3	279.142
Fe 271.441	459.579	ppb	6.3503	1.4	940.830
K 766.491	7848.23	ppb	22.5719	0.3	297076
Mg 279.078	15171.7	ppb	21.5940	0.1	34144.8
Mn 257.610	871.332	ppb	3.7351	0.4	52581.7
Mo 202.032	7.4275	ppb	0.3528	4.7	77.0993
Na 330.237	26124.4	ppb	190.096	0.7	1399.30
Ni 231.604	1.5141	ppb	0.5552	36.7	-1.3199
Pb 220.353	-0.1461	ppb	0.9697	663.6	31.1534
Sb 206.834	3.8142	ppb	1.4096	37.0	6.7643
Se 196.026	1.9324	ppb	4.0727	210.8	12.9241
Sn 189.925	-0.3231	ppb	2.2484	695.8	-10.8434
Sr 216.596	294.233	ppb	1.2385	0.4	3657.57
Ti 334.941	0.1558	ppb	0.0487	31.3	85.2797
Tl 190.794	-0.8844	ppb	1.4067	159.1	-15.9498
V 292.401	0.1543	ppb	0.1713	111.0	-7.3146
Zn 206.200	0.4180	ppb	1.2325	294.8	1.0276

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89929-b-1-a (Samp) 5/8/2013, 7:42:59 PM Rack 1, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1294	0.2777	0.2496
Al 308.215	305.686	309.441	306.895
As 188.980	2.1849	3.5531	-0.4060u
B 249.678	-17.0145u	-17.6404u	-17.3050u
Ba 389.178	0.9127	0.1331	1.2015
Be 313.042	0.4626	0.4689	0.4669
Ca 370.602	15937	15876	15802
Cd 226.502	-0.1738u	-0.0219	0.0073
Co 228.615	-0.4915u	-0.4577u	-0.3336u
Cr 267.716	0.3094	0.4514	0.4091
Cu 324.754	1.9611	1.8012	2.0711
Fe 271.441	501.670	500.381	497.977
K 766.491	617.681	616.327	618.063
Mg 279.078	2027.15	2021.12	2016.36
Mn 257.610	46.1640	45.1292	45.2213
Mo 202.032	-0.5976u	0.1011	-0.1841u
Na 330.237	11511.7	11593.8	11637.9
Ni 231.604	-0.7084u	0.3467	1.0586
Pb 220.353	1.6899	0.9485	1.9605
Sb 206.834	2.0745	-1.2798u	1.6897
Se 196.026	-4.2760u	-1.1353u	-2.8752u
Sn 189.925	-1.2389u	-1.5366u	-2.6361u
Sr 216.596	145.865	144.211	144.787
Ti 334.941	4.8540	4.8324	4.8437
Tl 190.794	-5.1513u	-1.9183u	1.3432
V 292.401	2.1109	1.4991	2.0927
Zn 206.200	2.4044	2.9300	1.6991

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2189	ppb	0.0788	36.0	-26.6984
Al 308.215	307.341	ppb	1.9166	0.6	1266.65
As 188.980	1.7773	ppb	2.0108	113.1	-4.0978
B 249.678	-17.3199	ppb	0.3132	1.8	137.110
Ba 389.178	0.7491	ppb	0.5526	73.8	14.4674
Be 313.042	0.4661	ppb	0.0032	0.7	482.129
Ca 370.602	15871	ppb	67.52	0.4	48940
Cd 226.502	-0.0628	ppb	0.0972	154.8	35.5144
Co 228.615	-0.4276	ppb	0.0831	19.4	3.0520
Cr 267.716	0.3899	ppb	0.0729	18.7	26.2575
Cu 324.754	1.9444	ppb	0.1357	7.0	353.975
Fe 271.441	500.010	ppb	1.8743	0.4	1013.64
K 766.491	617.357	ppb	0.9120	0.1	23642.7
Mg 279.078	2021.55	ppb	5.4058	0.3	4582.30
Mn 257.610	45.5048	ppb	0.5727	1.3	2885.57
Mo 202.032	-0.2269	ppb	0.3513	154.9	17.7240
Na 330.237	11581.1	ppb	64.0636	0.6	652.297
Ni 231.604	0.2323	ppb	0.8891	382.7	-5.1299
Pb 220.353	1.5330	ppb	0.5239	34.2	34.3089
Sb 206.834	0.8281	ppb	1.8357	221.7	3.3544
Se 196.026	-2.7622	ppb	1.5734	57.0	10.1999
Sn 189.925	-1.8039	ppb	0.7360	40.8	-12.2878
Sr 216.596	144.955	ppb	0.8396	0.6	1811.23
Ti 334.941	4.8433	ppb	0.0108	0.2	1418.17
Tl 190.794	-1.9088	ppb	3.2473	170.1	-15.7551
V 292.401	1.9009	ppb	0.3481	18.3	43.5709
Zn 206.200	2.3445	ppb	0.6176	26.3	4.0637

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

660-53889-t-1-b (Samp)                      5/8/2013, 7:48:24 PM                      Rack 1, Tube 45  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0191u	-0.2127u	-0.0497u
Al 308.215	15.2250	16.1202	16.5761
As 188.980	4.2144	-7.4495u	-6.3010u
B 249.678	181.118	181.111	182.539
Ba 389.178	8.1106	7.5616	7.3580
Be 313.042	-0.0309u	-0.0156u	-0.0114u
Ca 370.602	41639	41506	41553
Cd 226.502	-0.1794u	-0.2854u	-0.0369u
Co 228.615	-0.5069u	-0.5497u	0.1635
Cr 267.716	0.2635	0.4752	0.3960
Cu 324.754	2.1215	2.3131	1.8005
Fe 271.441	47.0488	43.5322	48.0815
K 766.491	15729.2	15582.4	15649.8
Mg 279.078	9362.99	9343.56	9350.71
Mn 257.610	9.8293	9.6363	9.9508
Mo 202.032	50.3072	50.4931	50.7336
Na 330.237	82403.6	82026.0	82111.3
Ni 231.604	2.6038	2.2496	1.4977
Pb 220.353	-0.0800u	-1.4796u	0.9933
Sb 206.834	2.6524	-1.1277u	5.5612
Se 196.026	3.5521	0.3824	-4.8927u
Sn 189.925	-1.5748u	3.4427	-0.2396u
Sr 216.596	90.7082	89.8193	89.8767
Ti 334.941	-0.0810	-0.0327	-0.0084
Tl 190.794	-4.5579u	-3.4308u	-7.4908u
V 292.401	1.5226	1.7185	1.7816
Zn 206.200	36.7793	37.3711	35.7279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0811	ppb	0.1190	146.8	-47.5450
Al 308.215	15.9738	ppb	0.6873	4.3	104.379
As 188.980	-3.1787	ppb	6.4283	202.2	-6.1876
B 249.678	181.589	ppb	0.8226	0.5	2737.94
Ba 389.178	7.6767	ppb	0.3893	5.1	187.562
Be 313.042	-0.0193	ppb	0.0103	53.1	-415.859
Ca 370.602	41566	ppb	67.68	0.2	128241
Cd 226.502	-0.1672	ppb	0.1247	74.6	29.5791
Co 228.615	-0.2977	ppb	0.4000	134.4	2.7162
Cr 267.716	0.3783	ppb	0.1070	28.3	26.6635
Cu 324.754	2.0784	ppb	0.2590	12.5	361.194
Fe 271.441	46.2208	ppb	2.3850	5.2	195.069
K 766.491	15653.8	ppb	73.5083	0.5	592243
Mg 279.078	9352.42	ppb	9.8295	0.1	21071.1
Mn 257.610	9.8055	ppb	0.1586	1.6	758.576
Mo 202.032	50.5113	ppb	0.2138	0.4	411.286
Na 330.237	82180.3	ppb	198.057	0.2	4278.25
Ni 231.604	2.1170	ppb	0.5649	26.7	0.4632
Pb 220.353	-0.1888	ppb	1.2400	656.8	30.7771
Sb 206.834	2.3620	ppb	3.3539	142.0	4.3395
Se 196.026	-0.3194	ppb	4.2659	1335.6	11.4911
Sn 189.925	0.5428	ppb	2.5986	478.8	-9.9713
Sr 216.596	90.1347	ppb	0.4974	0.6	1133.96
Ti 334.941	-0.0407	ppb	0.0370	90.8	-5.6948
Tl 190.794	-5.1598	ppb	2.0959	40.6	-19.1397
V 292.401	1.6742	ppb	0.1350	8.1	26.4127
Zn 206.200	36.6261	ppb	0.8323	2.3	57.9717



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660-53889-t-1-c ms (Samp)      5/8/2013, 7:53:50 PM      Rack 1, Tube 46  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	22.0854	21.6449	22.0064
Al 308.215	2156.31	2167.67	2167.29
As 188.980	49.0174	44.9699	40.8043
B 249.678	270.997	273.206	273.095
Ba 389.178	53.1289	51.9987	52.3180
Be 313.042	22.6696	22.7035	22.7364
Ca 370.602	44101	44165	44215
Cd 226.502	22.6827	22.7045	22.6166
Co 228.615	22.0982	22.2940	22.7244
Cr 267.716	45.0867	45.0007	45.0425
Cu 324.754	47.7222	47.9379	47.5433
Fe 271.441	2171.74	2167.16	2178.11
K 766.491	17750.5	17879.3	17875.6
Mg 279.078	11646.7	11667.3	11660.0
Mn 257.610	242.137	240.788	239.295
Mo 202.032	93.6616	94.3238	94.8499
Na 330.237	85710.9	86002.9	85463.5
Ni 231.604	47.7773	48.4726	45.8013
Pb 220.353	21.4608	24.1744	25.7405
Sb 206.834	30.1987	25.6561	24.2358
Se 196.026	41.4002	36.9785	43.0653
Sn 189.925	82.6534	81.1951	84.6899
Sr 216.596	135.276	135.206	134.881
Ti 334.941	41.9153	42.0570	41.9100
Tl 190.794	18.8987	15.6400	20.3206
V 292.401	44.9686	45.4469	44.8494
Zn 206.200	79.6544	82.8724	85.2629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.9122	ppb	0.2348	1.1	1642.60
Al 308.215	2163.76	ppb	6.4511	0.3	8709.98
As 188.980	44.9305	ppb	4.1067	9.1	15.9736
B 249.678	272.433	ppb	1.2447	0.5	3922.71
Ba 389.178	52.4819	ppb	0.5826	1.1	1198.33
Be 313.042	22.7032	ppb	0.0334	0.1	41257.4
Ca 370.602	44160	ppb	57.11	0.1	136092
Cd 226.502	22.6680	ppb	0.0458	0.2	935.496
Co 228.615	22.3722	ppb	0.3203	1.4	298.152
Cr 267.716	45.0433	ppb	0.0430	0.1	2308.90
Cu 324.754	47.7345	ppb	0.1976	0.4	2432.62
Fe 271.441	2172.34	ppb	5.5024	0.3	4034.72
K 766.491	17835.1	ppb	73.3215	0.4	674728
Mg 279.078	11658.0	ppb	10.4408	0.1	26252.4
Mn 257.610	240.740	ppb	1.4219	0.6	14653.3
Mo 202.032	94.2784	ppb	0.5955	0.6	750.552
Na 330.237	85725.7	ppb	270.027	0.3	4458.61
Ni 231.604	47.3504	ppb	1.3859	2.9	135.007
Pb 220.353	23.7919	ppb	2.1653	9.1	78.6686
Sb 206.834	26.6969	ppb	3.1147	11.7	33.3012
Se 196.026	40.4814	ppb	3.1457	7.8	33.3368
Sn 189.925	82.8461	ppb	1.7554	2.1	69.8498
Sr 216.596	135.121	ppb	0.2107	0.2	1688.88
Ti 334.941	41.9608	ppb	0.0834	0.2	12505.1
Tl 190.794	18.2864	ppb	2.3996	13.1	5.2124
V 292.401	45.0883	ppb	0.3162	0.7	1242.22
Zn 206.200	82.5966	ppb	2.8144	3.4	130.420

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660-53889-t-1-d msd (Samp)      5/8/2013, 7:59:16 PM      Rack 1, Tube 47  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	22.5742	22.4152	22.4010
Al 308.215	2174.03	2184.48	2193.31
As 188.980	44.4584	44.3134	46.7751
B 249.678	276.627	279.248	279.001
Ba 389.178	52.3392	52.8041	53.0620
Be 313.042	22.9058	22.8840	22.8999
Ca 370.602	44589	44616	44683
Cd 226.502	23.0862	22.9613	22.8465
Co 228.615	22.8108	22.6681	22.4199
Cr 267.716	45.3268	45.4838	45.3439
Cu 324.754	48.9272	48.6466	48.2612
Fe 271.441	2190.76	2182.17	2180.33
K 766.491	18093.3	18035.5	18026.6
Mg 279.078	11765.5	11784.8	11790.3
Mn 257.610	247.219	245.020	243.145
Mo 202.032	94.2135	95.5981	95.5017
Na 330.237	87001.0	86888.3	86593.8
Ni 231.604	48.3762	47.7017	49.0236
Pb 220.353	23.3170	22.5864	21.6554
Sb 206.834	26.1088	25.4261	26.0197
Se 196.026	47.9633	46.5395	35.8535
Sn 189.925	84.0574	86.4192	85.0153
Sr 216.596	136.690	136.270	136.644
Ti 334.941	42.4810	42.2949	42.3743
Tl 190.794	16.4912	16.6538	15.4948
V 292.401	45.8262	45.2482	44.9125
Zn 206.200	82.4534	84.7404	81.5450

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.4635	ppb	0.0961	0.4	1684.91
Al 308.215	2183.94	ppb	9.6514	0.4	8790.88
As 188.980	45.1823	ppb	1.3813	3.1	16.0931
B 249.678	278.292	ppb	1.4471	0.5	3999.29
Ba 389.178	52.7351	ppb	0.3663	0.7	1204.33
Be 313.042	22.8966	ppb	0.0113	0.0	41612.0
Ca 370.602	44629	ppb	48.30	0.1	137537
Cd 226.502	22.9647	ppb	0.1199	0.5	947.220
Co 228.615	22.6329	ppb	0.1978	0.9	301.531
Cr 267.716	45.3848	ppb	0.0861	0.2	2326.37
Cu 324.754	48.6116	ppb	0.3344	0.7	2472.42
Fe 271.441	2184.42	ppb	5.5646	0.3	4056.57
K 766.491	18051.8	ppb	36.1792	0.2	682922
Mg 279.078	11780.2	ppb	13.0455	0.1	26527.3
Mn 257.610	245.128	ppb	2.0392	0.8	14917.6
Mo 202.032	95.1044	ppb	0.7731	0.8	756.957
Na 330.237	86827.7	ppb	210.264	0.2	4515.19
Ni 231.604	48.3672	ppb	0.6610	1.4	138.031
Pb 220.353	22.5196	ppb	0.8328	3.7	76.1270
Sb 206.834	25.8515	ppb	0.3712	1.4	32.2910
Se 196.026	43.4521	ppb	6.6190	15.2	34.9227
Sn 189.925	85.1640	ppb	1.1879	1.4	72.0983
Sr 216.596	136.535	ppb	0.2302	0.2	1706.39
Ti 334.941	42.3834	ppb	0.0934	0.2	12631.4
Tl 190.794	16.2133	ppb	0.6275	3.9	3.0140
V 292.401	45.3290	ppb	0.4622	1.0	1248.81
Zn 206.200	82.9129	ppb	1.6465	2.0	130.919

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**560-39643-b-1-b (Samp)**                      **5/8/2013, 8:04:42 PM**                      **Rack 1, Tube 48****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4310u	0.3651	0.2427
Al 308.215	5.1206	4.6490	8.7723
As 188.980	-4.9510u	-3.6542u	0.4794
B 249.678	16.2150	16.2758	16.1405
Ba 389.178	56.0522	55.9927	55.2964
Be 313.042	-0.0089u	-0.0080u	-0.0068u
Ca 370.602	9563	9557	9580
Cd 226.502	-0.1047u	-0.2047u	0.1355
Co 228.615	0.0411	0.0605	0.4105
Cr 267.716	0.2149	0.0386	0.0214
Cu 324.754	20.7315	20.2994	20.6128
Fe 271.441	7.9683	5.2694	19.4834
K 766.491	2787.41	2779.98	2760.09
Mg 279.078	2925.84	2928.39	2933.70
Mn 257.610	1.4891	1.5235	1.7779
Mo 202.032	-1.1983u	-0.7653u	-0.0920u
Na 330.237	18962.5	18956.2	18795.3
Ni 231.604	2.1660	3.6862	0.7136
Pb 220.353	2.4489	-0.9409u	4.8819
Sb 206.834	3.2631	-2.1344u	8.9200
Se 196.026	-2.4467u	-7.5810u	-1.1477u
Sn 189.925	5.0596	1.0979	-0.9418u
Sr 216.596	83.6708	83.7778	83.7386
Ti 334.941	-0.1295u	-0.0587u	-0.0293
Tl 190.794	-1.1733u	-4.0774u	-3.1184u
V 292.401	0.2294	0.3015	0.0822
Zn 206.200	9.8515	8.9912	7.3113

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0590	ppb	0.4287	727.1	-36.3854
Al 308.215	6.1806	ppb	2.2568	36.5	60.4531
As 188.980	-2.7086	ppb	2.8360	104.7	-6.2097
B 249.678	16.2104	ppb	0.0678	0.4	576.074
Ba 389.178	55.7804	ppb	0.4203	0.8	1246.50
Be 313.042	-0.0079	ppb	0.0011	13.5	-390.328
Ca 370.602	9567	ppb	12.02	0.1	29527
Cd 226.502	-0.0580	ppb	0.1748	301.6	34.0324
Co 228.615	0.1707	ppb	0.2079	121.8	10.7501
Cr 267.716	0.0916	ppb	0.1071	116.9	10.8361
Cu 324.754	20.5479	ppb	0.2232	1.1	1197.37
Fe 271.441	10.9071	ppb	7.5489	69.2	131.383
K 766.491	2775.83	ppb	14.1283	0.5	105265
Mg 279.078	2929.31	ppb	4.0077	0.1	6624.74
Mn 257.610	1.5968	ppb	0.1577	9.9	247.316
Mo 202.032	-0.6852	ppb	0.5575	81.4	14.1988
Na 330.237	18904.7	ppb	94.7888	0.5	1028.66
Ni 231.604	2.1886	ppb	1.4865	67.9	0.6751
Pb 220.353	2.1299	ppb	2.9245	137.3	35.4870
Sb 206.834	3.3496	ppb	5.5277	165.0	6.3315
Se 196.026	-3.7251	ppb	3.4019	91.3	9.6713
Sn 189.925	1.7386	ppb	3.0516	175.5	-8.8525
Sr 216.596	83.7291	ppb	0.0542	0.1	1053.09
Ti 334.941	-0.0725	ppb	0.0515	71.1	-41.0875
Tl 190.794	-2.7897	ppb	1.4797	53.0	-16.5934
V 292.401	0.2044	ppb	0.1117	54.7	-4.3863
Zn 206.200	8.7180	ppb	1.2919	14.8	14.0428

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Cont Calib Verif (CCV)                      5/8/2013, 8:10:07 PM                      Rack 1, Tube 49  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	504.703	495.887	495.874
Al 308.215	4928.74	4874.70	4894.59
As 188.980	495.794	497.906	494.557
B 249.678	491.568	495.237	499.290
Ba 389.178	5117.67	5114.13	5131.58
Be 313.042	515.126	514.903	514.929
Ca 370.602	5011	5015	5034
Cd 226.502	517.454	517.561	520.927
Co 228.615	521.498	522.536	525.285
Cr 267.716	5157.65	5160.47	5180.59
Cu 324.754	5153.49	5146.62	5130.39
Fe 271.441	4943.36	4959.66	4971.23
K 766.491	10180.1	10163.5	10121.7
Mg 279.078	4964.95	4951.63	4987.32
Mn 257.610	5297.20	5352.53	5366.04
Mo 202.032	500.391	500.215	504.828
Na 330.237	7126.78	7119.69	7221.38
Ni 231.604	2590.73	2588.82	2610.27
Pb 220.353	489.847	493.060	494.328
Sb 206.834	980.545	987.002	990.445
Se 196.026	4875.11	4916.98	4935.91
Sn 189.925	5014.68	5041.86	5046.23
Sr 216.596	2519.51	2537.35	2548.18
Ti 334.941	495.876	496.634	497.672
Tl 190.794	5038.33	5059.09	5057.04
V 292.401	4968.75	4980.23	4985.19
Zn 206.200	2585.28	2582.38	2595.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.821	ppb	5.0938	1.0	38251.9	99.76421
Al 308.215	4899.34	ppb	27.3329	0.6	19642.8	97.98689
As 188.980	496.086	ppb	1.6937	0.3	223.433	99.21712
B 249.678	495.365	ppb	3.8626	0.8	6833.20	19.81459Q
Ba 389.178	5121.13	ppb	9.2229	0.2	114524	102.42253
Be 313.042	514.986	ppb	0.1220	0.0	944034	102.99715
Ca 370.602	5020	ppb	12.64	0.3	15384	100.40227
Cd 226.502	518.647	ppb	1.9750	0.4	20467.5	103.72949
Co 228.615	523.106	ppb	1.9566	0.4	6845.31	104.62122
Cr 267.716	5166.24	ppb	12.5091	0.2	263828	103.32478
Cu 324.754	5143.50	ppb	11.8634	0.2	233453	102.86996
Fe 271.441	4958.08	ppb	14.0047	0.3	9190.80	99.16169
K 766.491	10155.1	ppb	30.0788	0.3	384310	101.55100
Mg 279.078	4967.97	ppb	18.0359	0.4	11119.5	99.35931
Mn 257.610	5338.59	ppb	36.4780	0.7	321191	106.77180
Mo 202.032	501.811	ppb	2.6143	0.5	3901.36	100.36224
Na 330.237	7155.95	ppb	56.7751	0.8	399.737	95.41267
Ni 231.604	2596.60	ppb	11.8685	0.5	7714.83	103.86420
Pb 220.353	492.412	ppb	2.3095	0.5	1014.77	98.48232
Sb 206.834	985.997	ppb	5.0259	0.5	1229.80	98.59972
Se 196.026	4909.34	ppb	31.1128	0.6	2632.66	98.18674
Sn 189.925	5034.26	ppb	17.0943	0.3	4871.72	100.68513
Sr 216.596	2535.01	ppb	14.4762	0.6	31297.5	101.40053
Ti 334.941	496.728	ppb	0.9014	0.2	147819	99.34550
Tl 190.794	5051.49	ppb	11.4411	0.2	5325.79	101.02975
V 292.401	4978.06	ppb	8.4345	0.2	140241	99.56113
Zn 206.200	2587.88	ppb	7.1655	0.3	4058.13	103.51523

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Cont Calib Blank (CCB)                      5/8/2013, 8:15:42 PM                      Rack 1, Tube 50  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2744	-0.0572u	0.2303
Al 308.215	3.6630	1.9752	1.5461
As 188.980	-4.2652u	-0.0486u	7.2338
B 249.678	-8.8172u	-9.1753u	-8.4711u
Ba 389.178	1.0085	0.2871	0.3762
Be 313.042	-0.0090u	-0.0002u	0.0025
Ca 370.602	-2.159u	-0.9757u	-4.822u
Cd 226.502	0.0033	0.1027	0.1234
Co 228.615	-0.4348u	-0.6077u	0.3953
Cr 267.716	0.0815	0.3297	-0.0714u
Cu 324.754	-0.0034u	-1.1511u	0.0688
Fe 271.441	-8.8620u	-4.6597u	-11.3203u
K 766.491	-0.5131u	-0.0943u	0.6568
Mg 279.078	3.8628	0.5951	-3.0042u
Mn 257.610	-0.2287u	-0.1167u	0.0247
Mo 202.032	0.3849	-0.0806u	-0.4132u
Na 330.237	173.445	63.3128	129.361
Ni 231.604	1.4268	-0.0427u	-1.6156u
Pb 220.353	-0.5429u	-0.1052u	0.9214
Sb 206.834	0.4029	8.4521	6.9204
Se 196.026	0.4126	-1.5736u	-2.2652u
Sn 189.925	1.3961	0.5867	0.3344
Sr 216.596	0.1443	-0.0354u	-0.2228u
Ti 334.941	-0.0099u	0.0130	0.0825
Tl 190.794	0.0910	0.4046	-0.3687u
V 292.401	0.4589	0.0303	0.0849
Zn 206.200	0.0601	-0.1177u	1.1117

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1492	ppb	0.1801	120.7	-25.4891	0.14916
Al 308.215	2.3948	ppb	1.1191	46.7	45.3285	2.39477
As 188.980	0.9734	ppb	5.8172	597.6	-4.5878	0.97337
B 249.678	-8.8212	ppb	0.3521	4.0	248.871	-8.82120
Ba 389.178	0.5573	ppb	0.3933	70.6	4.3628	0.55728
Be 313.042	-0.0023	ppb	0.0060	265.8	-381.005	-0.00226
Ca 370.602	-2.652	ppb	1.970	74.3	6.996	-2.65204
Cd 226.502	0.0765	ppb	0.0642	84.0	39.3314	0.07647
Co 228.615	-0.2157	ppb	0.5362	248.6	5.6918	-0.21573
Cr 267.716	0.1132	ppb	0.2024	178.8	11.5839	0.11324
Cu 324.754	-0.3619	ppb	0.6844	189.1	249.278	-0.36190
Fe 271.441	-8.2807	ppb	3.3682	40.7	96.7073	-8.28067
K 766.491	0.0165	ppb	0.5928	3598.4	298.124	0.01647
Mg 279.078	0.4846	ppb	3.4348	708.8	37.4090	0.48459
Mn 257.610	-0.1069	ppb	0.1270	118.8	136.830	-0.10690
Mo 202.032	-0.0363	ppb	0.4009	1104.8	19.2330	-0.03629
Na 330.237	122.039	ppb	55.4297	45.4	64.0673	122.03942
Ni 231.604	-0.0772	ppb	1.5215	1971.4	-6.0622	-0.07718
Pb 220.353	0.0911	ppb	0.7516	825.0	31.4140	0.09111
Sb 206.834	5.2585	ppb	4.2742	81.3	8.5884	5.25848
Se 196.026	-1.1421	ppb	1.3901	121.7	11.0490	-1.14208
Sn 189.925	0.7724	ppb	0.5547	71.8	-9.8017	0.77242
Sr 216.596	-0.0380	ppb	0.1835	483.2	16.0592	-0.03798
Ti 334.941	0.0285	ppb	0.0481	168.5	-23.6175	0.02854
Tl 190.794	0.0423	ppb	0.3889	920.2	-13.5935	0.04227
V 292.401	0.1913	ppb	0.2333	121.9	-4.7269	0.19134
Zn 206.200	0.3514	ppb	0.6645	189.1	0.8721	0.35137

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**560-39643-b-2-b (Samp)**      **5/8/2013, 8:21:07 PM**      **Rack 1, Tube 51****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4120	0.2267	0.0263u
Al 308.215	26.7593	24.4176	28.3277
As 188.980	-6.3830u	1.8507	-5.8667u
B 249.678	13.6095	13.1827	13.5252
Ba 389.178	54.8308	55.0750	54.2977
Be 313.042	0.0079	0.0160	0.0158
Ca 370.602	10395	10366	10327
Cd 226.502	-0.1945u	0.0260	-0.2410u
Co 228.615	0.1190	-0.5261u	-0.5249u
Cr 267.716	0.2805	0.2612	0.4732
Cu 324.754	1.9872	2.0761	2.3885
Fe 271.441	634.500	631.362	636.933
K 766.491	2843.07	2835.11	2842.10
Mg 279.078	2800.26	2786.21	2787.91
Mn 257.610	88.1932	88.2968	88.5616
Mo 202.032	-0.5527u	0.0261	-0.6786u
Na 330.237	20232.4	20119.3	20374.9
Ni 231.604	1.0619	0.2453	0.2034
Pb 220.353	1.0263	-1.9128u	0.5672
Sb 206.834	-0.8877u	2.8790	1.5776
Se 196.026	-0.5256u	2.8590	4.5814
Sn 189.925	-1.1132u	-0.1402u	2.9134
Sr 216.596	83.8315	84.2380	83.6763
Ti 334.941	-0.0117	-0.0586u	-0.0552u
Tl 190.794	-0.4880u	-1.6299u	0.1429u
V 292.401	-0.0831u	-0.1176u	0.2109
Zn 206.200	-1.1787u	-0.8993u	-0.2788u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2217	ppb	0.1929	87.0	-23.4592
Al 308.215	26.5015	ppb	1.9678	7.4	141.855
As 188.980	-3.4663	ppb	4.6119	133.0	-6.5574
B 249.678	13.4391	ppb	0.2260	1.7	539.034
Ba 389.178	54.7345	ppb	0.3975	0.7	1223.62
Be 313.042	0.0133	ppb	0.0046	34.8	-351.429
Ca 370.602	10363	ppb	34.26	0.3	31935
Cd 226.502	-0.1365	ppb	0.1426	104.5	33.0191
Co 228.615	-0.3107	ppb	0.3721	119.8	4.4414
Cr 267.716	0.3383	ppb	0.1172	34.7	24.0163
Cu 324.754	2.1506	ppb	0.2107	9.8	363.367
Fe 271.441	634.265	ppb	2.7925	0.4	1255.83
K 766.491	2840.09	ppb	4.3411	0.2	107695
Mg 279.078	2791.46	ppb	7.6666	0.3	6313.32
Mn 257.610	88.3506	ppb	0.1900	0.2	5464.22
Mo 202.032	-0.4018	ppb	0.3758	93.5	16.3643
Na 330.237	20242.2	ppb	128.087	0.6	1097.11
Ni 231.604	0.5035	ppb	0.4840	96.1	-4.3204
Pb 220.353	-0.1065	ppb	1.5811	1485.3	31.0435
Sb 206.834	1.1896	ppb	1.9131	160.8	3.7876
Se 196.026	2.3049	ppb	2.5982	112.7	12.9160
Sn 189.925	0.5533	ppb	2.1009	379.7	-10.0011
Sr 216.596	83.9153	ppb	0.2901	0.3	1055.81
Ti 334.941	-0.0418	ppb	0.0261	62.5	-32.6442
Tl 190.794	-0.6583	ppb	0.8986	136.5	-14.5073
V 292.401	0.0034	ppb	0.1805	5302.7	-10.1194
Zn 206.200	-0.7856	ppb	0.4606	58.6	-0.8483

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**560-39643-b-3-b (Samp)**      **5/8/2013, 8:26:31 PM**      **Rack 1, Tube 52****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2140	0.0855	0.0261u
Al 308.215	29.4910	27.9681	22.5953
As 188.980	-2.4494u	-0.2833u	-3.7963u
B 249.678	12.2665	11.4277	11.3484
Ba 389.178	52.9360	51.8719	52.6829
Be 313.042	0.0035	-0.0000	0.0205
Ca 370.602	10569	10532	10522
Cd 226.502	-0.1509u	-0.2262u	-0.1327u
Co 228.615	0.3238	0.0554	0.4366
Cr 267.716	0.2174	0.3090	0.3087
Cu 324.754	51.3625	52.4190	51.6531
Fe 271.441	557.746	556.813	553.542
K 766.491	2803.80	2803.20	2823.59
Mg 279.078	2620.62	2614.25	2624.00
Mn 257.610	70.4119	70.2864	70.8679
Mo 202.032	-0.4528u	0.1526	-0.8409u
Na 330.237	20268.5	20347.2	20331.8
Ni 231.604	1.0666	1.4264	0.7119
Pb 220.353	0.5994	0.8060	0.9540
Sb 206.834	6.4372	-2.6040u	-0.4726u
Se 196.026	-3.3966u	-6.8358u	-1.8582u
Sn 189.925	-1.5586u	-0.1387u	-0.9324u
Sr 216.596	83.4136	82.8788	82.3041
Ti 334.941	-0.0433u	-0.0254	-0.0849u
Tl 190.794	1.3402	1.7496	-1.3758u
V 292.401	0.2093	-0.0701u	0.2723
Zn 206.200	18.5448	15.9440	17.9236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1085	ppb	0.0960	88.5	-32.1886
Al 308.215	26.6848	ppb	3.6226	13.6	142.589
As 188.980	-2.1763	ppb	1.7724	81.4	-5.9612
B 249.678	11.6809	ppb	0.5087	4.4	516.151
Ba 389.178	52.4969	ppb	0.5559	1.1	1173.05
Be 313.042	0.0080	ppb	0.0110	137.1	-360.986
Ca 370.602	10541	ppb	24.81	0.2	32492
Cd 226.502	-0.1699	ppb	0.0496	29.2	31.4389
Co 228.615	0.2720	ppb	0.1958	72.0	12.0476
Cr 267.716	0.2784	ppb	0.0528	19.0	20.8545
Cu 324.754	51.8115	ppb	0.5458	1.1	2615.09
Fe 271.441	556.034	ppb	2.2075	0.4	1114.80
K 766.491	2810.20	ppb	11.6060	0.4	106564
Mg 279.078	2619.62	ppb	4.9512	0.2	5927.12
Mn 257.610	70.5220	ppb	0.3060	0.4	4391.59
Mo 202.032	-0.3804	ppb	0.5007	131.6	16.5342
Na 330.237	20315.8	ppb	41.7360	0.2	1100.80
Ni 231.604	1.0683	ppb	0.3572	33.4	-2.6431
Pb 220.353	0.7865	ppb	0.1781	22.6	32.8219
Sb 206.834	1.1202	ppb	4.7264	421.9	3.7017
Se 196.026	-4.0302	ppb	2.5486	63.2	9.5304
Sn 189.925	-0.8766	ppb	0.7116	81.2	-11.3877
Sr 216.596	82.8655	ppb	0.5549	0.7	1042.79
Ti 334.941	-0.0512	ppb	0.0305	59.6	-36.2826
Tl 190.794	0.5713	ppb	1.6986	297.3	-13.1739
V 292.401	0.1372	ppb	0.1823	132.9	-6.3419
Zn 206.200	17.4708	ppb	1.3582	7.8	27.8781

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**680-89893-p-1-a (Samp)**                      **5/8/2013, 8:31:55 PM**                      **Rack 1, Tube 53**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3418u	0.0061	0.3296
Al 308.215	-0.8026u	1.2686	1.3084
As 188.980	-7.4722u	-9.1637u	-3.4884u
B 249.678	1181.59	1172.90	1181.53
Ba 389.178	-0.3720u	0.1489	0.7916
Be 313.042	-0.0024u	0.0084	-0.0050u
Ca 370.602	439.0	430.2	424.2
Cd 226.502	-0.0632u	-0.2131u	-0.0753u
Co 228.615	0.1235	-0.1374u	0.6210
Cr 267.716	0.0433	-0.1159u	0.1910
Cu 324.754	1.6251	0.9804	0.7858
Fe 271.441	-3.0424u	-2.8830u	-11.9497u
K 766.491	3246.23	3217.06	3235.68
Mg 279.078	538.590	523.903	526.674
Mn 257.610	0.0398	-0.1992u	-0.0956u
Mo 202.032	-0.7500u	-0.6164u	-0.6477u
Na 330.237	66985.7	66176.2	66526.7
Ni 231.604	0.7871	-0.7475u	0.0539
Pb 220.353	0.8280	0.0219	1.0401
Sb 206.834	1.0883	1.5466	2.5220
Se 196.026	1.5006	-8.8242u	0.8621
Sn 189.925	-2.6431u	-1.2307u	-1.9136u
Sr 216.596	3.9877	3.6034	3.7311
Ti 334.941	-0.1021u	-0.1253u	-0.0840u
Tl 190.794	-2.8558u	0.5881	-3.4619u
V 292.401	-0.0207u	0.1194	0.1761
Zn 206.200	458.341	447.844	451.557

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0020	ppb	0.3357	16570.4	-37.2880
Al 308.215	0.5914	ppb	1.2075	204.2	38.0637
As 188.980	-6.7081	ppb	2.9138	43.4	-8.1236
B 249.678	1178.67	ppb	4.9971	0.4	15772.2
Ba 389.178	0.1895	ppb	0.5829	307.6	-2.5207
Be 313.042	0.0004	ppb	0.0071	2015.0	-383.334
Ca 370.602	431.2	ppb	7.410	1.7	1345
Cd 226.502	-0.1172	ppb	0.0833	71.1	31.3472
Co 228.615	0.2024	ppb	0.3853	190.4	11.1664
Cr 267.716	0.0394	ppb	0.1535	389.2	9.0215
Cu 324.754	1.1305	ppb	0.4393	38.9	316.935
Fe 271.441	-5.9584	ppb	5.1893	87.1	100.962
K 766.491	3232.99	ppb	14.7713	0.5	122552
Mg 279.078	529.723	ppb	7.8032	1.5	1227.74
Mn 257.610	-0.0850	ppb	0.1199	141.0	139.506
Mo 202.032	-0.6714	ppb	0.0699	10.4	14.3073
Na 330.237	66562.8	ppb	405.949	0.6	3473.07
Ni 231.604	0.0311	ppb	0.7676	2464.9	-5.7396
Pb 220.353	0.6300	ppb	0.5372	85.3	32.4911
Sb 206.834	1.7189	ppb	0.7322	42.6	4.3968
Se 196.026	-2.1538	ppb	5.7855	268.6	10.5093
Sn 189.925	-1.9291	ppb	0.7063	36.6	-12.3949
Sr 216.596	3.7740	ppb	0.1957	5.2	63.2719
Ti 334.941	-0.1038	ppb	0.0207	19.9	-65.7560
Tl 190.794	-1.9099	ppb	2.1844	114.4	-15.6592
V 292.401	0.0916	ppb	0.1013	110.6	-7.9637
Zn 206.200	452.581	ppb	5.3232	3771.2	712.659



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**680-89930-f-1-a (Samp)**                      **5/8/2013, 8:37:20 PM**                      **Rack 1, Tube 54**  
**Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0131u	-0.1076u	-0.3280u
Al 308.215	6.9098	4.2711	6.3854
As 188.980	-1.8987u	-0.9109u	-1.3855u
B 249.678	27.5577	26.2080	24.4572
Ba 389.178	15.9234	15.7021	15.8877
Be 313.042	-0.0130u	-0.0081u	-0.0066u
Ca 370.602	21370	21435	21347
Cd 226.502	-0.1133u	0.1211	-0.0901u
Co 228.615	-0.0869u	-0.6361u	0.0319
Cr 267.716	0.2309	-0.0048	0.1358
Cu 324.754	0.8239	0.8666	0.7333
Fe 271.441	-1.6316u	-2.8722u	-1.2170u
K 766.491	2658.41	2664.45	2666.80
Mg 279.078	10513.9	10533.5	10497.0
Mn 257.610	-0.6155u	-0.4082	-0.4279
Mo 202.032	0.5152	-0.9258u	-0.5252u
Na 330.237	15417.9	15297.8	15320.9
Ni 231.604	-0.0571u	1.0695	0.5583
Pb 220.353	2.8311	-1.4616u	0.8661
Sb 206.834	1.1564	3.0252	3.5612
Se 196.026	-5.9634u	0.5282	4.7149
Sn 189.925	0.2088	-0.8611u	0.4070
Sr 216.596	458.988	461.218	460.913
Ti 334.941	-0.1231	-0.2167u	-0.1204
Tl 190.794	1.6265	2.0393	-1.2171u
V 292.401	-0.3635u	-0.2904u	-0.3602u
Zn 206.200	41.8407	41.7146	40.4460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1408	ppb	0.1729	122.8	-69.3476
Al 308.215	5.8554	ppb	1.3969	23.9	59.1898
As 188.980	-1.3984	ppb	0.4940	35.3	-5.5140
B 249.678	26.0743	ppb	1.5546	6.0	705.035
Ba 389.178	15.8377	ppb	0.1188	0.8	372.623
Be 313.042	-0.0092	ppb	0.0034	36.5	-388.640
Ca 370.602	21384	ppb	45.55	0.2	65984
Cd 226.502	-0.0274	ppb	0.1292	470.9	35.3122
Co 228.615	-0.2304	ppb	0.3563	154.7	5.5055
Cr 267.716	0.1207	ppb	0.1186	98.3	12.2484
Cu 324.754	0.8079	ppb	0.0681	8.4	302.326
Fe 271.441	-1.9069	ppb	0.8613	45.2	108.199
K 766.491	2663.22	ppb	4.3322	0.2	101007
Mg 279.078	10514.8	ppb	18.2604	0.2	23685.6
Mn 257.610	-0.4839	ppb	0.1145	23.7	142.972
Mo 202.032	-0.3119	ppb	0.7438	238.5	17.0958
Na 330.237	15345.6	ppb	63.7421	0.4	845.632
Ni 231.604	0.5236	ppb	0.5641	107.7	-4.2758
Pb 220.353	0.7452	ppb	2.1489	288.4	32.7205
Sb 206.834	2.5809	ppb	1.2625	48.9	5.4138
Se 196.026	-0.2401	ppb	5.3805	2240.9	11.5304
Sn 189.925	-0.0818	ppb	0.6821	834.1	-10.6135
Sr 216.596	460.373	ppb	1.2093	0.3	5712.31
Ti 334.941	-0.1534	ppb	0.0549	35.8	-28.3836
Tl 190.794	0.8162	ppb	1.7730	217.2	-12.7754
V 292.401	-0.3381	ppb	0.0413	12.2	-19.6647
Zn 206.200	41.3337	ppb	0.7714	1.9	653769

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**680-89930-f-1-aSD^5 (Samp)**      **5/8/2013, 8:42:45 PM**      **Rack 1, Tube 55**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0254u	0.1610	0.5704
Al 308.215	1.2770	2.2497	-1.0465u
As 188.980	-2.9395u	-4.6627u	-10.0875u
B 249.678	-4.8752u	-4.9270u	-6.2376u
Ba 389.178	3.3579	3.5589	2.9171
Be 313.042	-0.0057u	-0.0065u	-0.0108u
Ca 370.602	4181	4197	4179
Cd 226.502	0.0717	-0.1665u	-0.0504u
Co 228.615	-0.1844u	-0.4556u	0.1397
Cr 267.716	0.0384	-0.2166u	0.0991
Cu 324.754	0.6232	0.0686	0.0123
Fe 271.441	-2.9875u	1.0257	-3.4239u
K 766.491	504.039	507.838	509.003
Mg 279.078	2081.46	2087.17	2083.86
Mn 257.610	0.2405	0.2502	0.3669
Mo 202.032	-0.8130u	-0.7422u	-0.3656u
Na 330.237	3099.09	3088.19	3059.59
Ni 231.604	1.6010	0.2836	1.0368
Pb 220.353	-1.7670u	1.2588	1.9850
Sb 206.834	-1.4490u	4.5638	1.6564
Se 196.026	-4.2777u	0.3797	5.8069
Sn 189.925	1.1161	-1.7472u	-2.5864u
Sr 216.596	91.7233	91.0432	91.9960
Ti 334.941	-0.1055u	-0.1201u	-0.0245
Tl 190.794	1.8937	1.0658	-3.5335u
V 292.401	-0.1434u	-0.3774u	0.2141
Zn 206.200	6.2533	7.5728	7.7306

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2523	ppb	0.2838	112.5	-21.8479
Al 308.215	0.8267	ppb	1.6936	204.8	39.0153
As 188.980	-5.8966	ppb	3.7303	63.3	-7.7204
B 249.678	-5.3466	ppb	0.7720	14.4	294.284
Ba 389.178	3.2780	ppb	0.3283	10.0	70.4745
Be 313.042	-0.0077	ppb	0.0027	35.5	-389.891
Ca 370.602	4186	ppb	9.942	0.2	12928
Cd 226.502	-0.0484	ppb	0.1191	246.1	34.4497
Co 228.615	-0.1668	ppb	0.2980	178.7	6.3443
Cr 267.716	-0.0264	ppb	0.1675	635.8	4.5156
Cu 324.754	0.2347	ppb	0.3377	143.9	276.323
Fe 271.441	-1.7952	ppb	2.4527	136.6	108.411
K 766.491	506.960	ppb	2.5956	0.5	19468.1
Mg 279.078	2084.17	ppb	2.8681	0.1	4723.91
Mn 257.610	0.2859	ppb	0.0703	24.6	166.163
Mo 202.032	-0.6403	ppb	0.2405	37.6	14.5485
Na 330.237	3082.29	ppb	20.3996	0.7	216.050
Ni 231.604	0.9738	ppb	0.6609	67.9	-2.9371
Pb 220.353	0.4922	ppb	1.9900	404.3	32.2159
Sb 206.834	1.5904	ppb	3.0069	189.1	4.2428
Se 196.026	0.6363	ppb	5.0472	793.2	11.9981
Sn 189.925	-1.0725	ppb	1.9413	181.0	-11.5876
Sr 216.596	91.5875	ppb	0.4907	0.5	1149.66
Ti 334.941	-0.0834	ppb	0.0515	61.8	-47.1249
Tl 190.794	-0.1913	ppb	2.9239	1528.2	-13.8417
V 292.401	-0.1023	ppb	0.2979	291.3	-12.9335
Zn 206.200	7.1855	ppb	0.8112	375.3	518.6299

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**680-89930-f-1-aPDS (Samp) 5/8/2013, 8:48:10 PM Rack 1, Tube 56****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.1994	51.1321	48.6635
Al 308.215	1951.24	1953.42	1945.48
As 188.980	2195.67	2163.01	2193.51
B 249.678	1046.05	1050.41	1053.48
Ba 389.178	2097.19	2096.19	2095.21
Be 313.042	51.5656	51.4260	51.4799
Ca 370.602	26000	25964	25965
Cd 226.502	53.1142	52.8489	53.0677
Co 228.615	532.012	533.209	535.697
Cr 267.716	209.232	208.706	209.264
Cu 324.754	263.003	263.951	260.437
Fe 271.441	994.017	996.213	999.362
K 766.491	8366.26	8375.60	8362.62
Mg 279.078	15672.4	15667.8	15680.2
Mn 257.610	544.820	542.890	545.065
Mo 202.032	531.981	533.793	533.471
Na 330.237	20711.4	20815.3	20516.3
Ni 231.604	521.990	520.103	516.530
Pb 220.353	502.346	505.685	502.791
Sb 206.834	494.088	495.212	494.217
Se 196.026	2022.47	1990.87	1997.71
Sn 189.925	1066.30	1068.07	1078.62
Sr 216.596	986.606	986.017	987.609
Ti 334.941	1034.59	1033.89	1033.71
Tl 190.794	2121.66	2110.43	2118.23
V 292.401	501.163	500.701	501.111
Zn 206.200	557.433	560.380	555.840

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.6650	ppb	1.2985	2.6	3740.88
Al 308.215	1950.05	ppb	4.1001	0.2	7889.19
As 188.980	2184.06	ppb	18.2677	0.8	1001.35
B 249.678	1049.98	ppb	3.7328	0.4	14088.5
Ba 389.178	2096.20	ppb	0.9912	0.0	46904.3
Be 313.042	51.4905	ppb	0.0704	0.1	93980.4
Ca 370.602	25976	ppb	20.79	0.1	80274
Cd 226.502	53.0103	ppb	0.1417	0.3	2126.45
Co 228.615	533.639	ppb	1.8796	0.4	6982.47
Cr 267.716	209.068	ppb	0.3133	0.1	10683.0
Cu 324.754	262.464	ppb	1.8184	0.7	12175.6
Fe 271.441	996.531	ppb	2.6865	0.3	2001.51
K 766.491	8368.16	ppb	6.6984	0.1	316738
Mg 279.078	15673.5	ppb	6.2770	0.0	35278.7
Mn 257.610	544.258	ppb	1.1914	0.2	32915.3
Mo 202.032	533.082	ppb	0.9669	0.2	4153.15
Na 330.237	20681.0	ppb	151.826	0.7	1107.27
Ni 231.604	519.541	ppb	2.7729	0.5	1538.96
Pb 220.353	503.607	ppb	1.8132	0.4	1035.43
Sb 206.834	494.505	ppb	0.6154	0.1	583.357
Se 196.026	2003.68	ppb	16.6274	0.8	1080.95
Sn 189.925	1070.99	ppb	6.6605	0.6	1028.13
Sr 216.596	986.744	ppb	0.8048	0.1	12190.3
Ti 334.941	1034.06	ppb	0.4660	0.0	307782
Tl 190.794	2116.77	ppb	5.7563	0.3	2225.62
V 292.401	500.992	ppb	0.2531	0.1	14042.5
Zn 206.200	557.884	ppb	2.3935	0.4	877.872

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**680-89930-f-1-b ms (Samp)      5/8/2013, 8:53:35 PM      Rack 1, Tube 57**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	22.1972	22.2629	22.1645
Al 308.215	2132.58	2139.78	2133.91
As 188.980	44.5246	47.4976	48.0204
B 249.678	108.790	108.632	108.661
Ba 389.178	61.3009	60.3872	60.9136
Be 313.042	22.7467	22.7575	22.6641
Ca 370.602	23368	23405	23334
Cd 226.502	23.0419	23.1568	22.7581
Co 228.615	22.3264	22.3882	23.3016
Cr 267.716	45.3630	45.2558	45.1219
Cu 324.754	46.9436	46.7645	46.3420
Fe 271.441	2145.59	2140.46	2146.32
K 766.491	5035.26	5026.54	4998.11
Mg 279.078	12804.1	12815.8	12786.7
Mn 257.610	236.615	234.628	234.439
Mo 202.032	42.6321	43.0390	43.0712
Na 330.237	17668.4	17795.1	17789.3
Ni 231.604	46.1294	47.4824	45.3694
Pb 220.353	24.4273	24.7113	24.2958
Sb 206.834	26.0446	28.5079	26.7467
Se 196.026	44.5834	43.1268	40.1129
Sn 189.925	88.4983	86.9600	86.5906
Sr 216.596	508.797	508.618	509.054
Ti 334.941	42.7521	42.6864	42.7464
Tl 190.794	13.7229	17.4197	18.5640
V 292.401	43.8834	44.2406	43.8920
Zn 206.200	83.4688	86.8935	83.3008

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.2082	ppb	0.0501	0.2	1647.92
Al 308.215	2135.43	ppb	3.8327	0.2	8591.79
As 188.980	46.6809	ppb	1.8856	4.0	16.6292
B 249.678	108.694	ppb	0.0840	0.1	1782.27
Ba 389.178	60.8672	ppb	0.4586	0.8	1388.48
Be 313.042	22.7227	ppb	0.0511	0.2	41302.0
Ca 370.602	23369	ppb	35.46	0.2	71952
Cd 226.502	22.9856	ppb	0.2053	0.9	948.330
Co 228.615	22.6721	ppb	0.5460	2.4	304.014
Cr 267.716	45.2469	ppb	0.1208	0.3	2318.03
Cu 324.754	46.6834	ppb	0.3089	0.7	2383.69
Fe 271.441	2144.13	ppb	3.1917	0.1	3983.83
K 766.491	5019.97	ppb	19.4279	0.4	190126
Mg 279.078	12802.2	ppb	14.6709	0.1	28826.1
Mn 257.610	235.228	ppb	1.2057	0.5	14325.0
Mo 202.032	42.9141	ppb	0.2448	0.6	352.162
Na 330.237	17750.9	ppb	71.5558	0.4	967.432
Ni 231.604	46.3271	ppb	1.0703	2.3	131.964
Pb 220.353	24.4781	ppb	0.2124	0.9	80.1178
Sb 206.834	27.0997	ppb	1.2690	4.7	34.6089
Se 196.026	42.6077	ppb	2.2800	5.4	34.4693
Sn 189.925	87.3496	ppb	1.0118	1.2	74.1801
Sr 216.596	508.823	ppb	0.2195	0.0	6310.03
Ti 334.941	42.7283	ppb	0.0364	0.1	12744.6
Tl 190.794	16.5688	ppb	2.5302	15.3	3.4309
V 292.401	44.0053	ppb	0.2038	0.5	1222.48
Zn 206.200	84.5544	ppb	2.0275	2.4	133.499

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**680-89930-f-1-c msd (Samp)      5/8/2013, 8:59:01 PM      Rack 1, Tube 58**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	22.8166	22.9083	22.4950
Al 308.215	2173.50	2173.57	2179.23
As 188.980	50.7387	48.2704	55.4969
B 249.678	101.219	100.626	101.038
Ba 389.178	62.0597	60.7379	61.9323
Be 313.042	23.2811	23.2177	23.2616
Ca 370.602	23475	23455	23492
Cd 226.502	23.4425	23.1695	23.2870
Co 228.615	23.1692	23.1610	23.1238
Cr 267.716	46.3930	46.1521	46.4705
Cu 324.754	47.2948	47.3442	47.7066
Fe 271.441	2198.82	2183.01	2197.78
K 766.491	5068.61	5056.65	5026.24
Mg 279.078	12850.1	12842.4	12888.5
Mn 257.610	241.553	240.697	240.006
Mo 202.032	44.1899	43.7382	43.3930
Na 330.237	17817.4	17774.6	17636.5
Ni 231.604	46.8747	46.2546	46.3275
Pb 220.353	21.6837	26.0747	24.4228
Sb 206.834	23.7313	20.1859	26.7946
Se 196.026	40.8867	35.8956	46.4088
Sn 189.925	86.8472	86.6481	82.7458
Sr 216.596	508.811	508.890	511.685
Ti 334.941	43.5384	43.4387	43.3364
Tl 190.794	20.3336	17.1542	18.1063
V 292.401	44.9711	44.3911	44.5666
Zn 206.200	83.6219	81.8502	85.0614

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.7400	ppb	0.2171	1.0	1688.79
Al 308.215	2175.43	ppb	3.2885	0.2	8752.07
As 188.980	51.5020	ppb	3.6732	7.1	18.8508
B 249.678	100.961	ppb	0.3039	0.3	1681.11
Ba 389.178	61.5766	ppb	0.7291	1.2	1404.57
Be 313.042	23.2535	ppb	0.0325	0.1	42275.4
Ca 370.602	23474	ppb	18.59	0.1	72273
Cd 226.502	23.2997	ppb	0.1370	0.6	960.853
Co 228.615	23.1514	ppb	0.0242	0.1	310.265
Cr 267.716	46.3386	ppb	0.1660	0.4	2373.80
Cu 324.754	47.4485	ppb	0.2249	0.5	2418.41
Fe 271.441	2193.21	ppb	8.8410	0.4	4072.46
K 766.491	5050.50	ppb	21.8407	0.4	191281
Mg 279.078	12860.3	ppb	24.6892	0.2	28956.8
Mn 257.610	240.752	ppb	0.7751	0.3	14657.5
Mo 202.032	43.7737	ppb	0.3996	0.9	358.825
Na 330.237	17742.9	ppb	94.5454	0.5	966.998
Ni 231.604	46.4856	ppb	0.3389	0.7	132.437
Pb 220.353	24.0604	ppb	2.2178	9.2	79.2840
Sb 206.834	23.5706	ppb	3.3073	14.0	30.4294
Se 196.026	41.0637	ppb	5.2589	12.8	33.6470
Sn 189.925	85.4137	ppb	2.3126	2.7	72.3027
Sr 216.596	509.796	ppb	1.6369	0.3	6322.06
Ti 334.941	43.4378	ppb	0.1010	0.2	12956.0
Tl 190.794	18.5314	ppb	1.6318	8.8	5.4979
V 292.401	44.6429	ppb	0.2974	0.7	1240.29
Zn 206.200	83.5112	ppb	1.6085	1.9	131.859

**mb 680-275911/1-b (Samp)      5/8/2013, 9:04:27 PM      Rack 1, Tube 59**  
**Weight: 1      Volume: 1      Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2033	0.1934	-0.1204u
Al 308.215	-1.2882u	0.5803	3.5958
As 188.980	-5.4057u	2.2110	-0.8240u
B 249.678	-10.7673u	-10.9827u	-10.9078u
Ba 389.178	0.2930	0.7723	0.1202
Be 313.042	0.0024	0.0003	-0.0035u
Ca 370.602	2.619	11.72	2.597
Cd 226.502	0.1368	-0.0717u	0.0742
Co 228.615	0.4578	0.6566	-0.2163u
Cr 267.716	0.0295	-0.2368u	-0.0663u
Cu 324.754	-0.3052u	-0.2657u	-0.1168u
Fe 271.441	-5.2048u	-8.1354u	-2.0183u
K 766.491	0.3651	-0.3443u	0.3233
Mg 279.078	-0.9108u	0.7909	2.7417
Mn 257.610	0.0192	-0.2294u	-0.1607u
Mo 202.032	-0.7806u	-0.0446u	-1.0577u
Na 330.237	148.102	-201.157u	274.833
Ni 231.604	-0.6004u	0.0851	-0.2073u
Pb 220.353	-0.9628u	1.6654	0.0897
Sb 206.834	3.7339	0.9220	0.0754
Se 196.026	-6.5398u	1.3269	-3.8684u
Sn 189.925	-2.6948u	-0.3155u	-4.7589u
Sr 216.596	-0.2214u	0.3031	-0.0305u
Ti 334.941	-0.0262u	-0.0326u	-0.0504u
Tl 190.794	2.0336	-0.0171u	-2.7500u
V 292.401	-0.3052u	0.2305	0.1480
Zn 206.200	-0.6159u	-0.4914u	0.0572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0921	ppb	0.1841	199.9	-29.8732
Al 308.215	0.9626	ppb	2.4644	256.0	39.5582
As 188.980	-1.3396	ppb	3.8344	286.2	-5.6534
B 249.678	-10.8859	ppb	0.1093	1.0	221.876
Ba 389.178	0.3952	ppb	0.3378	85.5	0.7421
Be 313.042	-0.0002	ppb	0.0030	1247.3	-377.229
Ca 370.602	5.644	ppb	5.259	93.2	32.35
Cd 226.502	0.0464	ppb	0.1070	230.3	38.1586
Co 228.615	0.2994	ppb	0.4575	152.8	12.4289
Cr 267.716	-0.0912	ppb	0.1349	147.9	1.1455
Cu 324.754	-0.2293	ppb	0.0994	43.3	255.284
Fe 271.441	-5.1195	ppb	3.0594	59.8	102.491
K 766.491	0.1147	ppb	0.3981	347.1	301.837
Mg 279.078	0.8739	ppb	1.8277	209.1	38.2860
Mn 257.610	-0.1236	ppb	0.1284	103.8	135.827
Mo 202.032	-0.6277	ppb	0.5236	83.4	14.6464
Na 330.237	73.9261	ppb	246.512	333.5	61.5991
Ni 231.604	-0.2409	ppb	0.3440	142.8	-6.5488
Pb 220.353	0.2641	ppb	1.3227	500.8	31.7600
Sb 206.834	1.5771	ppb	1.9152	121.4	4.2259
Se 196.026	-3.0271	ppb	4.0003	132.1	10.0432
Sn 189.925	-2.5897	ppb	2.2236	85.9	-13.0623
Sr 216.596	0.0171	ppb	0.2655	1554.8	16.7662
Ti 334.941	-0.0364	ppb	0.0125	34.4	-42.9439
Tl 190.794	-0.2445	ppb	2.3999	981.5	-13.8967
V 292.401	0.0244	ppb	0.2885	1180.8	-9.3521
Zn 206.200	-0.3500	ppb	0.3581	102.3	0.2309

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ics 680-275911/2-b (Samp)      5/8/2013, 9:10:04 PM      Rack 1, Tube 60  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	51.1779	51.6803	51.5578
Al 308.215	4985.59	5056.43	5044.60
As 188.980	101.570	103.724	110.931
B 249.678	184.118	187.524	187.966
Ba 389.178	104.521	105.430	105.936
Be 313.042	54.0705	54.5808	54.3422
Ca 370.602	4951	4995	4981
Cd 226.502	53.5200	54.0738	53.9877
Co 228.615	52.8010	52.5264	53.0973
Cr 267.716	106.190	107.261	107.294
Cu 324.754	105.611	104.868	106.128
Fe 271.441	4982.48	5037.79	5015.25
K 766.491	5034.83	5101.66	5092.26
Mg 279.078	5051.50	5104.13	5094.70
Mn 257.610	542.069	552.757	552.262
Mo 202.032	101.228	102.624	102.304
Na 330.237	5076.90	4963.70	5214.62
Ni 231.604	103.299	105.679	104.937
Pb 220.353	49.9995	52.1309	50.2928
Sb 206.834	57.1119	50.2130	52.6396
Se 196.026	101.924	106.283	108.996
Sn 189.925	198.858	202.987	206.519
Sr 216.596	103.919	105.307	104.052
Ti 334.941	99.9540	101.219	100.674
Tl 190.794	39.3474	37.9692	38.6423
V 292.401	101.835	102.614	102.557
Zn 206.200	103.293	104.723	105.733

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.4720	ppb	0.2620	0.5	3918.62
Al 308.215	5028.87	ppb	37.9513	0.8	20185.1
As 188.980	105.408	ppb	4.9028	4.7	43.5098
B 249.678	186.536	ppb	2.1054	1.1	2796.09
Ba 389.178	105.296	ppb	0.7169	0.7	2366.60
Be 313.042	54.3311	ppb	0.2553	0.5	99267.3
Ca 370.602	4976	ppb	22.41	0.5	15003
Cd 226.502	53.8605	ppb	0.2980	0.6	2173.17
Co 228.615	52.8083	ppb	0.2855	0.5	696.766
Cr 267.716	106.915	ppb	0.6280	0.6	5468.71
Cu 324.754	105.536	ppb	0.6336	0.6	5053.91
Fe 271.441	5011.84	ppb	27.8123	0.6	9162.72
K 766.491	5076.25	ppb	36.1787	0.7	192255
Mg 279.078	5083.44	ppb	28.0610	0.6	11459.8
Mn 257.610	549.029	ppb	6.0329	1.1	33176.0
Mo 202.032	102.052	ppb	0.7313	0.7	810.576
Na 330.237	5085.07	ppb	125.660	2.5	314.880
Ni 231.604	104.639	ppb	1.2179	1.2	305.412
Pb 220.353	50.8077	ppb	1.1552	2.3	132.700
Sb 206.834	53.3215	ppb	3.4996	6.6	65.8679
Se 196.026	105.734	ppb	3.5676	3.4	68.2544
Sn 189.925	202.788	ppb	3.8346	1.9	186.119
Sr 216.596	104.426	ppb	0.7655	0.7	1304.57
Ti 334.941	100.616	ppb	0.6343	0.6	29936.2
Tl 190.794	38.6530	ppb	0.6892	1.8	26.1783
V 292.401	102.335	ppb	0.4341	0.4	2855.84
Zn 206.200	104.583	ppb	1.2259	1.2	165.145

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Cont Calib Verif (CCV)                      5/8/2013, 9:15:31 PM                      Rack 2, Tube 1  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	501.633	501.991	496.358
Al 308.215	4950.35	4945.29	4940.11
As 188.980	494.517	508.657	527.170
B 249.678	497.618	502.910	500.879
Ba 389.178	5166.98	5175.81	5153.47
Be 313.042	520.106	518.623	516.561
Ca 370.602	5079	5077	5041
Cd 226.502	521.527	523.000	520.466
Co 228.615	526.722	527.121	523.888
Cr 267.716	5211.49	5233.44	5206.98
Cu 324.754	5165.69	5264.30	5102.24
Fe 271.441	4986.75	5002.34	4991.69
K 766.491	10163.2	10245.2	10210.5
Mg 279.078	5016.57	5029.55	5001.06
Mn 257.610	5295.84	5333.03	5366.22
Mo 202.032	504.770	506.352	504.127
Na 330.237	7390.41	7440.62	7150.58
Ni 231.604	2610.06	2612.14	2608.52
Pb 220.353	496.006	499.067	496.968
Sb 206.834	983.094	984.091	984.490
Se 196.026	4954.26	4925.96	4922.84
Sn 189.925	5049.98	5089.84	5062.75
Sr 216.596	2562.69	2565.57	2556.23
Ti 334.941	500.393	502.129	500.094
Tl 190.794	5086.70	5105.89	5073.85
V 292.401	5017.62	5031.71	5011.19
Zn 206.200	2608.38	2608.00	2601.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.994	ppb	3.1541	0.6	38341.5	99.99879
Al 308.215	4945.25	ppb	5.1241	0.1	19826.4	98.90499
As 188.980	510.115	ppb	16.3754	3.2	229.896	102.02296
B 249.678	500.469	ppb	2.6698	0.5	6899.87	20.01877Q
Ba 389.178	5165.42	ppb	11.2522	0.2	115515	103.30836
Be 313.042	518.430	ppb	1.7805	0.3	950350	103.68600
Ca 370.602	5066	ppb	21.73	0.4	15522	101.31197
Cd 226.502	521.664	ppb	1.2724	0.2	20586.4	104.33290
Co 228.615	525.910	ppb	1.7629	0.3	6882.06	105.18202
Cr 267.716	5217.30	ppb	14.1559	0.3	266435	104.34602
Cu 324.754	5177.41	ppb	81.6672	1.6	234990	103.54821
Fe 271.441	4993.59	ppb	7.9638	0.2	9255.88	99.87185
K 766.491	10206.3	ppb	41.1409	0.4	386247	102.06310
Mg 279.078	5015.73	ppb	14.2642	0.3	11226.3	100.31457
Mn 257.610	5331.70	ppb	35.2074	0.7	320776	106.63393
Mo 202.032	505.083	ppb	1.1447	0.2	3926.65	101.01658
Na 330.237	7327.20	ppb	155.007	2.1	408.327	97.69604
Ni 231.604	2610.24	ppb	1.8160	0.1	7755.38	104.40967
Pb 220.353	497.347	ppb	1.5654	0.3	1024.63	99.46941
Sb 206.834	983.892	ppb	0.7192	0.1	1227.88	98.38918
Se 196.026	4934.35	ppb	17.3114	0.4	2646.02	98.68703
Sn 189.925	5067.52	ppb	20.3570	0.4	4903.98	101.35043
Sr 216.596	2561.50	ppb	4.7851	0.2	31624.7	102.45985
Ti 334.941	500.872	ppb	1.0988	0.2	149053	100.17436
Tl 190.794	5088.81	ppb	16.1216	0.3	5365.25	101.77629
V 292.401	5020.17	ppb	10.4964	0.2	141427	100.40345
Zn 206.200	2606.09	ppb	3.6410	0.1	4086.64	104.24373



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Cont Calib Blank (CCB)                      5/8/2013, 9:20:55 PM                      Rack 2, Tube 2  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1622u	-0.0682u	0.1343
Al 308.215	2.0642	4.1201	-1.5559u
As 188.980	-0.4846u	-2.1658u	4.8066
B 249.678	-6.3884u	-6.1538u	-8.4403u
Ba 389.178	1.3315	0.3210	0.9870
Be 313.042	0.0029	-0.0054u	0.0034
Ca 370.602	-2.462u	-4.735u	-3.274u
Cd 226.502	-0.2053u	0.0842	-0.2037u
Co 228.615	-0.2844u	0.4611	0.1633
Cr 267.716	0.0649	0.0423	-0.0077u
Cu 324.754	0.3861	0.2419	-0.1530u
Fe 271.441	-9.0568u	0.5448	-2.8157u
K 766.491	-0.7069u	-0.0998u	-0.2087u
Mg 279.078	2.3570	0.8994	0.6715
Mn 257.610	-0.3363u	-0.2145u	-0.1468u
Mo 202.032	0.4086	-0.7518u	0.1620
Na 330.237	-91.5438u	124.478	216.780
Ni 231.604	-0.2283u	-1.0422u	0.0027
Pb 220.353	0.4037	0.3396	3.3405
Sb 206.834	-0.3701u	6.8696	0.8692
Se 196.026	-0.8529u	-1.4583u	0.1853
Sn 189.925	0.5116	-4.0485u	-1.2839u
Sr 216.596	-0.2768u	0.1685	0.1674
Ti 334.941	0.0449	-0.0227u	-0.0043u
Tl 190.794	4.9652	-1.7748u	5.8745
V 292.401	0.3925	0.3529	-0.0399u
Zn 206.200	-0.6754u	-1.7282u	-0.3415u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0321	ppb	0.1515	472.5	-39.4074	-0.03206
Al 308.215	1.5428	ppb	2.8737	186.3	41.9157	1.54282
As 188.980	0.7187	ppb	3.6386	506.2	-4.7052	0.71875
B 249.678	-6.9942	ppb	1.2579	18.0	272.748	-6.99418
Ba 389.178	0.8798	ppb	0.5137	58.4	11.5845	0.87983
Be 313.042	0.0003	ppb	0.0050	1747.2	-376.334	0.00028
Ca 370.602	-3.490	ppb	1.152	33.0	4.039	-3.49008
Cd 226.502	-0.1083	ppb	0.1667	153.9	32.0755	-0.10827
Co 228.615	0.1133	ppb	0.3753	331.1	9.9874	0.11335
Cr 267.716	0.0332	ppb	0.0371	111.9	7.4973	0.03318
Cu 324.754	0.1583	ppb	0.2791	176.3	272.866	0.15831
Fe 271.441	-3.7759	ppb	4.8723	129.0	104.886	-3.77589
K 766.491	-0.3385	ppb	0.3237	95.6	284.702	-0.33846
Mg 279.078	1.3093	ppb	0.9145	69.8	39.2645	1.30928
Mn 257.610	-0.2325	ppb	0.0960	41.3	129.283	-0.23252
Mo 202.032	-0.0604	ppb	0.6113	1012.3	19.0457	-0.06039
Na 330.237	83.2378	ppb	158.245	190.1	62.0784	83.23782
Ni 231.604	-0.4226	ppb	0.5489	129.9	-7.0891	-0.42259
Pb 220.353	1.3613	ppb	1.7143	125.9	33.9506	1.36127
Sb 206.834	2.4562	ppb	3.8720	157.6	5.2636	2.45624
Se 196.026	-0.7086	ppb	0.8312	117.3	11.2804	-0.70863
Sn 189.925	-1.6069	ppb	2.2972	143.0	-12.1092	-1.60692
Sr 216.596	0.0197	ppb	0.2568	1303.2	16.7786	0.01971
Ti 334.941	0.0060	ppb	0.0350	585.7	-30.3261	0.00597
Tl 190.794	3.0216	ppb	4.1786	138.3	-10.4410	3.02163
V 292.401	0.2352	ppb	0.2391	101.6	-3.4825	0.23517
Zn 206.200	-0.9151	ppb	0.7237	79.1	51.1205	-0.91506

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lcsd 680-275911/3-b (Samp)      5/8/2013, 9:26:20 PM      Rack 2, Tube 3  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	52.0380	52.0105	52.1427
Al 308.215	5013.01	5050.09	5019.85
As 188.980	104.653	106.952	100.848
B 249.678	185.305	186.973	186.719
Ba 389.178	104.690	105.339	104.023
Be 313.042	54.1900	54.2945	53.9514
Ca 370.602	4963	4979	4943
Cd 226.502	53.7496	53.9322	53.1556
Co 228.615	54.0924	53.0327	52.8744
Cr 267.716	106.362	105.937	105.725
Cu 324.754	106.868	106.893	104.575
Fe 271.441	4979.91	4990.35	4960.91
K 766.491	5069.89	5065.25	5026.83
Mg 279.078	5089.23	5077.27	5059.78
Mn 257.610	544.725	544.100	543.431
Mo 202.032	102.446	102.714	101.049
Na 330.237	4969.69	5086.29	5009.80
Ni 231.604	105.614	106.125	104.257
Pb 220.353	53.1944	51.2219	51.5362
Sb 206.834	55.5138	51.8401	48.8015
Se 196.026	102.189	93.4151	97.0652
Sn 189.925	199.221	204.151	204.282
Sr 216.596	104.110	103.148	103.065
Ti 334.941	100.046	100.432	99.9238
Tl 190.794	40.6441	44.0965	39.4738
V 292.401	102.509	102.267	102.070
Zn 206.200	104.786	104.314	104.524

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.0637	ppb	0.0698	0.1	3964.19
Al 308.215	5027.65	ppb	19.7292	0.4	20180.2
As 188.980	104.151	ppb	3.0828	3.0	42.9306
B 249.678	186.332	ppb	0.8989	0.5	2793.48
Ba 389.178	104.684	ppb	0.6580	0.6	2352.84
Be 313.042	54.1453	ppb	0.1758	0.3	98926.5
Ca 370.602	4962	ppb	18.07	0.4	14963
Cd 226.502	53.6125	ppb	0.4060	0.8	2163.27
Co 228.615	53.3331	ppb	0.6623	1.2	703.617
Cr 267.716	106.008	ppb	0.3244	0.3	5422.38
Cu 324.754	106.112	ppb	1.3308	1.3	5080.02
Fe 271.441	4977.06	ppb	14.9288	0.3	9100.05
K 766.491	5053.99	ppb	23.6369	0.5	191413
Mg 279.078	5075.43	ppb	14.8077	0.3	11441.8
Mn 257.610	544.085	ppb	0.6471	0.1	32878.7
Mo 202.032	102.070	ppb	0.8939	0.9	810.716
Na 330.237	5021.92	ppb	59.2382	1.2	311.662
Ni 231.604	105.332	ppb	0.9653	0.9	307.473
Pb 220.353	51.9842	ppb	1.0598	2.0	135.049
Sb 206.834	52.0518	ppb	3.3612	6.5	64.3550
Se 196.026	97.5564	ppb	4.4075	4.5	63.8899
Sn 189.925	202.551	ppb	2.8851	1.4	185.889
Sr 216.596	103.441	ppb	0.5808	0.6	1292.35
Ti 334.941	100.134	ppb	0.2651	0.3	29792.9
Tl 190.794	41.4048	ppb	2.4034	5.8	29.0967
V 292.401	102.282	ppb	0.2201	0.2	2854.47
Zn 206.200	104.541	ppb	0.2365	0.2	165.078

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**680-89876-d-1-h (Samp)**                      **5/8/2013, 9:31:45 PM**                      **Rack 2, Tube 4**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0842	0.1437	0.0507
Al 308.215	320.912	317.381	319.479
As 188.980	-6.7969u	-2.2889u	7.3054
B 249.678	-5.3018u	-6.0118u	-5.9109u
Ba 389.178	18.9313	18.9363	19.5378
Be 313.042	0.0054	0.0124	0.0146
Ca 370.602	4262	4259	4248
Cd 226.502	-0.1016u	-0.2710u	-0.0941u
Co 228.615	-0.1509u	0.4840	0.5138
Cr 267.716	0.5862	0.5325	0.7334
Cu 324.754	1.4006	1.6334	2.0773
Fe 271.441	972.457	965.065	975.702
K 766.491	1963.30	1952.50	1951.70
Mg 279.078	2272.21	2270.53	2263.13
Mn 257.610	7.9224	7.9774	8.1686
Mo 202.032	0.0627	-0.3208u	0.0313
Na 330.237	5348.56	5577.68	5438.67
Ni 231.604	1.0142	1.0397	0.9217
Pb 220.353	0.4925	-0.1525u	0.2905
Sb 206.834	4.1976	-1.1641u	6.7988
Se 196.026	5.9281	5.8521	4.4497
Sn 189.925	0.7453	0.7148	-2.1389u
Sr 216.596	33.0578	33.3905	32.5489
Ti 334.941	8.9217	8.9607	8.9462
Tl 190.794	-1.6046u	-0.3677u	-1.3964u
V 292.401	1.4925	1.4899	1.2282
Zn 206.200	5.4305	4.3402	3.9336

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0928	ppb	0.0471	50.7	-31.3431
Al 308.215	319.257	ppb	1.7762	0.6	1314.38
As 188.980	-0.5935	ppb	7.2024	1213.6	-5.2841
B 249.678	-5.7415	ppb	0.3841	6.7	287.860
Ba 389.178	19.1351	ppb	0.3487	1.8	426.811
Be 313.042	0.0108	ppb	0.0048	44.7	-356.450
Ca 370.602	4256	ppb	7.166	0.2	13071
Cd 226.502	-0.1556	ppb	0.1001	64.3	33.4664
Co 228.615	0.2823	ppb	0.3754	133.0	12.4196
Cr 267.716	0.6174	ppb	0.1040	16.8	37.7233
Cu 324.754	1.7038	ppb	0.3438	20.2	343.193
Fe 271.441	971.075	ppb	5.4515	0.6	1863.54
K 766.491	1955.84	ppb	6.4803	0.3	74257.0
Mg 279.078	2268.63	ppb	4.8318	0.2	5138.74
Mn 257.610	8.0228	ppb	0.1292	1.6	632.603
Mo 202.032	-0.0756	ppb	0.2129	281.7	18.8732
Na 330.237	5454.97	ppb	115.430	2.1	337.371
Ni 231.604	0.9919	ppb	0.0621	6.3	-2.8604
Pb 220.353	0.2102	ppb	0.3300	157.0	31.6547
Sb 206.834	3.2774	ppb	4.0604	123.9	6.2705
Se 196.026	5.4100	ppb	0.8325	15.4	14.5535
Sn 189.925	-0.2263	ppb	1.6565	732.1	-10.7660
Sr 216.596	32.9991	ppb	0.4238	1.3	425.557
Ti 334.941	8.9429	ppb	0.0197	0.2	2639.92
Tl 190.794	-1.1229	ppb	0.6622	59.0	-14.8915
V 292.401	1.4036	ppb	0.1519	10.8	29.6188
Zn 206.200	4.5681	ppb	0.7740	16.9	7.6138

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**680-89876-c-2-e (Samp)**                      **5/8/2013, 9:37:10 PM**                      **Rack 2, Tube 5**  
**Weight: 1**                                      **Volume: 1**                                      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1555	-0.0326u	0.1114
Al 308.215	374.687	374.228	372.463
As 188.980	4.9128	-9.7527u	1.8905
B 249.678	-10.8304u	-10.4544u	-10.9287u
Ba 389.178	14.6667	14.6168	14.8250
Be 313.042	0.0340	0.0282	0.0293
Ca 370.602	427.5	432.3	430.2
Cd 226.502	-0.1434u	-0.0522u	0.0342
Co 228.615	0.3943	0.5271	0.3942
Cr 267.716	0.2968	0.1971	0.5368
Cu 324.754	-0.1143u	0.4662	0.3021
Fe 271.441	199.160	207.445	200.423
K 766.491	285.449	285.459	286.528
Mg 279.078	376.352	376.257	375.750
Mn 257.610	17.8520	17.7582	17.8391
Mo 202.032	0.0512	-0.5297u	-0.3955u
Na 330.237	1610.68	1541.34	1713.56
Ni 231.604	0.2447	1.7522	1.4294
Pb 220.353	1.5374	3.4545	1.5813
Sb 206.834	7.0898	-2.6757u	5.1068
Se 196.026	1.4522	4.7522	1.2657
Sn 189.925	-1.0868u	-1.3879u	-0.5088u
Sr 216.596	5.8551	6.0494	6.0072
Ti 334.941	1.8192	1.8417	1.7948
Tl 190.794	-0.3866u	0.3062	-0.7814u
V 292.401	0.8166	0.6440	0.5931
Zn 206.200	1.1994	1.2509	1.1115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0781	ppb	0.0983	125.9	-31.1241
Al 308.215	373.793	ppb	1.1745	0.3	1532.80
As 188.980	-0.9831	ppb	7.7435	787.6	-5.4875
B 249.678	-10.7378	ppb	0.2503	2.3	223.544
Ba 389.178	14.7029	ppb	0.1087	0.7	321.871
Be 313.042	0.0305	ppb	0.0031	10.1	-320.897
Ca 370.602	430.0	ppb	2.409	0.6	1326
Cd 226.502	-0.0538	ppb	0.0888	165.0	34.8998
Co 228.615	0.4385	ppb	0.0767	17.5	14.2800
Cr 267.716	0.3436	ppb	0.1746	50.8	23.5138
Cu 324.754	0.2180	ppb	0.2993	137.3	275.623
Fe 271.441	202.342	ppb	4.4638	2.2	476.779
K 766.491	285.812	ppb	0.6198	0.2	11105.4
Mg 279.078	376.119	ppb	0.3235	0.1	881.883
Mn 257.610	17.8165	ppb	0.0508	0.3	1215.80
Mo 202.032	-0.2913	ppb	0.3042	104.4	17.2425
Na 330.237	1621.86	ppb	86.6511	5.3	140.971
Ni 231.604	1.1421	ppb	0.7937	69.5	-2.4318
Pb 220.353	2.1911	ppb	1.0944	49.9	35.6192
Sb 206.834	3.1736	ppb	5.1618	162.6	6.1250
Se 196.026	2.4900	ppb	1.9613	78.8	12.9932
Sn 189.925	-0.9945	ppb	0.4467	44.9	-11.5144
Sr 216.596	5.9706	ppb	0.1022	1.7	90.5034
Ti 334.941	1.8186	ppb	0.0235	1.3	510.834
Tl 190.794	-0.2872	ppb	0.5505	191.7	-13.9809
V 292.401	0.6845	ppb	0.1171	17.1	9.2282
Zn 206.200	1.1873	ppb	0.0705	5.9	2.2098

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680-89876-b-3-e (Samp)                      5/8/2013, 9:42:34 PM                      Rack 2, Tube 6  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4118	0.0515	0.3154
Al 308.215	373.264	370.991	371.180
As 188.980	-5.3936u	0.2498	-5.4947u
B 249.678	-12.0501u	-12.1743u	-12.4873u
Ba 389.178	13.7623	12.7001	13.6066
Be 313.042	0.0314	0.0373	0.0328
Ca 370.602	423.7	419.8	425.9
Cd 226.502	-0.1127u	0.0025	-0.1890u
Co 228.615	0.0290	0.8651	0.2898
Cr 267.716	0.3372	0.3153	0.2894
Cu 324.754	0.1230	-0.1899u	0.3917
Fe 271.441	215.542	217.296	220.169
K 766.491	275.101	274.135	278.089
Mg 279.078	370.737	367.691	369.628
Mn 257.610	19.3367	19.0153	19.3639
Mo 202.032	-0.0591u	-0.7978u	-0.1711u
Na 330.237	1797.34	1874.26	1640.43
Ni 231.604	0.7634	1.7617	-0.4475u
Pb 220.353	1.0344	-1.0163u	-0.3290u
Sb 206.834	-0.2134u	-1.7100u	1.7721
Se 196.026	-2.6435u	-0.9833u	-5.6954u
Sn 189.925	-2.0248u	0.5436	-1.6867u
Sr 216.596	5.9384	5.3858	5.5695
Ti 334.941	1.8503	1.8681	1.8803
Tl 190.794	-2.7220u	-1.6939u	-4.6402u
V 292.401	0.4069	0.7321	0.4523
Zn 206.200	2.9108	3.2774	3.4754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2596	ppb	0.1865	71.9	-17.1538
Al 308.215	371.812	ppb	1.2610	0.3	1524.86
As 188.980	-3.5462	ppb	3.2878	92.7	-6.6686
B 249.678	-12.2372	ppb	0.2253	1.8	203.924
Ba 389.178	13.3563	ppb	0.5736	4.3	291.769
Be 313.042	0.0338	ppb	0.0031	9.0	-314.803
Ca 370.602	423.1	ppb	3.072	0.7	1304
Cd 226.502	-0.0997	ppb	0.0964	96.7	33.1434
Co 228.615	0.3947	ppb	0.4278	108.4	13.7135
Cr 267.716	0.3140	ppb	0.0239	7.6	22.0166
Cu 324.754	0.1083	ppb	0.2911	268.8	270.649
Fe 271.441	217.669	ppb	2.3362	1.1	504.418
K 766.491	275.775	ppb	2.0612	0.7	10725.9
Mg 279.078	369.352	ppb	1.5417	0.4	866.641
Mn 257.610	19.2386	ppb	0.1939	1.0	1301.32
Mo 202.032	-0.3427	ppb	0.3982	116.2	16.8440
Na 330.237	1770.67	ppb	119.174	6.7	148.591
Ni 231.604	0.6925	ppb	1.1063	159.8	-3.7682
Pb 220.353	-0.1036	ppb	1.0437	1007.1	31.0370
Sb 206.834	-0.0504	ppb	1.7467	3464.2	2.3039
Se 196.026	-3.1074	ppb	2.3900	76.9	10.0070
Sn 189.925	-1.0560	ppb	1.3955	132.2	-11.5740
Sr 216.596	5.6313	ppb	0.2814	5.0	86.3278
Ti 334.941	1.8662	ppb	0.0151	0.8	524.968
Tl 190.794	-3.0187	ppb	1.4954	49.5	-16.8742
V 292.401	0.5304	ppb	0.1761	33.2	4.9035
Zn 206.200	3.2212	ppb	0.2864	8.9	54129

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89876-b-4-e (Samp)

5/8/2013, 9:47:59 PM

Rack 2, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0924	0.0617	0.0787
Al 308.215	108.384	110.484	110.421
As 188.980	3.1183	-4.2796u	-1.2265u
B 249.678	-14.2545u	-13.8087u	-14.2496u
Ba 389.178	18.2206	16.9818	18.0920
Be 313.042	0.0170	0.0172	0.0139
Ca 370.602	1802	1811	1811
Cd 226.502	-0.0088	0.0645	-0.2467u
Co 228.615	1.5401	1.4442	1.6171
Cr 267.716	0.4439	0.3855	0.3961
Cu 324.754	0.2300	0.9352	0.6102
Fe 271.441	1024.41	1031.59	1029.10
K 766.491	489.541	490.116	491.852
Mg 279.078	963.601	958.754	970.332
Mn 257.610	81.7365	81.1835	81.3347
Mo 202.032	-0.7100u	-0.8057u	-0.6347u
Na 330.237	2318.72	2285.81	2322.99
Ni 231.604	2.6239	1.6408	3.3258
Pb 220.353	3.4786	1.7548	-1.3120u
Sb 206.834	0.9931	2.3896	1.4907
Se 196.026	-4.3807u	3.7197	6.5127
Sn 189.925	-0.9878u	-1.9261u	-0.2761u
Sr 216.596	9.0951	9.2839	9.5231
Ti 334.941	0.7437	0.8390	0.7435
Tl 190.794	0.0073u	-1.8453u	0.1500u
V 292.401	0.2001	0.3551	0.2425
Zn 206.200	4.5397	3.7656	4.1654

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0776	ppb	0.0154	19.8	-31.0532
Al 308.215	109.763	ppb	1.1947	1.1	475.302
As 188.980	-0.7959	ppb	3.7177	467.1	-5.3968
B 249.678	-14.1043	ppb	0.2560	1.8	178.458
Ba 389.178	17.7648	ppb	0.6811	3.8	392.950
Be 313.042	0.0160	ppb	0.0019	11.6	-347.113
Ca 370.602	1808	ppb	5.357	0.3	5513
Cd 226.502	-0.0637	ppb	0.1627	255.5	37.2810
Co 228.615	1.5338	ppb	0.0867	5.6	28.5272
Cr 267.716	0.4085	ppb	0.0312	7.6	27.3408
Cu 324.754	0.5918	ppb	0.3529	59.6	292.787
Fe 271.441	1028.37	ppb	3.6429	0.4	1967.09
K 766.491	490.503	ppb	1.2033	0.2	18845.8
Mg 279.078	964.229	ppb	5.8143	0.6	2203.79
Mn 257.610	81.4182	ppb	0.2858	0.4	5042.63
Mo 202.032	-0.7168	ppb	0.0857	12.0	13.8992
Na 330.237	2309.17	ppb	20.3473	0.9	175.841
Ni 231.604	2.5302	ppb	0.8464	33.5	1.7147
Pb 220.353	1.3071	ppb	2.4265	185.6	33.8655
Sb 206.834	1.6245	ppb	0.7078	43.6	4.3181
Se 196.026	1.9506	ppb	5.6581	290.1	12.7274
Sn 189.925	-1.0633	ppb	0.8276	77.8	-11.5802
Sr 216.596	9.3007	ppb	0.2145	2.3	132.225
Ti 334.941	0.7754	ppb	0.0551	7.1	203.244
Tl 190.794	-0.5626	ppb	1.1131	197.8	-14.4145
V 292.401	0.2659	ppb	0.0801	30.1	-2.5326
Zn 206.200	4.1569	ppb	0.3871	9.3	6.9737

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680-89876-b-5-e (Samp)                      5/8/2013, 9:53:24 PM                      Rack 2, Tube 8  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0108	-0.1489u	0.2547
Al 308.215	113.374	113.199	115.588
As 188.980	-1.8039u	-5.4282u	-2.7219u
B 249.678	-14.4516u	-13.8134u	-13.0941u
Ba 389.178	20.0863	19.1589	19.2926
Be 313.042	0.0176	0.0144	0.0231
Ca 370.602	6167	6209	6172
Cd 226.502	-0.1955u	0.0340	-0.0342
Co 228.615	9.1566	9.1254	8.7311
Cr 267.716	0.3069	0.2576	0.4635
Cu 324.754	0.3600	0.5722	0.8421
Fe 271.441	916.821	921.684	914.445
K 766.491	999.738	1003.63	1000.33
Mg 279.078	3063.72	3066.70	3063.78
Mn 257.610	580.464	577.756	573.435
Mo 202.032	-1.0017u	-0.7248u	-0.1253u
Na 330.237	2753.47	2646.66	2484.24
Ni 231.604	7.1964	8.0971	7.2934
Pb 220.353	0.4699	0.7606	1.7316
Sb 206.834	-1.9505u	4.7698	3.1223
Se 196.026	-3.4815u	4.3630	0.1365
Sn 189.925	-1.7384u	-1.0802u	-3.8592u
Sr 216.596	19.9397	20.6970	19.7785
Ti 334.941	0.5130	0.3713	0.4300
Tl 190.794	-1.1458u	0.7229u	-2.2697u
V 292.401	-0.0875u	-0.0093u	0.0934
Zn 206.200	5.4090	7.2556	6.7304

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0388	ppb	0.2033	523.2	-32.3093
Al 308.215	114.054	ppb	1.3316	1.2	492.507
As 188.980	-3.3180	ppb	1.8842	56.8	-6.5237
B 249.678	-13.7864	ppb	0.6791	4.9	182.757
Ba 389.178	19.5126	ppb	0.5013	2.6	437.191
Be 313.042	0.0184	ppb	0.0044	24.0	-341.607
Ca 370.602	6183	ppb	23.28	0.4	19031
Cd 226.502	-0.0653	ppb	0.1179	180.6	36.8821
Co 228.615	9.0043	ppb	0.2372	2.6	126.008
Cr 267.716	0.3427	ppb	0.1075	31.4	26.1930
Cu 324.754	0.5914	ppb	0.2416	40.9	292.747
Fe 271.441	917.650	ppb	3.6899	0.4	1768.58
K 766.491	1001.23	ppb	2.0969	0.2	38158.9
Mg 279.078	3064.73	ppb	1.7050	0.1	6919.80
Mn 257.610	577.218	ppb	3.5455	0.6	34862.7
Mo 202.032	-0.6173	ppb	0.4480	72.6	14.6771
Na 330.237	2628.12	ppb	135.568	5.2	192.261
Ni 231.604	7.5290	ppb	0.4944	6.6	16.5753
Pb 220.353	0.9874	ppb	0.6607	66.9	33.3501
Sb 206.834	1.9805	ppb	3.5026	176.9	4.7339
Se 196.026	0.3393	ppb	3.9261	1157.0	11.9966
Sn 189.925	-2.2259	ppb	1.4522	65.2	-12.7054
Sr 216.596	20.1384	ppb	0.4904	2.4	266.611
Ti 334.941	0.4381	ppb	0.0712	16.2	112.917
Tl 190.794	-0.8975	ppb	1.5117	168.4	-15.5126
V 292.401	-0.0011	ppb	0.0907	8180.0	-10.0952
Zn 206.200	6.4650	ppb	0.9515	14.7	10.5947

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680-89876-c-6-e (Samp)                      5/8/2013, 9:58:50 PM                      Rack 2, Tube 9  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0764u	0.2156	-0.2174u
Al 308.215	482.740	482.182	481.168
As 188.980	-5.6436u	-2.4105u	-1.3354u
B 249.678	-10.6651u	-10.6667u	-10.6330u
Ba 389.178	17.0531	17.3443	18.6096
Be 313.042	0.0428	0.0444	0.0391
Ca 370.602	1756	1740	1769
Cd 226.502	-0.0661u	-0.2867u	0.0813
Co 228.615	1.3173	1.2499	0.9034
Cr 267.716	0.4904	0.4561	0.3834
Cu 324.754	0.7915	0.5643	0.8115
Fe 271.441	766.253	762.834	767.562
K 766.491	538.483	538.833	538.294
Mg 279.078	860.776	860.038	866.289
Mn 257.610	105.411	106.129	106.427
Mo 202.032	-0.3596u	-0.4374u	-0.1721u
Na 330.237	2047.72	1830.34	1935.71
Ni 231.604	2.0722	1.1432	1.7758
Pb 220.353	3.1973	0.5242	-1.7112u
Sb 206.834	-0.8739u	0.1021	1.8899
Se 196.026	-3.9871u	-0.9787u	-1.9643u
Sn 189.925	-4.9366u	-0.3813u	-0.6177u
Sr 216.596	11.2477	11.1184	10.9633
Ti 334.941	3.0360	2.9564	2.8850
Tl 190.794	0.2344	0.0563u	-0.0524u
V 292.401	0.3287	0.6941	0.7854
Zn 206.200	4.2256	5.2200	4.2925

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0261	ppb	0.2208	846.6	-38.9991
Al 308.215	482.030	ppb	0.7972	0.2	1966.28
As 188.980	-3.1298	ppb	2.2424	71.6	-6.4705
B 249.678	-10.6550	ppb	0.0190	0.2	223.891
Ba 389.178	17.6690	ppb	0.8275	4.7	390.195
Be 313.042	0.0421	ppb	0.0027	6.4	-299.271
Ca 370.602	1755	ppb	14.46	0.8	5371
Cd 226.502	-0.0905	ppb	0.1853	204.7	35.3493
Co 228.615	1.1569	ppb	0.2221	19.2	23.6778
Cr 267.716	0.4433	ppb	0.0547	12.3	29.1577
Cu 324.754	0.7225	ppb	0.1373	19.0	298.641
Fe 271.441	765.550	ppb	2.4410	0.3	1492.91
K 766.491	538.537	ppb	0.2736	0.1	20662.1
Mg 279.078	862.368	ppb	3.4161	0.4	1974.12
Mn 257.610	105.989	ppb	0.5220	0.5	6519.70
Mo 202.032	-0.3231	ppb	0.1364	42.2	16.9663
Na 330.237	1937.92	ppb	108.709	5.6	156.883
Ni 231.604	1.6637	ppb	0.4745	28.5	-0.8675
Pb 220.353	0.6701	ppb	2.4575	366.7	32.6060
Sb 206.834	0.3727	ppb	1.4016	376.1	2.8241
Se 196.026	-2.3100	ppb	1.5337	66.4	10.4587
Sn 189.925	-1.9785	ppb	2.5645	129.6	-12.4680
Sr 216.596	11.1098	ppb	0.1424	1.3	154.485
Ti 334.941	2.9591	ppb	0.0756	2.6	852.653
Tl 190.794	0.0795	ppb	0.1448	182.2	-13.7577
V 292.401	0.6027	ppb	0.2417	40.1	6.9846
Zn 206.200	4.5794	ppb	0.5559	12.1	7.6099



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680-89876-c-7-d (Samp) 5/8/2013, 10:04:16 PM Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1602	-0.2308u	0.1239
Al 308.215	515.141	512.085	514.169
As 188.980	-4.0341u	2.7612	-2.0066u
B 249.678	-11.6889u	-11.4344u	-11.9872u
Ba 389.178	18.4619	18.7999	18.0548
Be 313.042	0.0643	0.0636	0.0641
Ca 370.602	4610	4632	4621
Cd 226.502	-0.1605u	-0.1435u	0.0380
Co 228.615	7.2975	8.0270	8.2705
Cr 267.716	0.4668	0.2311	0.3705
Cu 324.754	0.8858	1.2487	1.1005
Fe 271.441	1356.41	1361.40	1361.08
K 766.491	684.195	686.255	684.145
Mg 279.078	2118.43	2127.09	2124.55
Mn 257.610	544.518	552.157	553.925
Mo 202.032	-0.7950u	-0.3763u	-0.1831u
Na 330.237	2263.28	1939.18	2293.23
Ni 231.604	6.0375	6.7929	8.0178
Pb 220.353	-0.0579	-0.8285u	0.3293
Sb 206.834	6.8782	-2.0800u	2.2200
Se 196.026	11.5883	-5.3699u	-5.1067u
Sn 189.925	-0.5294u	-1.7087u	-0.5270u
Sr 216.596	17.2619	17.3483	17.4096
Ti 334.941	2.8863	2.9870	2.8862
Tl 190.794	-0.3089u	-1.6053u	-0.3255u
V 292.401	0.4748	0.4377	0.4275
Zn 206.200	7.7804	7.8852	8.7993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0178	ppb	0.2161	1216.3	-33.8941
Al 308.215	513.798	ppb	1.5615	0.3	2093.51
As 188.980	-1.0932	ppb	3.4885	319.1	-5.5142
B 249.678	-11.7035	ppb	0.2767	2.4	209.409
Ba 389.178	18.4389	ppb	0.3731	2.0	411.406
Be 313.042	0.0640	ppb	0.0004	0.6	-258.315
Ca 370.602	4621	ppb	10.77	0.2	14178
Cd 226.502	-0.0887	ppb	0.1100	124.1	37.4264
Co 228.615	7.8650	ppb	0.5064	6.4	111.198
Cr 267.716	0.3561	ppb	0.1185	33.3	26.8669
Cu 324.754	1.0783	ppb	0.1825	16.9	314.937
Fe 271.441	1359.63	ppb	2.7908	0.2	2565.72
K 766.491	684.865	ppb	1.2039	0.2	26195.5
Mg 279.078	2123.36	ppb	4.4526	0.2	4802.91
Mn 257.610	550.200	ppb	4.9997	0.9	33235.7
Mo 202.032	-0.4515	ppb	0.3128	69.3	15.9389
Na 330.237	2165.23	ppb	196.335	9.1	168.233
Ni 231.604	6.9494	ppb	0.9994	14.4	14.8626
Pb 220.353	-0.1857	ppb	0.5894	317.4	31.0083
Sb 206.834	2.3394	ppb	4.4803	191.5	5.1738
Se 196.026	0.3706	ppb	9.7157	2621.9	12.0092
Sn 189.925	-0.9217	ppb	0.6815	73.9	-11.4416
Sr 216.596	17.3399	ppb	0.0742	0.4	232.037
Ti 334.941	2.9198	ppb	0.0582	2.0	847.070
Tl 190.794	-0.7466	ppb	0.7437	99.6	-15.3371
V 292.401	0.4467	ppb	0.0249	5.6	2.6101
Zn 206.200	8.1550	ppb	0.5695	6.9	133027

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680-89876-c-8-d (Samp)                      5/8/2013, 10:09:42 PM                      Rack 2, Tube 11  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2438	-0.0407u	-0.0095u
Al 308.215	327.782	328.583	324.169
As 188.980	-0.0017	0.9275	4.6238
B 249.678	-12.0001u	-11.8594u	-12.0986u
Ba 389.178	19.6328	19.6977	19.8858
Be 313.042	0.0137	0.0116	0.0124
Ca 370.602	4182	4194	4163
Cd 226.502	-0.0682	-0.1091u	-0.1087u
Co 228.615	0.2067	0.2077	-0.0818u
Cr 267.716	0.6327	0.7549	0.5762
Cu 324.754	1.8207	2.8461	2.1592
Fe 271.441	946.557	960.485	952.671
K 766.491	1984.75	1987.36	1975.27
Mg 279.078	2252.03	2258.92	2244.58
Mn 257.610	4.8192	4.6437	4.7328
Mo 202.032	-0.8359u	-0.3251u	-0.0719u
Na 330.237	5255.47	5315.17	5436.02
Ni 231.604	0.7768	1.7144	0.8966
Pb 220.353	0.7918	0.8387	0.7416
Sb 206.834	-0.6238u	6.0151	3.6305
Se 196.026	-3.3927u	9.4776	5.1467
Sn 189.925	-0.4117u	-0.1911u	-1.9110u
Sr 216.596	33.2006	32.5654	32.7484
Ti 334.941	9.5186	9.3552	9.3733
Tl 190.794	-4.4868u	-0.7492u	-1.3263u
V 292.401	1.4092	1.5352	1.1426
Zn 206.200	1.2322	2.3369	2.5284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0645	ppb	0.1560	241.8	-33.5411
Al 308.215	326.844	ppb	2.3517	0.7	1344.75
As 188.980	1.8499	ppb	2.4468	132.3	-4.1586
B 249.678	-11.9861	ppb	0.1202	1.0	206.247
Ba 389.178	19.7388	ppb	0.1314	0.7	440.254
Be 313.042	0.0126	ppb	0.0011	8.6	-353.113
Ca 370.602	4180	ppb	15.78	0.4	12835
Cd 226.502	-0.0954	ppb	0.0235	24.6	35.7893
Co 228.615	0.1109	ppb	0.1668	150.5	10.2058
Cr 267.716	0.6546	ppb	0.0914	14.0	39.6019
Cu 324.754	2.2753	ppb	0.5225	23.0	369.100
Fe 271.441	953.238	ppb	6.9814	0.7	1831.34
K 766.491	1982.46	ppb	6.3594	0.3	75263.8
Mg 279.078	2251.84	ppb	7.1760	0.3	5101.04
Mn 257.610	4.7319	ppb	0.0878	1.9	434.664
Mo 202.032	-0.4110	ppb	0.3891	94.7	16.2727
Na 330.237	5335.55	ppb	91.9886	1.7	331.260
Ni 231.604	1.1293	ppb	0.5102	45.2	-2.4523
Pb 220.353	0.7907	ppb	0.0486	6.1	32.8135
Sb 206.834	3.0073	ppb	3.3631	111.8	5.9535
Se 196.026	3.7439	ppb	6.5488	174.9	13.6635
Sn 189.925	-0.8379	ppb	0.9359	111.7	-11.3593
Sr 216.596	32.8381	ppb	0.3270	1.0	423.564
Ti 334.941	9.4157	ppb	0.0896	1.0	2780.59
Tl 190.794	-2.1874	ppb	2.0121	92.0	-16.0117
V 292.401	1.3624	ppb	0.2004	14.7	28.5046
Zn 206.200	2.0325	ppb	0.6997	34.4	2.6213

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680-89876-b-9-d (Samp) 5/8/2013, 10:15:08 PM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4148	0.0002	0.0558
Al 308.215	598.960	600.677	596.842
As 188.980	-3.8681u	0.2625	-6.2221u
B 249.678	-12.3202u	-11.4460u	-12.7621u
Ba 389.178	18.6099	19.2388	19.0278
Be 313.042	0.1014	0.0917	0.0955
Ca 370.602	5187	5170	5158
Cd 226.502	-0.1001	-0.1174u	-0.1994u
Co 228.615	9.0361	9.1157	8.8058
Cr 267.716	0.4798	0.4214	0.3737
Cu 324.754	0.7688	1.5559	1.4758
Fe 271.441	1303.45	1306.18	1289.72
K 766.491	717.770	713.848	712.509
Mg 279.078	2370.03	2358.07	2347.25
Mn 257.610	582.504	580.801	579.840
Mo 202.032	-0.6017u	0.0288	-0.7944u
Na 330.237	2594.14	2546.10	2403.79
Ni 231.604	6.9595	7.0396	8.4504
Pb 220.353	1.5659	0.4953	-1.4666u
Sb 206.834	3.1674	2.3222	3.2412
Se 196.026	-3.8129u	-1.2021u	-2.5363u
Sn 189.925	-1.1527u	-4.6005u	-1.1967u
Sr 216.596	21.5758	21.6488	21.6793
Ti 334.941	2.2746	2.4198	2.3626
Tl 190.794	-1.3655u	1.1419	2.3174
V 292.401	0.1997	0.2635	0.1306
Zn 206.200	10.8167	12.1800	10.5357

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1570	ppb	0.2251	143.4	-23.2273
Al 308.215	598.826	ppb	1.9210	0.3	2434.06
As 188.980	-3.2759	ppb	3.2826	100.2	-6.5152
B 249.678	-12.1761	ppb	0.6698	5.5	203.309
Ba 389.178	18.9588	ppb	0.3201	1.7	423.541
Be 313.042	0.0962	ppb	0.0049	5.1	-199.082
Ca 370.602	5171	ppb	14.62	0.3	15882
Cd 226.502	-0.1390	ppb	0.0531	38.2	35.2466
Co 228.615	8.9859	ppb	0.1610	1.8	125.810
Cr 267.716	0.4249	ppb	0.0532	12.5	30.5484
Cu 324.754	1.2668	ppb	0.4332	34.2	323.471
Fe 271.441	1299.78	ppb	8.8257	0.7	2457.94
K 766.491	714.709	ppb	2.7338	0.4	27324.0
Mg 279.078	2358.45	ppb	11.3973	0.5	5330.99
Mn 257.610	581.049	ppb	1.3490	0.2	35091.4
Mo 202.032	-0.4558	ppb	0.4306	94.5	15.9090
Na 330.237	2514.68	ppb	98.9899	3.9	186.190
Ni 231.604	7.4831	ppb	0.8386	11.2	16.4481
Pb 220.353	0.1982	ppb	1.5379	776.0	31.7864
Sb 206.834	2.9102	ppb	0.5106	17.5	5.8489
Se 196.026	-2.5171	ppb	1.3055	51.9	10.4780
Sn 189.925	-2.3166	ppb	1.9780	85.4	-12.7940
Sr 216.596	21.6347	ppb	0.0532	0.2	285.178
Ti 334.941	2.3523	ppb	0.0732	3.1	679.280
Tl 190.794	0.6979	ppb	1.8812	269.5	-13.8634
V 292.401	0.1979	ppb	0.0665	33.6	-4.4473
Zn 206.200	11.1774	ppb	0.8795	7.9	18.0531

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Cont Calib Verif (CCV)                      5/8/2013, 10:20:33 PM                      Rack 2, Tube 13  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	504.106	503.107	500.449
Al 308.215	4921.38	4965.13	4921.24
As 188.980	505.043	514.433	525.589
B 249.678	490.043	499.353	497.821
Ba 389.178	5146.68	5195.78	5170.93
Be 313.042	518.896	525.125	519.984
Ca 370.602	5049	5106	5048
Cd 226.502	521.154	524.997	521.827
Co 228.615	526.284	530.701	526.170
Cr 267.716	5210.30	5265.41	5232.81
Cu 324.754	5208.97	5189.35	5253.03
Fe 271.441	4976.87	5046.28	5006.27
K 766.491	10187.5	10261.1	10251.2
Mg 279.078	5011.95	5053.35	5018.16
Mn 257.610	5327.33	5377.14	5384.26
Mo 202.032	499.724	507.869	503.408
Na 330.237	7419.33	7336.98	7351.90
Ni 231.604	2611.23	2628.08	2614.09
Pb 220.353	493.574	502.629	499.609
Sb 206.834	992.997	1000.86	990.240
Se 196.026	4939.00	4972.26	4937.37
Sn 189.925	5067.50	5115.32	5057.58
Sr 216.596	2542.27	2564.08	2543.70
Ti 334.941	499.843	504.455	502.507
Tl 190.794	5075.48	5118.94	5112.29
V 292.401	5010.25	5054.91	5028.96
Zn 206.200	2600.85	2633.70	2608.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.554	ppb	1.8905	0.4	38538.6	100.51079
Al 308.215	4935.92	ppb	25.2981	0.5	19788.9	98.71830
As 188.980	515.022	ppb	10.2858	2.0	232.157	103.00435
B 249.678	495.739	ppb	4.9920	1.0	6838.00	19.82955Q
Ba 389.178	5171.13	ppb	24.5511	0.5	115643	103.42258
Be 313.042	521.335	ppb	3.3267	0.6	955678	104.26698
Ca 370.602	5068	ppb	33.20	0.7	15528	101.35121
Cd 226.502	522.659	ppb	2.0521	0.4	20625.7	104.53190
Co 228.615	527.718	ppb	2.5837	0.5	6905.75	105.54368
Cr 267.716	5236.18	ppb	27.7091	0.5	267400	104.72354
Cu 324.754	5217.12	ppb	32.6109	0.6	236791	104.34236
Fe 271.441	5009.81	ppb	34.8372	0.7	9285.60	100.19616
K 766.491	10233.2	ppb	39.9370	0.4	387265	102.33237
Mg 279.078	5027.82	ppb	22.3260	0.4	11253.1	100.55642
Mn 257.610	5362.91	ppb	31.0182	0.6	322653	107.25819
Mo 202.032	503.667	ppb	4.0788	0.8	3915.64	100.73344
Na 330.237	7369.40	ppb	43.8732	0.6	410.411	98.25871
Ni 231.604	2617.80	ppb	9.0183	0.3	7777.86	104.71201
Pb 220.353	498.604	ppb	4.6102	0.9	1027.14	99.72081
Sb 206.834	994.699	ppb	5.5104	0.6	1240.94	99.46986
Se 196.026	4949.54	ppb	19.6879	0.4	2654.13	98.99090
Sn 189.925	5080.13	ppb	30.8769	0.6	4916.21	101.60265
Sr 216.596	2550.02	ppb	12.2040	0.5	31482.6	102.00069
Ti 334.941	502.268	ppb	2.3152	0.5	149468	100.45367
Tl 190.794	5102.24	ppb	23.4099	0.5	5379.42	102.04475
V 292.401	5031.37	ppb	22.4233	0.4	141742	100.62745
Zn 206.200	2614.24	ppb	17.2429	0.7	4099.41	104.56954

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Cont Calib Blank (CCB)                      5/8/2013, 10:25:58 PM                      Rack 2, Tube 14  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3457u	-0.3293u	-0.1011u
Al 308.215	2.4471	1.5834	-0.2179u
As 188.980	-2.4933u	2.6312	-7.6102u
B 249.678	-9.1523u	-10.8304u	-11.0116u
Ba 389.178	0.3288	0.6807	0.8198
Be 313.042	0.0002	-0.0053u	0.0067
Ca 370.602	-5.690u	-1.428u	0.7808
Cd 226.502	0.0339	-0.1541u	0.0315
Co 228.615	-0.3657u	-0.0686u	-0.1082u
Cr 267.716	-0.0086u	0.1607	0.0715
Cu 324.754	-0.4804u	0.0660	0.4780
Fe 271.441	-3.9284u	-0.9237u	-0.4269u
K 766.491	0.0487	-0.8916u	1.5028
Mg 279.078	2.7549	5.6421	1.4601
Mn 257.610	-0.3981u	-0.0433u	-0.0950u
Mo 202.032	-0.2431u	0.2831	0.1551
Na 330.237	-8.7338u	25.1833	114.738
Ni 231.604	0.5015	0.1132	-0.2363u
Pb 220.353	-0.1058u	1.5867	-0.9539u
Sb 206.834	5.0021	4.7333	1.8164
Se 196.026	0.8663	2.2657	5.1702
Sn 189.925	4.5227	-1.4648u	1.2418
Sr 216.596	-0.1443u	0.4199	0.5051
Ti 334.941	0.0328	-0.0354u	-0.0410u
Tl 190.794	-1.3236u	1.0641	-3.1698u
V 292.401	-0.4038u	0.0418	0.3547
Zn 206.200	-0.6649u	-0.5340u	-1.1341u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2587	ppb	0.1367	52.9	-56.8448	-0.25868
Al 308.215	1.2709	ppb	1.3597	107.0	40.8573	1.27086
As 188.980	-2.4908	ppb	5.1207	205.6	-6.1840	-2.49078
B 249.678	-10.3314	ppb	1.0252	9.9	229.120	-10.33142
Ba 389.178	0.6098	ppb	0.2531	41.5	5.5544	0.60977
Be 313.042	0.0005	ppb	0.0060	1093.5	-375.879	0.00055
Ca 370.602	-2.113	ppb	3.289	155.7	8.129	-2.11260
Cd 226.502	-0.0296	ppb	0.1078	364.5	35.1800	-0.02958
Co 228.615	-0.1808	ppb	0.1613	89.2	6.1336	-0.18084
Cr 267.716	0.0745	ppb	0.0847	113.6	9.6101	0.07454
Cu 324.754	0.0212	ppb	0.4808	2268.2	266.659	0.02120
Fe 271.441	-1.7596	ppb	1.8945	107.7	108.474	-1.75965
K 766.491	0.2200	ppb	1.2064	548.5	305.818	0.21995
Mg 279.078	3.2857	ppb	2.1409	65.2	43.7090	3.28571
Mn 257.610	-0.1788	ppb	0.1917	107.2	132.521	-0.17877
Mo 202.032	0.0650	ppb	0.2744	422.1	20.0187	0.06502
Na 330.237	43.7292	ppb	63.7911	145.9	60.0514	43.72919
Ni 231.604	0.1261	ppb	0.3691	292.6	-5.4575	0.12614
Pb 220.353	0.1757	ppb	1.2935	736.3	31.5825	0.17569
Sb 206.834	3.8506	ppb	1.7668	45.9	6.9137	3.85059
Se 196.026	2.7674	ppb	2.1954	79.3	13.1351	2.76738
Sn 189.925	1.4332	ppb	2.9983	209.2	-9.1608	1.43325
Sr 216.596	0.2602	ppb	0.3529	135.6	19.7423	0.26023
Ti 334.941	-0.0145	ppb	0.0411	282.4	-36.4157	-0.01454
Tl 190.794	-1.1431	ppb	2.1227	185.7	-14.8485	-1.14308
V 292.401	-0.0025	ppb	0.3812	15500.4	-10.2617	-0.00246
Zn 206.200	-0.7777	ppb	0.3155	398.8	0.9042	-0.77770

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680-89876-b-10-e (Samp)      5/8/2013, 10:31:23 PM      Rack 2, Tube 15  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1534u	0.0400	0.0483
Al 308.215	350.836	352.617	347.282
As 188.980	-1.4809u	-2.9274u	0.1285
B 249.678	-9.0030u	-8.8750u	-8.4639u
Ba 389.178	18.8875	19.3504	18.7574
Be 313.042	0.0246	0.0281	0.0301
Ca 370.602	4090	4092	4075
Cd 226.502	-0.1754u	-0.1470u	0.1803
Co 228.615	0.8072	0.4806	0.1255
Cr 267.716	0.5369	0.4561	0.6106
Cu 324.754	2.8376	1.8698	0.7933
Fe 271.441	1055.49	1059.15	1050.68
K 766.491	1807.62	1812.90	1808.44
Mg 279.078	2164.30	2167.80	2162.09
Mn 257.610	28.9771	28.7561	28.5598
Mo 202.032	-0.3293u	-0.3284u	-0.6890u
Na 330.237	4911.67	4788.52	4780.70
Ni 231.604	0.8767	1.0036	4.0760
Pb 220.353	-0.6681u	0.2674	2.6519
Sb 206.834	-0.1634u	1.5538	4.5535
Se 196.026	0.5989	-0.9494u	0.7064
Sn 189.925	2.1031	-0.0561u	-0.2128u
Sr 216.596	30.0492	30.2518	29.6451
Ti 334.941	8.8112	9.0921	8.6380
Tl 190.794	-0.3169u	0.1700	-0.5752u
V 292.401	1.1651	1.5548	1.5397
Zn 206.200	2.7456	2.6136	3.3964

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0217	ppb	0.1141	526.1	-39.9207
Al 308.215	350.245	ppb	2.7163	0.8	1438.47
As 188.980	-1.4266	ppb	1.5287	107.2	-5.6697
B 249.678	-8.7806	ppb	0.2817	3.2	248.017
Ba 389.178	18.9985	ppb	0.3117	1.6	423.622
Be 313.042	0.0276	ppb	0.0028	10.1	-325.544
Ca 370.602	4086	ppb	9.729	0.2	12538
Cd 226.502	-0.0474	ppb	0.1976	417.3	38.0185
Co 228.615	0.4711	ppb	0.3410	72.4	14.8865
Cr 267.716	0.5346	ppb	0.0773	14.5	33.5970
Cu 324.754	1.8336	ppb	1.0226	55.8	349.096
Fe 271.441	1055.11	ppb	4.2503	0.4	2015.17
K 766.491	1809.65	ppb	2.8378	0.2	68729.1
Mg 279.078	2164.73	ppb	2.8806	0.1	4904.71
Mn 257.610	28.7643	ppb	0.2088	0.7	1879.66
Mo 202.032	-0.4489	ppb	0.2079	46.3	15.9730
Na 330.237	4826.96	ppb	73.4590	1.5	305.085
Ni 231.604	1.9855	ppb	1.8116	91.2	0.0959
Pb 220.353	0.7504	ppb	1.7119	228.1	32.7400
Sb 206.834	1.9813	ppb	2.3873	120.5	4.7392
Se 196.026	0.1187	ppb	0.9265	780.7	11.7362
Sn 189.925	0.6114	ppb	1.2942	211.7	-9.9540
Sr 216.596	29.9820	ppb	0.3089	1.0	388.275
Ti 334.941	8.8471	ppb	0.2291	2.6	2611.01
Tl 190.794	-0.2407	ppb	0.3784	157.2	-13.9945
V 292.401	1.4199	ppb	0.2207	15.5	30.1388
Zn 206.200	2.9185	ppb	0.4191	14.4	5.0272

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680-89942-b-1-g (Samp)                      5/8/2013, 10:36:48 PM                      Rack 2, Tube 16  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0404	0.5035	0.2077
Al 308.215	198.046	194.326	201.114
As 188.980	-1.1202u	0.8959	-4.2796u
B 249.678	-11.2477u	-11.5113u	-10.9189u
Ba 389.178	19.9653	19.2863	18.4132
Be 313.042	0.0060	0.0097	0.0083
Ca 370.602	4973	4950	4965
Cd 226.502	-0.0346	-0.0242	0.1911
Co 228.615	-0.0476u	0.0766	0.5131
Cr 267.716	0.5299	0.4393	0.6505
Cu 324.754	1.5124	1.4143	1.0586
Fe 271.441	888.948	876.412	879.037
K 766.491	2222.52	2206.86	2210.72
Mg 279.078	2603.51	2594.97	2602.48
Mn 257.610	4.0508	4.0298	4.0087
Mo 202.032	0.0271	-0.3245u	-0.2554u
Na 330.237	6266.51	6135.40	6073.37
Ni 231.604	0.8527	0.1001	0.4426
Pb 220.353	1.1504	3.4319	3.2452
Sb 206.834	5.7295	1.0647	4.1284
Se 196.026	2.6865	-0.9984u	9.0632
Sn 189.925	1.0484	0.3926	-0.0193u
Sr 216.596	39.4567	38.8526	40.2735
Ti 334.941	5.9721	5.7876	5.9839
Tl 190.794	-4.3826u	0.0292u	-0.5361u
V 292.401	1.2689	0.9374	1.4601
Zn 206.200	5.8016	6.1709	5.9030

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2505	ppb	0.2345	93.6	-19.5539
Al 308.215	197.829	ppb	3.3992	1.7	828.046
As 188.980	-1.5013	ppb	2.6087	173.8	-5.6959
B 249.678	-11.2259	ppb	0.2968	2.6	216.280
Ba 389.178	19.2216	ppb	0.7781	4.0	429.475
Be 313.042	0.0080	ppb	0.0018	23.0	-361.362
Ca 370.602	4963	ppb	11.65	0.2	15256
Cd 226.502	0.0441	ppb	0.1274	289.1	41.0323
Co 228.615	0.1807	ppb	0.2945	163.0	11.0109
Cr 267.716	0.5399	ppb	0.1059	19.6	33.7321
Cu 324.754	1.3284	ppb	0.2388	18.0	326.151
Fe 271.441	881.466	ppb	6.6115	0.8	1701.87
K 766.491	2213.37	ppb	8.1575	0.4	83995.5
Mg 279.078	2600.32	ppb	4.6601	0.2	5884.86
Mn 257.610	4.0298	ppb	0.0210	0.5	393.345
Mo 202.032	-0.1843	ppb	0.1863	101.1	18.0354
Na 330.237	6158.43	ppb	98.6080	1.6	373.557
Ni 231.604	0.4651	ppb	0.3768	81.0	-4.4287
Pb 220.353	2.6092	ppb	1.2667	48.5	36.4443
Sb 206.834	3.6409	ppb	2.3703	65.1	6.6993
Se 196.026	3.5838	ppb	5.0904	142.0	13.5774
Sn 189.925	0.4739	ppb	0.5385	113.6	-10.0863
Sr 216.596	39.5276	ppb	0.7131	1.8	506.348
Ti 334.941	5.9146	ppb	0.1101	1.9	1740.24
Tl 190.794	-1.6298	ppb	2.4007	147.3	-15.4169
V 292.401	1.2222	ppb	0.2645	21.6	24.4624
Zn 206.200	5.9585	ppb	0.1998	3.2	9.7929

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680-89942-b-2-e (Samp)                      5/8/2013, 10:42:12 PM                      Rack 2, Tube 17  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1970u	-0.1140u	-0.1875u
Al 308.215	188.161	196.608	197.125
As 188.980	3.5004	-7.2160u	-2.6343u
B 249.678	-14.6260u	-14.6439u	-14.6076u
Ba 389.178	14.4409	14.1126	14.2568
Be 313.042	0.0145	0.0182	0.0060
Ca 370.602	1037	1054	1050
Cd 226.502	-0.0711u	0.0002	-0.2337u
Co 228.615	0.8234	0.6011	-0.0287u
Cr 267.716	0.7876	0.8055	0.7554
Cu 324.754	0.6671	0.2926	1.1261
Fe 271.441	322.634	325.016	322.628
K 766.491	283.298	283.951	283.500
Mg 279.078	729.609	735.617	738.813
Mn 257.610	90.5346	90.0942	89.9032
Mo 202.032	-0.4699u	-0.3124u	-0.6397u
Na 330.237	2572.40	2805.69	2826.20
Ni 231.604	2.2017	3.0554	2.5412
Pb 220.353	1.6900	2.3811	2.1279
Sb 206.834	4.0784	0.4985	1.1383
Se 196.026	-1.4632u	1.3996	2.8603
Sn 189.925	-0.8281u	0.2902	-1.1935u
Sr 216.596	10.3263	10.5407	10.6390
Ti 334.941	3.0537	3.0033	3.0116
Tl 190.794	-1.3393u	-0.7599u	-1.5401u
V 292.401	0.4414	0.2661	0.2651
Zn 206.200	1.9050	3.2909	1.4842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1662	ppb	0.0454	27.3	-49.8146
Al 308.215	193.965	ppb	5.0332	2.6	812.557
As 188.980	-2.1166	ppb	5.3769	254.0	-6.0058
B 249.678	-14.6258	ppb	0.0181	0.1	172.558
Ba 389.178	14.2701	ppb	0.1645	1.2	313.275
Be 313.042	0.0129	ppb	0.0063	48.5	-353.082
Ca 370.602	1047	ppb	8.533	0.8	3222
Cd 226.502	-0.1015	ppb	0.1199	118.1	33.4318
Co 228.615	0.4653	ppb	0.4420	95.0	14.6698
Cr 267.716	0.7828	ppb	0.0254	3.2	46.3291
Cu 324.754	0.6953	ppb	0.4174	60.0	297.293
Fe 271.441	323.426	ppb	1.3769	0.4	695.215
K 766.491	283.583	ppb	0.3343	0.1	11021.1
Mg 279.078	734.680	ppb	4.6732	0.6	1687.20
Mn 257.610	90.1773	ppb	0.3238	0.4	5568.22
Mo 202.032	-0.4740	ppb	0.1637	34.5	15.8201
Na 330.237	2734.76	ppb	140.988	5.2	198.049
Ni 231.604	2.5994	ppb	0.4298	16.5	1.9041
Pb 220.353	2.0664	ppb	0.3496	16.9	35.3843
Sb 206.834	1.9051	ppb	1.9091	100.2	4.6324
Se 196.026	0.9322	ppb	2.1993	235.9	12.1817
Sn 189.925	-0.5771	ppb	0.7730	133.9	-11.1089
Sr 216.596	10.5020	ppb	0.1599	1.5	146.649
Ti 334.941	3.0228	ppb	0.0270	0.9	870.875
Tl 190.794	-1.2131	ppb	0.4051	33.4	-15.0774
V 292.401	0.3242	ppb	0.1015	31.3	-0.9224
Zn 206.200	2.2267	ppb	0.9454	42.5	3.8578



E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89942-b-3-e (Samp) 5/8/2013, 10:47:37 PM Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2922	-0.3460u	-0.1239u
Al 308.215	199.493	197.169	196.446
As 188.980	1.5199	-0.9115u	-5.0551u
B 249.678	-14.7915u	-15.6332u	-15.5537u
Ba 389.178	15.0769	15.2823	15.1429
Be 313.042	0.0088	0.0198	0.0181
Ca 370.602	1169	1153	1154
Cd 226.502	-0.0852u	-0.1649u	-0.1638u
Co 228.615	-0.0181u	0.0414	0.1146
Cr 267.716	0.8882	0.7541	1.0772
Cu 324.754	0.7911	0.5097	0.5321
Fe 271.441	346.755	329.196	324.932
K 766.491	253.537	249.651	247.265
Mg 279.078	747.669	734.911	733.277
Mn 257.610	18.8583	18.8596	18.5571
Mo 202.032	-0.4352u	-0.2614u	-0.3767u
Na 330.237	2788.06	2716.29	2684.71
Ni 231.604	0.9654	1.0903	1.2980
Pb 220.353	1.3558	0.2073	-1.2093u
Sb 206.834	1.0971	1.1776	1.2850
Se 196.026	-6.4337u	2.1103	-9.2479u
Sn 189.925	-0.8749u	-2.9063u	0.6314
Sr 216.596	11.0905	10.5870	10.5721
Ti 334.941	2.8289	3.0650	3.0559
Tl 190.794	-1.9816u	-1.6513u	-1.7138u
V 292.401	0.4499	0.1456	0.2867
Zn 206.200	0.3770	3.3427	1.6572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0593	ppb	0.3240	546.8	-41.9276
Al 308.215	197.703	ppb	1.5924	0.8	827.528
As 188.980	-1.4822	ppb	3.3245	224.3	-5.7127
B 249.678	-15.3261	ppb	0.4647	3.0	163.393
Ba 389.178	15.1674	ppb	0.1049	0.7	333.358
Be 313.042	0.0156	ppb	0.0059	37.9	-348.129
Ca 370.602	1159	ppb	9.235	0.8	3564
Cd 226.502	-0.1380	ppb	0.0457	33.1	32.0242
Co 228.615	0.0460	ppb	0.0665	144.5	9.1974
Cr 267.716	0.9065	ppb	0.1623	17.9	52.3256
Cu 324.754	0.6110	ppb	0.1564	25.6	293.475
Fe 271.441	333.627	ppb	11.5667	3.5	713.549
K 766.491	250.151	ppb	3.1658	1.3	9756.91
Mg 279.078	738.619	ppb	7.8798	1.1	1697.27
Mn 257.610	18.7583	ppb	0.1743	0.9	1273.54
Mo 202.032	-0.3578	ppb	0.0884	24.7	16.7210
Na 330.237	2729.69	ppb	52.9621	1.9	197.788
Ni 231.604	1.1179	ppb	0.1680	15.0	-2.5008
Pb 220.353	0.1179	ppb	1.2849	1089.7	31.4750
Sb 206.834	1.1866	ppb	0.0943	7.9	3.7820
Se 196.026	-4.5238	ppb	5.9151	130.8	9.2517
Sn 189.925	-1.0499	ppb	1.7754	169.1	-11.5674
Sr 216.596	10.7499	ppb	0.2951	2.7	149.762
Ti 334.941	2.9833	ppb	0.1338	4.5	859.114
Tl 190.794	-1.7823	ppb	0.1754	9.8	-15.5712
V 292.401	0.2941	ppb	0.1523	51.8	-1.7795
Zn 206.200	1.7923	ppb	1.4875	83.0	2.1746

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89942-b-4-i (Samp)                      5/8/2013, 10:53:02 PM                      Rack 2, Tube 19  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1001u	-0.4418u	-0.1992u
Al 308.215	1.7768	3.1988	4.6449
As 188.980	-10.2046u	-11.1736u	-15.9891u
B 249.678	-20.8409u	-20.9114u	-20.5595u
Ba 389.178	0.1865	1.0361	0.6128
Be 313.042	0.0009	-0.0125u	0.0038
Ca 370.602	7.126	12.50	4.410
Cd 226.502	0.0617	0.0378	0.0197
Co 228.615	-0.0209u	0.4027	0.3521
Cr 267.716	0.2672	0.0833	0.1728
Cu 324.754	-0.9278u	-0.2223u	-0.0839u
Fe 271.441	-2.3196u	-2.4267u	0.3184
K 766.491	4.1169	3.3149	3.0645
Mg 279.078	-2.5547u	0.7386	4.2981
Mn 257.610	0.1632	0.1045	0.1854
Mo 202.032	-0.2403u	-0.7010u	-0.8491u
Na 330.237	268.358	282.612	208.415
Ni 231.604	-0.2351u	-0.0063u	1.6328
Pb 220.353	2.5950	1.6295	1.8911
Sb 206.834	-1.3978u	-0.8650u	4.2687
Se 196.026	1.5311	5.6545	-11.2135u
Sn 189.925	-3.2184u	-3.0243u	1.2710
Sr 216.596	0.2068	0.6130	0.3639
Ti 334.941	-0.0633u	-0.0493u	-0.1141u
Tl 190.794	-1.6380u	-2.4134u	-2.4019u
V 292.401	-0.0293u	-0.0838u	-0.1310u
Zn 206.200	0.9630	-0.1946u	-0.1853u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2470	ppb	0.1758	71.2	-55.9649
Al 308.215	3.2068	ppb	1.4341	44.7	48.5433
As 188.980	-12.4558	ppb	3.0980	24.9	-10.7751
B 249.678	-20.7706	ppb	0.1862	0.9	92.6569
Ba 389.178	0.6118	ppb	0.4248	69.4	5.5890
Be 313.042	-0.0026	ppb	0.0087	336.2	-381.525
Ca 370.602	8.013	ppb	4.118	51.4	39.43
Cd 226.502	0.0398	ppb	0.0211	53.0	37.9047
Co 228.615	0.2446	ppb	0.2313	94.6	11.7152
Cr 267.716	0.1745	ppb	0.0920	52.7	14.7178
Cu 324.754	-0.4113	ppb	0.4526	110.0	247.031
Fe 271.441	-1.4760	ppb	1.5549	105.3	109.052
K 766.491	3.4988	ppb	0.5498	15.7	429.806
Mg 279.078	0.8273	ppb	3.4273	414.3	38.1758
Mn 257.610	0.1511	ppb	0.0418	27.7	152.349
Mo 202.032	-0.5968	ppb	0.3175	53.2	14.8859
Na 330.237	253.128	ppb	39.3731	15.6	70.7966
Ni 231.604	0.4638	ppb	1.0189	219.7	-4.4536
Pb 220.353	2.0386	ppb	0.4993	24.5	35.3040
Sb 206.834	0.6686	ppb	3.1291	468.0	3.1523
Se 196.026	-1.3427	ppb	8.7935	654.9	10.9421
Sn 189.925	-1.6572	ppb	2.5378	153.1	-12.1579
Sr 216.596	0.3946	ppb	0.2049	51.9	21.4259
Ti 334.941	-0.0756	ppb	0.0341	45.1	-54.6062
Tl 190.794	-2.1511	ppb	0.4444	20.7	-15.9149
V 292.401	-0.0813	ppb	0.0509	62.6	-12.3492
Zn 206.200	0.1944	ppb	0.6656	342.5	0.6254

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680-89942-b-4-iSD^5 (Samp) 5/8/2013, 10:58:37 PM Rack 2, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0086u	0.2048	-0.1759u
Al 308.215	2.6773	3.9778	3.1571
As 188.980	-4.7460u	-2.6114u	2.7913
B 249.678	-20.2751u	-20.0320u	-20.7175u
Ba 389.178	-0.2336u	-0.0462u	0.0613
Be 313.042	-0.0109u	-0.0091u	0.0025
Ca 370.602	0.8735	3.378	3.966
Cd 226.502	0.1216	0.0908	-0.1955u
Co 228.615	-0.1366u	0.2850	0.4777
Cr 267.716	0.0614	0.0284	0.1809
Cu 324.754	0.2152	0.9276	0.6987
Fe 271.441	-0.8545u	-7.2510u	-4.5780u
K 766.491	1.4778	1.3963	1.2142
Mg 279.078	-1.3924u	-0.8706u	4.6039
Mn 257.610	0.5257	0.1811	0.3897
Mo 202.032	-0.8515u	-0.2323u	-0.0931u
Na 330.237	253.897	185.991	7.3080
Ni 231.604	1.4188	0.6955	0.5054
Pb 220.353	0.8808	-0.0642u	0.8737
Sb 206.834	-0.2900u	4.1654	0.8915
Se 196.026	-1.7370u	-9.4998u	2.1081
Sn 189.925	1.1030	-0.9159u	-3.0921u
Sr 216.596	0.6603	0.2697	0.0431
Ti 334.941	-0.0713u	-0.1044u	-0.0229u
Tl 190.794	-2.5824u	-1.9554u	1.3386
V 292.401	-0.1639u	-0.1979u	0.0661
Zn 206.200	-0.9341u	-0.5211u	-0.6576u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0067	ppb	0.1908	2831.3	-36.4416
Al 308.215	3.2708	ppb	0.6577	20.1	48.8071
As 188.980	-1.5220	ppb	3.8850	255.2	-5.7375
B 249.678	-20.3415	ppb	0.3475	1.7	98.2667
Ba 389.178	-0.0728	ppb	0.1492	204.9	-9.7198
Be 313.042	-0.0058	ppb	0.0073	125.2	-387.472
Ca 370.602	2.739	ppb	1.642	60.0	23.21
Cd 226.502	0.0056	ppb	0.1749	3107.8	36.5601
Co 228.615	0.2087	ppb	0.3142	150.5	11.2432
Cr 267.716	0.0902	ppb	0.0802	88.9	10.4166
Cu 324.754	0.6138	ppb	0.3637	59.3	293.513
Fe 271.441	-4.2278	ppb	3.2126	76.0	104.083
K 766.491	1.3627	ppb	0.1350	9.9	349.032
Mg 279.078	0.7803	ppb	3.3216	425.7	38.0665
Mn 257.610	0.3655	ppb	0.1736	47.5	165.241
Mo 202.032	-0.3923	ppb	0.4037	102.9	16.4718
Na 330.237	149.065	ppb	127.374	85.4	65.4602
Ni 231.604	0.8732	ppb	0.4819	55.2	-3.2362
Pb 220.353	0.5635	ppb	0.5436	96.5	32.3580
Sb 206.834	1.5890	ppb	2.3082	145.3	4.2417
Se 196.026	-3.0429	ppb	5.9131	194.3	10.0349
Sn 189.925	-0.9683	ppb	2.0980	216.7	-11.4898
Sr 216.596	0.3244	ppb	0.3122	96.3	20.5503
Ti 334.941	-0.0662	ppb	0.0410	62.0	-51.8138
Tl 190.794	-1.0664	ppb	2.1062	197.5	-14.7675
V 292.401	-0.0986	ppb	0.1436	145.7	-12.8468
Zn 206.200	-0.7042	ppb	0.2104	29.8	-0.7887

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680-89942-b-4-iPDS (Samp) 5/8/2013, 11:04:03 PM Rack 2, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0354u	-0.0228u	-0.0479u
Al 308.215	-0.8271u	2.9711	-0.9565u
As 188.980	-1.3192u	-1.1409u	-1.1074u
B 249.678	-21.0320u	-21.5844u	-20.4455u
Ba 389.178	0.4725	0.5584	-0.2333u
Be 313.042	-0.0072u	-0.0131u	0.0080
Ca 370.602	9.206	4.342	8.261
Cd 226.502	-0.0510u	-0.0040u	-0.2294u
Co 228.615	0.2916	-0.1411u	0.2216
Cr 267.716	0.2666	0.2410	0.4336
Cu 324.754	0.3666	0.0393	-0.7089u
Fe 271.441	-1.8484u	-7.5429u	-14.5682u
K 766.491	4.3779	3.2480	3.1251
Mg 279.078	3.9867	2.6242	1.1602
Mn 257.610	0.3346	0.0794	-0.1125u
Mo 202.032	-0.9133u	-0.5707u	-0.4156u
Na 330.237	86.7899	28.9208	9.2393
Ni 231.604	0.1060	-0.0435u	0.1174
Pb 220.353	0.0839	-0.8310u	0.8991
Sb 206.834	0.3672	-3.4449u	-2.0481u
Se 196.026	-6.5656u	0.0921	0.5183
Sn 189.925	-6.5173u	-2.2539u	-2.1593u
Sr 216.596	0.7059	-0.0135u	0.3506
Ti 334.941	-0.0642u	-0.0472u	-0.0444u
Tl 190.794	-4.2305u	-1.3526u	0.4724
V 292.401	-0.2980u	-0.2644u	0.2514
Zn 206.200	0.4875	1.1120	0.3145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0354	ppb	0.0125	35.4	-39.6857
Al 308.215	0.3958	ppb	2.2312	563.7	37.2976
As 188.980	-1.1892	ppb	0.1139	9.6	-5.5841
B 249.678	-21.0206	ppb	0.5695	2.7	89.3963
Ba 389.178	0.2659	ppb	0.4344	163.4	-2.1481
Be 313.042	-0.0041	ppb	0.0109	266.9	-384.260
Ca 370.602	7.270	ppb	2.579	35.5	37.61
Cd 226.502	-0.0948	ppb	0.1189	125.4	32.5882
Co 228.615	0.1241	ppb	0.2323	187.2	10.1403
Cr 267.716	0.3137	ppb	0.1046	33.3	21.8286
Cu 324.754	-0.1010	ppb	0.5513	545.9	261.103
Fe 271.441	-7.9865	ppb	6.3715	79.8	97.2877
K 766.491	3.5837	ppb	0.6905	19.3	433.016
Mg 279.078	2.5904	ppb	1.4136	54.6	42.1401
Mn 257.610	0.1005	ppb	0.2243	223.2	149.310
Mo 202.032	-0.6332	ppb	0.2547	40.2	14.6036
Na 330.237	41.6500	ppb	40.3119	96.8	59.9358
Ni 231.604	0.0600	ppb	0.0898	149.6	-5.6543
Pb 220.353	0.0507	ppb	0.8655	1708.6	31.3338
Sb 206.834	-1.7086	ppb	1.9286	112.9	0.3315
Se 196.026	-1.9851	ppb	3.9725	200.1	10.5993
Sn 189.925	-3.6435	ppb	2.4893	68.3	-14.0843
Sr 216.596	0.3477	ppb	0.3597	103.5	20.8452
Ti 334.941	-0.0519	ppb	0.0107	20.6	-47.5457
Tl 190.794	-1.7036	ppb	2.3710	139.2	-15.4411
V 292.401	-0.1037	ppb	0.3079	297.0	-13.0150
Zn 206.200	0.6380	ppb	0.4195	405.8	58.3226

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Cont Calib Verif (CCV) 5/8/2013, 11:09:29 PM Rack 2, Tube 25  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	502.541	499.352	493.787
Al 308.215	4925.95	4904.60	4912.43
As 188.980	502.408	483.963	506.344
B 249.678	489.261	488.088	493.915
Ba 389.178	5142.58	5130.05	5141.37
Be 313.042	521.733	518.065	518.942
Ca 370.602	5051	5021	5029
Cd 226.502	519.508	515.526	517.429
Co 228.615	525.263	520.788	523.261
Cr 267.716	5196.27	5175.78	5183.60
Cu 324.754	5213.94	5268.46	5182.93
Fe 271.441	4983.25	4952.79	4963.20
K 766.491	10167.9	10189.6	10132.9
Mg 279.078	4991.09	4969.55	4978.72
Mn 257.610	5297.98	5285.67	5271.24
Mo 202.032	501.934	499.128	501.854
Na 330.237	7229.97	7171.81	7204.01
Ni 231.604	2600.40	2593.07	2594.90
Pb 220.353	499.556	492.267	492.791
Sb 206.834	985.434	976.177	989.604
Se 196.026	4917.29	4896.80	4913.84
Sn 189.925	5035.70	4998.75	5024.86
Sr 216.596	2534.00	2520.73	2542.42
Ti 334.941	498.436	496.522	498.136
Tl 190.794	5063.46	5031.74	5040.20
V 292.401	5001.30	4967.30	4983.17
Zn 206.200	2596.47	2582.53	2596.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.560	ppb	4.4301	0.9	38232.1	99.71195
Al 308.215	4914.33	ppb	10.8009	0.2	19702.7	98.28658
As 188.980	497.572	ppb	11.9486	2.4	224.118	99.51431
B 249.678	490.421	ppb	3.0818	0.6	6768.55	19.61686Q
Ba 389.178	5138.00	ppb	6.9090	0.1	114902	102.76005
Be 313.042	519.580	ppb	1.9159	0.4	952461	103.91598
Ca 370.602	5034	ppb	15.59	0.3	15424	100.67265
Cd 226.502	517.488	ppb	1.9917	0.4	20422.0	103.49760
Co 228.615	523.104	ppb	2.2413	0.4	6845.44	104.62077
Cr 267.716	5185.22	ppb	10.3376	0.2	264797	103.70434
Cu 324.754	5221.78	ppb	43.3009	0.8	237002	104.43555
Fe 271.441	4966.41	ppb	15.4813	0.3	9206.23	99.32829
K 766.491	10163.5	ppb	28.5792	0.3	384626	101.63454
Mg 279.078	4979.79	ppb	10.8075	0.2	11146.0	99.59573
Mn 257.610	5284.96	ppb	13.3833	0.3	317966	105.69926
Mo 202.032	500.972	ppb	1.5976	0.3	3894.83	100.19441
Na 330.237	7201.93	ppb	29.1317	0.4	402.042	96.02573
Ni 231.604	2596.12	ppb	3.8136	0.1	7713.41	103.84497
Pb 220.353	494.871	ppb	4.0658	0.8	1019.68	98.97428
Sb 206.834	983.738	ppb	6.8719	0.7	1227.51	98.37384
Se 196.026	4909.31	ppb	10.9695	0.2	2632.65	98.18622
Sn 189.925	5019.77	ppb	18.9909	0.4	4857.67	100.39539
Sr 216.596	2532.38	ppb	10.9344	0.4	31265.0	101.29520
Ti 334.941	497.698	ppb	1.0293	0.2	148108	99.53963
Tl 190.794	5045.13	ppb	16.4233	0.3	5319.06	100.90269
V 292.401	4983.92	ppb	17.0149	0.3	140404	99.67850
Zn 206.200	2591.94	ppb	8.1537	0.3	4064.43	103.67764

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Cont Calib Blank (CCB) 5/8/2013, 11:14:54 PM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4632	-0.0162u	0.2906
Al 308.215	-0.8307u	1.6797	0.9407
As 188.980	-5.3420u	-1.6235u	-3.2347u
B 249.678	-10.2009u	-10.3173u	-10.9128u
Ba 389.178	-0.6285u	0.6527	0.0486
Be 313.042	-0.0013u	-0.0064u	0.0033
Ca 370.602	3.116	-4.613u	-3.104u
Cd 226.502	0.2011	-0.0825u	0.0063
Co 228.615	-0.1768u	0.4639	0.5802
Cr 267.716	0.0786	0.1686	0.2015
Cu 324.754	-0.8939u	-0.8100u	0.0017
Fe 271.441	-3.0524u	-5.5900u	-7.1505u
K 766.491	-0.2085u	-0.3503u	-1.0422u
Mg 279.078	-0.6230u	4.8019	-1.8677u
Mn 257.610	-0.1806u	-0.0228u	-0.0682u
Mo 202.032	-0.2596u	0.3071	-0.6069u
Na 330.237	155.333	38.4265	345.458
Ni 231.604	0.8762	0.1181	-0.3169u
Pb 220.353	4.7313	0.0313	0.8011
Sb 206.834	6.6944	6.1267	3.9330
Se 196.026	-1.4884u	-9.3583u	-4.5951u
Sn 189.925	-2.2172u	-1.0517u	-1.8119u
Sr 216.596	0.2617	0.3806	0.2292
Ti 334.941	0.0335	0.0200	-0.0412u
Tl 190.794	3.0092	-0.7440u	-3.1237u
V 292.401	0.1201	0.0388	-0.2209u
Zn 206.200	-1.3613u	0.3942	-0.3714u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2459	ppb	0.2428	98.8	-18.0653	0.24586
Al 308.215	0.5965	ppb	1.2901	216.3	38.1247	0.59654
As 188.980	-3.4001	ppb	1.8647	54.8	-6.6029	-3.40007
B 249.678	-10.4770	ppb	0.3819	3.6	227.224	-10.47697
Ba 389.178	0.0243	ppb	0.6409	2639.8	-7.5509	0.02428
Be 313.042	-0.0015	ppb	0.0048	334.2	-379.507	-0.00145
Ca 370.602	-1.534	ppb	4.097	267.1	10.28	-1.53364
Cd 226.502	0.0416	ppb	0.1451	348.7	37.9650	0.04160
Co 228.615	0.2891	ppb	0.4077	141.0	12.2827	0.28907
Cr 267.716	0.1496	ppb	0.0636	42.5	13.4444	0.14960
Cu 324.754	-0.5674	ppb	0.4946	87.2	239.962	-0.56739
Fe 271.441	-5.2643	ppb	2.0684	39.3	102.226	-5.26432
K 766.491	-0.5337	ppb	0.4460	83.6	277.320	-0.53368
Mg 279.078	0.7704	ppb	3.5464	460.3	38.0521	0.77039
Mn 257.610	-0.0906	ppb	0.0812	89.7	137.816	-0.09055
Mo 202.032	-0.1865	ppb	0.4614	247.4	18.0685	-0.18646
Na 330.237	179.739	ppb	154.964	86.2	67.0326	179.73938
Ni 231.604	0.2258	ppb	0.6038	267.4	-5.1614	0.22577
Pb 220.353	1.8546	ppb	2.5209	135.9	34.9358	1.85459
Sb 206.834	5.5847	ppb	1.4583	26.1	8.9758	5.58474
Se 196.026	-5.1473	ppb	3.9639	77.0	8.9119	-5.14726
Sn 189.925	-1.6936	ppb	0.5917	34.9	-12.1932	-1.69357
Sr 216.596	0.2905	ppb	0.0797	27.4	20.1278	0.29051
Ti 334.941	0.0041	ppb	0.0398	967.1	-30.8888	0.00411
Tl 190.794	-0.2862	ppb	3.0920	1080.5	-13.9410	-0.28615
V 292.401	-0.0207	ppb	0.1781	860.2	-10.7122	-0.02071
Zn 206.200	-0.4462	ppb	0.8892	197.3	0.3831	-0.44618

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**mb 680-275301/1-a (Samp)**      **5/8/2013, 11:20:19 PM**      **Rack 2, Tube 27**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1519u	-0.1583u	0.0872
Al 308.215	68.4238	73.2129	67.4949
As 188.980	-6.5429u	1.7142	0.0461
B 249.678	-15.8548u	-15.5007u	-15.2465u
Ba 389.178	0.5829	0.7015	0.3429
Be 313.042	-0.0055u	-0.0048u	0.0022
Ca 370.602	108.0	115.5	115.7
Cd 226.502	-0.0418u	-0.0363u	-0.1991u
Co 228.615	-0.0882u	-0.1175u	0.1638
Cr 267.716	1.2555	1.2338	1.0948
Cu 324.754	0.8488	1.3729	0.8347
Fe 271.441	18.7962	15.5911	6.1718
K 766.491	13.2652	13.3275	13.1275
Mg 279.078	321.670	319.686	322.180
Mn 257.610	0.3733	0.3942	0.2643
Mo 202.032	-0.2930u	0.4471	0.2769
Na 330.237	78.4391	185.341	297.520
Ni 231.604	0.5469	1.2089	-0.1131u
Pb 220.353	1.0165	-0.5276u	-0.3693u
Sb 206.834	1.7018	-0.8610u	8.8440
Se 196.026	7.7619	5.3976	8.3316
Sn 189.925	10.3185	11.1335	10.4602
Sr 216.596	0.5390	0.5168	0.6425
Ti 334.941	0.3569	0.2623	0.3477
Tl 190.794	0.6711	-2.1053u	-0.5139u
V 292.401	-0.0833u	0.1443	-0.1682u
Zn 206.200	0.7925	3.0948	2.0784

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0743	ppb	0.1399	188.3	-42.6846
Al 308.215	69.7105	ppb	3.0685	4.4	314.955
As 188.980	-1.5942	ppb	4.3661	273.9	-5.7701
B 249.678	-15.5340	ppb	0.3055	2.0	161.090
Ba 389.178	0.5424	ppb	0.1827	33.7	4.8744
Be 313.042	-0.0027	ppb	0.0042	156.6	-381.826
Ca 370.602	113.1	ppb	4.368	3.9	362.4
Cd 226.502	-0.0924	ppb	0.0925	100.0	32.7612
Co 228.615	-0.0140	ppb	0.1546	1106.1	8.3218
Cr 267.716	1.1947	ppb	0.0872	7.3	66.8303
Cu 324.754	1.0188	ppb	0.3068	30.1	311.894
Fe 271.441	13.5197	ppb	6.5622	48.5	136.065
K 766.491	13.2401	ppb	0.1024	0.8	798.171
Mg 279.078	321.179	ppb	1.3174	0.4	758.670
Mn 257.610	0.3439	ppb	0.0698	20.3	164.834
Mo 202.032	0.1437	ppb	0.3876	269.8	20.6281
Na 330.237	187.100	ppb	109.551	58.6	67.3817
Ni 231.604	0.5476	ppb	0.6610	120.7	-4.2041
Pb 220.353	0.0399	ppb	0.8495	2130.3	31.3128
Sb 206.834	3.2283	ppb	5.0294	155.8	6.1928
Se 196.026	7.1637	ppb	1.5558	21.7	15.4812
Sn 189.925	10.6374	ppb	0.4355	4.1	-0.2344
Sr 216.596	0.5661	ppb	0.0671	11.9	23.5425
Ti 334.941	0.3223	ppb	0.0522	16.2	65.3537
Tl 190.794	-0.6494	ppb	1.3932	214.5	-14.3276
V 292.401	-0.0357	ppb	0.1616	452.4	-11.2432
Zn 206.200	1.9885	ppb	1.1538	58.0	24480

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ics 680-275301/2-a (Samp) 5/8/2013, 11:25:44 PM Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	51.9773	51.5130	52.2860
Al 308.215	5053.97	5035.20	5048.89
As 188.980	103.856	102.264	109.117
B 249.678	177.785	176.379	178.207
Ba 389.178	106.056	105.390	106.456
Be 313.042	53.9803	53.6990	53.9243
Ca 370.602	5088	5062	5072
Cd 226.502	54.2801	53.6892	54.1922
Co 228.615	53.5132	53.7047	54.0445
Cr 267.716	108.762	108.540	108.634
Cu 324.754	107.865	107.597	109.610
Fe 271.441	5081.56	5054.38	5061.31
K 766.491	5101.54	5032.85	5066.05
Mg 279.078	5108.56	5085.67	5092.91
Mn 257.610	554.085	547.164	549.727
Mo 202.032	103.514	102.080	102.456
Na 330.237	5059.31	4955.81	4988.61
Ni 231.604	105.606	107.159	107.955
Pb 220.353	51.8457	52.8406	55.4792
Sb 206.834	53.0802	52.9680	49.7105
Se 196.026	98.8621	102.233	104.806
Sn 189.925	216.526	208.095	213.356
Sr 216.596	105.020	104.109	104.736
Ti 334.941	102.690	101.946	102.416
Tl 190.794	38.0742	40.2586	38.2159
V 292.401	103.917	102.817	103.493
Zn 206.200	110.094	108.812	109.298

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9254	ppb	0.3891	0.7	3953.51
Al 308.215	5046.02	ppb	9.7100	0.2	20253.8
As 188.980	105.079	ppb	3.5866	3.4	43.3584
B 249.678	177.457	ppb	0.9570	0.5	2677.32
Ba 389.178	105.967	ppb	0.5382	0.5	2381.77
Be 313.042	53.8679	ppb	0.1489	0.3	98417.4
Ca 370.602	5074	ppb	12.96	0.3	15300
Cd 226.502	54.0538	ppb	0.3188	0.6	2180.99
Co 228.615	53.7541	ppb	0.2691	0.5	709.137
Cr 267.716	108.645	ppb	0.1116	0.1	5557.12
Cu 324.754	108.357	ppb	1.0929	1.0	5181.88
Fe 271.441	5065.75	ppb	14.1233	0.3	9260.16
K 766.491	5066.82	ppb	34.3526	0.7	191898
Mg 279.078	5095.71	ppb	11.6976	0.2	11487.3
Mn 257.610	550.326	ppb	3.4993	0.6	33254.1
Mo 202.032	102.683	ppb	0.7436	0.7	815.467
Na 330.237	5001.24	ppb	52.8951	1.1	310.493
Ni 231.604	106.907	ppb	1.1945	1.1	312.157
Pb 220.353	53.3885	ppb	1.8777	3.5	137.853
Sb 206.834	51.9196	ppb	1.9139	3.7	64.2173
Se 196.026	101.967	ppb	2.9809	2.9	66.2461
Sn 189.925	212.659	ppb	4.2586	2.0	195.692
Sr 216.596	104.621	ppb	0.4662	0.4	1306.95
Ti 334.941	102.351	ppb	0.3760	0.4	30452.7
Tl 190.794	38.8496	ppb	1.2223	3.1	26.3765
V 292.401	103.409	ppb	0.5547	0.5	2885.94
Zn 206.200	109.401	ppb	0.6475	0.6	172.730



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680-89890-a-1-a (Samp) 5/8/2013, 11:31:09 PM Rack 2, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1124	0.7378	0.5262
Al 308.215	166855	168117	168900
As 188.980	195.844	191.483	199.431
B 249.678	170.656	169.017	168.831
Ba 389.178	1491.73	1491.82	1495.38
Be 313.042	28.8311	28.8534	28.9411
Ca 370.602	697921	699273	701478
Cd 226.502	9.4916	9.4526	9.3688
Co 228.615	32.9762	32.9259	32.9804
Cr 267.716	247.169	247.086	246.834
Cu 324.754	455.367	461.819	458.103
Fe 271.441	177408	177630	177886
K 766.491	29630.7	29532.1	29792.2
Mg 279.078	121511	121615	121799
Mn 257.610	13118.4	12946.2	12885.2
Mo 202.032	10.0251	10.0412	10.5262
Na 330.237	4537.89	4719.64	4098.29
Ni 231.604	59.5992	57.1208	57.9759
Pb 220.353	430.358	428.378	432.355
Sb 206.834	-1.2312	5.1110	12.5073
Se 196.026	-9.4430u	-3.9201	-5.6593
Sn 189.925	70.4885	69.4782	69.2809
Sr 216.596	1237.22	1238.84	1239.41
Ti 334.941	3244.38	3244.93	3247.29
Tl 190.794	21.9636u	15.9045u	16.8216u
V 292.401	338.067	337.210	338.548
Zn 206.200	1391.69	1394.21	1382.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4588	ppb	0.3181	69.3	-1.0779
Al 308.215	167957	ppb	1031.39	0.6	672719
As 188.980	195.586	ppb	3.9804	2.0	89.1646
B 249.678	169.501	ppb	1.0041	0.6	2347.18
Ba 389.178	1492.98	ppb	2.0802	0.1	33926.2
Be 313.042	28.8752	ppb	0.0582	0.2	52816.8
Ca 370.602	699557	ppb	1796	0.3	2144974
Cd 226.502	9.4377	ppb	0.0627	0.7	1006.39
Co 228.615	32.9608	ppb	0.0303	0.1	527.889
Cr 267.716	247.030	ppb	0.1742	0.1	12730.1
Cu 324.754	458.429	ppb	3.2385	0.7	21097.1
Fe 271.441	177641	ppb	238.773	0.1	320584
K 766.491	29651.7	ppb	131.355	0.4	1121568
Mg 279.078	121642	ppb	145.780	0.1	273391
Mn 257.610	12983.3	ppb	120.939	0.9	781343
Mo 202.032	10.1975	ppb	0.2848	2.8	88.3458
Na 330.237	4451.94	ppb	319.469	7.2	161.082
Ni 231.604	58.2320	ppb	1.2589	2.2	171.576
Pb 220.353	430.364	ppb	1.9883	0.5	895.477
Sb 206.834	5.4623	ppb	6.8760	125.9	16.6795
Se 196.026	-6.3408	ppb	2.8238	44.5	12.7837
Sn 189.925	69.7492	ppb	0.6478	0.9	57.4337
Sr 216.596	1238.49	ppb	1.1348	0.1	15497.3
Ti 334.941	3245.53	ppb	1.5472	0.0	966461
Tl 190.794	18.2299	ppb	3.2658	17.9	-23.5038
V 292.401	337.941	ppb	0.6777	0.2	9575.02
Zn 206.200	1389.36	ppb	6.3502	0.5	2205.76

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89890-a-1-aSD^5 (Samp) 5/8/2013, 11:36:34 PM Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0787	-0.2092u	-0.1341u
Al 308.215	35406.9	35488.4	35611.1
As 188.980	43.3828	36.1835	40.6624
B 249.678	24.5054	24.9836	24.7529
Ba 389.178	329.644	328.517	330.147
Be 313.042	6.4199	6.4354	6.4323
Ca 370.602	152667	153480	154312
Cd 226.502	1.7354	1.9126	1.6703
Co 228.615	6.9928	7.8911	7.2033
Cr 267.716	55.7949	55.6437	55.6230
Cu 324.754	95.1169	95.8194	95.6126
Fe 271.441	40339.4	40421.8	40327.7
K 766.491	5162.28	5173.61	5144.59
Mg 279.078	26599.3	26630.4	26638.5
Mn 257.610	2950.05	2936.40	2913.48
Mo 202.032	1.3909	2.3344	1.8698
Na 330.237	1152.31	945.584	1125.24
Ni 231.604	15.4939	13.2796	15.5255
Pb 220.353	97.5227	101.045	98.2704
Sb 206.834	2.9737	4.6606	-0.4477
Se 196.026	-3.8468u	-1.1678	0.4708
Sn 189.925	13.5990	13.1703	15.0471
Sr 216.596	281.222	279.080	280.888
Ti 334.941	733.337	730.333	728.995
Tl 190.794	4.8780u	0.6320u	-0.0597u
V 292.401	75.5109	75.5638	74.8668
Zn 206.200	319.309	321.135	316.260

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0882	ppb	0.1493	169.3	-43.4943
Al 308.215	35502.1	ppb	102.780	0.3	142224
As 188.980	40.0763	ppb	3.6353	9.1	14.3185
B 249.678	24.7473	ppb	0.2391	1.0	634.773
Ba 389.178	329.436	ppb	0.8348	0.3	7480.83
Be 313.042	6.4292	ppb	0.0082	0.1	11466.3
Ca 370.602	153486	ppb	822.5	0.5	470525
Cd 226.502	1.7728	ppb	0.1254	7.1	242.149
Co 228.615	7.3624	ppb	0.4698	6.4	124.684
Cr 267.716	55.6872	ppb	0.0939	0.2	2874.42
Cu 324.754	95.5163	ppb	0.3610	0.4	4606.88
Fe 271.441	40363.0	ppb	51.3080	0.1	72928.1
K 766.491	5160.16	ppb	14.6282	0.3	195428
Mg 279.078	26622.8	ppb	20.6921	0.1	59862.1
Mn 257.610	2933.31	ppb	18.4782	0.6	176637
Mo 202.032	1.8650	ppb	0.4717	25.3	31.6507
Na 330.237	1074.38	ppb	112.359	10.5	84.5142
Ni 231.604	14.7663	ppb	1.2877	8.7	39.0411
Pb 220.353	98.9460	ppb	1.8557	1.9	229.872
Sb 206.834	2.3955	ppb	2.6028	108.7	6.9746
Se 196.026	-1.5146	ppb	2.1796	143.9	11.8772
Sn 189.925	13.9388	ppb	0.9835	7.1	3.0423
Sr 216.596	280.397	ppb	1.1525	0.4	3520.96
Ti 334.941	730.888	ppb	2.2235	0.3	217617
Tl 190.794	1.8168	ppb	2.6736	147.2	-18.3558
V 292.401	75.3138	ppb	0.3880	0.5	2126.18
Zn 206.200	318.901	ppb	2.4633	0.8	506.497

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89890-a-1-aPDS (Samp) 5/8/2013, 11:42:10 PM Rack 2, Tube 31****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.2333	49.4766	48.3186
Al 308.215	166141	165406	166652
As 188.980	2263.34	2214.51	2240.12
B 249.678	1120.87	1123.96	1128.04
Ba 389.178	3312.38	3298.85	3302.40
Be 313.042	75.0636	74.6610	74.8761
Ca 370.602	685757	684047	687452
Cd 226.502	54.4449	54.7453	54.6780
Co 228.615	494.220	490.913	490.353
Cr 267.716	427.465	425.920	426.067
Cu 324.754	703.846	694.804	694.348
Fe 271.441	174146	173652	174038
K 766.491	35566.2	35474.2	35289.9
Mg 279.078	123500	123068	123236
Mn 257.610	13002.5	13035.0	12850.7
Mo 202.032	476.273	473.377	475.213
Na 330.237	9726.33	9804.67	9653.99
Ni 231.604	505.516	499.492	500.058
Pb 220.353	857.367	854.078	858.078
Sb 206.834	468.007	469.563	471.472
Se 196.026	1895.60	1905.42	1902.63
Sn 189.925	975.702	966.577	971.274
Sr 216.596	1670.40	1666.75	1665.48
Ti 334.941	4072.32	4053.13	4048.29
Tl 190.794	1758.01	1753.47	1759.75
V 292.401	786.222	783.371	783.031
Zn 206.200	1797.50	1786.29	1799.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.0095	ppb	0.6106	1.2	3715.13
Al 308.215	166067	ppb	626.426	0.4	665183
As 188.980	2239.32	ppb	24.4282	1.1	1030.63
B 249.678	1124.29	ppb	3.5989	0.3	14833.2
Ba 389.178	3304.55	ppb	7.0113	0.2	74432.3
Be 313.042	74.8669	ppb	0.2015	0.3	137088
Ca 370.602	685752	ppb	1703	0.2	2102825
Cd 226.502	54.6227	ppb	0.1577	0.3	2772.75
Co 228.615	491.829	ppb	2.0900	0.4	6522.39
Cr 267.716	426.484	ppb	0.8524	0.2	21891.6
Cu 324.754	697.666	ppb	5.3567	0.8	31951.3
Fe 271.441	173945	ppb	260.054	0.1	313996
K 766.491	35443.4	ppb	140.692	0.4	1340582
Mg 279.078	123268	ppb	217.718	0.2	277047
Mn 257.610	12962.7	ppb	98.3328	0.8	780107
Mo 202.032	474.954	ppb	1.4650	0.3	3692.40
Na 330.237	9728.33	ppb	75.3614	0.8	424.572
Ni 231.604	501.689	ppb	3.3266	0.7	1490.03
Pb 220.353	856.508	ppb	2.1343	0.2	1745.05
Sb 206.834	469.680	ppb	1.7355	0.4	562.297
Se 196.026	1901.22	ppb	5.0609	0.3	1030.64
Sn 189.925	971.184	ppb	4.5635	0.5	931.648
Sr 216.596	1667.55	ppb	2.5556	0.2	20771.8
Ti 334.941	4057.91	ppb	12.7125	0.3	1208235
Tl 190.794	1757.08	ppb	3.2392	0.2	1816.73
V 292.401	784.208	ppb	1.7523	0.2	22093.0
Zn 206.200	1794.39	ppb	7.0766	0.4	2842.31

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89890-a-1-b ms (Samp) 5/8/2013, 11:47:36 PM Rack 2, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.1788	52.6837	52.5494
Al 308.215	166114	165804	165410
As 188.980	345.290	349.769	359.527
B 249.678	202.885	201.643	202.319
Ba 389.178	834.971	837.869	835.105
Be 313.042	66.0974	66.1508	65.9693
Ca 370.602	224134	224351	225207
Cd 226.502	54.1959	54.6455	54.9375
Co 228.615	107.808	109.443	109.275
Cr 267.716	542.318	544.601	544.051
Cu 324.754	355.319	356.144	351.089
Fe 271.441	291564	292323	291810
K 766.491	16712.4	16644.3	16624.0
Mg 279.078	43448.4	43513.5	43501.1
Mn 257.610	5704.07	5769.74	5776.96
Mo 202.032	108.102	107.907	108.637
Na 330.237	7990.36	7994.29	7926.28
Ni 231.604	207.595	208.914	212.217
Pb 220.353	346.224	347.607	343.483
Sb 206.834	34.9918	25.1972	30.5305
Se 196.026	89.6238	93.9854	96.4460
Sn 189.925	216.511	217.472	218.542
Sr 216.596	570.106	573.762	572.550
Ti 334.941	1830.73	1836.66	1833.99
Tl 190.794	44.0853	41.2584	54.1703
V 292.401	571.990	573.274	572.022
Zn 206.200	882.186	888.843	887.324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.8040	ppb	0.3315	0.6	4025.38
Al 308.215	165776	ppb	352.701	0.2	663989
As 188.980	351.529	ppb	7.2801	2.1	156.398
B 249.678	202.282	ppb	0.6219	0.3	2626.17
Ba 389.178	835.982	ppb	1.6359	0.2	19196.5
Be 313.042	66.0725	ppb	0.0933	0.1	120868
Ca 370.602	224564	ppb	567.1	0.3	670149
Cd 226.502	54.5929	ppb	0.3735	0.7	3165.98
Co 228.615	108.842	ppb	0.8997	0.8	1469.33
Cr 267.716	543.657	ppb	1.1914	0.2	27870.7
Cu 324.754	354.184	ppb	2.7120	0.8	16401.5
Fe 271.441	291899	ppb	387.291	0.1	526718
K 766.491	16660.2	ppb	46.2856	0.3	630300
Mg 279.078	43487.7	ppb	34.5578	0.1	97753.7
Mn 257.610	5750.26	ppb	40.1591	0.7	346257
Mo 202.032	108.215	ppb	0.3782	0.3	841.973
Na 330.237	7970.31	ppb	38.1796	0.5	298.894
Ni 231.604	209.575	ppb	2.3810	1.1	624.260
Pb 220.353	345.772	ppb	2.0988	0.6	725.403
Sb 206.834	30.2398	ppb	4.9038	16.2	51.4021
Se 196.026	93.3517	ppb	3.4550	3.7	64.8504
Sn 189.925	217.508	ppb	1.0159	0.5	200.495
Sr 216.596	572.139	ppb	1.8624	0.3	7247.57
Ti 334.941	1833.80	ppb	2.9683	0.2	545963
Tl 190.794	46.5047	ppb	6.7875	14.6	11.0787
V 292.401	572.429	ppb	0.7323	0.1	16138.6
Zn 206.200	886.117	ppb	3.4888	0.4	1425.24

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89890-a-1-c msd (Samp) 5/8/2013, 11:53:02 PM Rack 2, Tube 33****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.1275	53.6795	53.2307
Al 308.215	158541	157808	157787
As 188.980	575.912	578.846	588.624
B 249.678	168.425	166.411	169.358
Ba 389.178	640.991	636.262	640.537
Be 313.042	63.9181	63.7184	63.9597
Ca 370.602	151685	151383	151526
Cd 226.502	54.2050	54.2864	54.9447
Co 228.615	109.003	109.638	110.009
Cr 267.716	896.066	892.324	896.430
Cu 324.754	332.522	333.157	331.695
Fe 271.441	445650	441745	446202
K 766.491	14941.9	14822.5	14898.4
Mg 279.078	31444.2	31310.7	31411.1
Mn 257.610	4694.79	4662.85	4726.32
Mo 202.032	111.607	111.614	110.649
Na 330.237	8286.94	8060.21	8391.08
Ni 231.604	209.123	204.504	206.225
Pb 220.353	305.850	307.445	302.936
Sb 206.834	26.7202	25.6819	31.6493
Se 196.026	87.6529	92.1700	79.9875
Sn 189.925	217.232	217.354	218.035
Sr 216.596	468.551	474.038	470.676
Ti 334.941	1637.06	1632.40	1638.25
Tl 190.794	39.2317	34.9480	42.2206
V 292.401	644.340	641.893	645.623
Zn 206.200	911.729	904.031	916.887

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.3459	ppb	0.2934	0.6	4067.13
Al 308.215	158045	ppb	429.210	0.3	633024
As 188.980	581.127	ppb	6.6563	1.1	260.429
B 249.678	168.064	ppb	1.5061	0.9	1979.13
Ba 389.178	639.263	ppb	2.6091	0.4	14977.4
Be 313.042	63.8654	ppb	0.1290	0.2	116788
Ca 370.602	151532	ppb	150.9	0.1	432701
Cd 226.502	54.4787	ppb	0.4056	0.7	3673.40
Co 228.615	109.550	ppb	0.5085	0.5	1468.02
Cr 267.716	894.940	ppb	2.2725	0.3	45844.0
Cu 324.754	332.458	ppb	0.7330	0.2	15457.0
Fe 271.441	444532	ppb	2429.51	0.5	802067
K 766.491	14887.6	ppb	60.4296	0.4	563269
Mg 279.078	31388.6	ppb	69.5317	0.2	70590.9
Mn 257.610	4694.65	ppb	31.7361	0.7	282856
Mo 202.032	111.290	ppb	0.5552	0.5	857.467
Na 330.237	8246.08	ppb	169.177	2.1	237.404
Ni 231.604	206.617	ppb	2.3339	1.1	619.061
Pb 220.353	305.410	ppb	2.2867	0.7	644.491
Sb 206.834	28.0171	ppb	3.1881	11.4	56.9401
Se 196.026	86.6034	ppb	6.1587	7.1	61.9413
Sn 189.925	217.540	ppb	0.4326	0.2	200.485
Sr 216.596	471.088	ppb	2.7667	0.6	6061.17
Ti 334.941	1635.90	ppb	3.0887	0.2	487029
Tl 190.794	38.8001	ppb	3.6555	9.4	-3.7508
V 292.401	643.952	ppb	1.8948	0.3	18133.7
Zn 206.200	910.882	ppb	6.4696	0.7	1479.80

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89890-a-2-a (Samp) 5/8/2013, 11:58:28 PM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4293u	-0.9373u	-0.7146u
Al 308.215	137991	137887	137623
As 188.980	107.637	103.424	97.2880
B 249.678	-12.9734u	-13.2892u	-13.8318u
Ba 389.178	291.682	292.068	290.958
Be 313.042	3.0026	2.9983	3.0109
Ca 370.602	30887	30890	30883
Cd 226.502	-1.2607	-1.1551	-0.8586
Co 228.615	21.5075	22.2651	21.6946
Cr 267.716	422.289	422.276	422.161
Cu 324.754	39.6676	39.5780	40.4594
Fe 271.441	241405	241521	241109
K 766.491	7016.00	7023.66	7062.55
Mg 279.078	11009.0	11009.2	10989.3
Mn 257.610	152.825	152.712	154.248
Mo 202.032	5.3537	4.1813	4.2171
Na 330.237	1425.67u	1684.29u	1674.29u
Ni 231.604	78.6024	78.3430	77.4254
Pb 220.353	74.5179	78.7756	77.9987
Sb 206.834	0.6572	5.3118	-2.5217
Se 196.026	-6.7022u	-6.4257u	-6.3199u
Sn 189.925	16.1635	17.2326	15.5176
Sr 216.596	125.898	126.893	125.333
Ti 334.941	255.039	255.194	255.693
Tl 190.794	-3.3851u	-0.8933u	-4.6625u
V 292.401	358.375	358.502	358.787
Zn 206.200	157.229	158.494	159.401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6937	ppb	0.2547	36.7	-93.4640
Al 308.215	137834	ppb	189.554	0.1	552069
As 188.980	102.783	ppb	5.2041	5.1	40.6938
B 249.678	-13.3648	ppb	0.4342	3.2	-126.220
Ba 389.178	291.569	ppb	0.5638	0.2	6871.08
Be 313.042	3.0040	ppb	0.0064	0.2	5137.81
Ca 370.602	30887	ppb	3.501	0.0	76255
Cd 226.502	-1.0915	ppb	0.2085	19.1	802.947
Co 228.615	21.8224	ppb	0.3947	1.8	292.873
Cr 267.716	422.242	ppb	0.0709	0.0	21630.5
Cu 324.754	39.9016	ppb	0.4851	1.2	2136.80
Fe 271.441	241345	ppb	212.031	0.1	435502
K 766.491	7034.07	ppb	24.9582	0.4	266289
Mg 279.078	11002.5	ppb	11.4229	0.1	24783.8
Mn 257.610	153.262	ppb	0.8563	0.6	9562.24
Mo 202.032	4.5841	ppb	0.6668	14.5	41.3623
Na 330.237	1594.75	ppb	146.511	9.2	14.8198
Ni 231.604	78.1236	ppb	0.6184	0.8	232.199
Pb 220.353	77.0974	ppb	2.2674	2.9	188.010
Sb 206.834	1.1491	ppb	3.9398	342.9	15.1497
Se 196.026	-6.4826	ppb	0.1974	3.0	9.7720
Sn 189.925	16.3046	ppb	0.8661	5.3	5.2696
Sr 216.596	126.041	ppb	0.7895	0.6	1690.93
Ti 334.941	255.308	ppb	0.3419	0.1	76037.8
Tl 190.794	-2.9803	ppb	1.9169	64.3	-29.9894
V 292.401	358.555	ppb	0.2110	0.1	10097.8
Zn 206.200	158.374	ppb	1.0999	0.7	274.629

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680-89890-a-3-a (Samp) 5/9/2013, 12:03:54 AM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.4315u	-2.9244u	-2.4246u
Al 308.215	119350	119356	119103
As 188.980	231.488	238.048	224.359
B 249.678	-26.8618u	-26.4226u	-26.2354u
Ba 389.178	653.135	653.788	654.026
Be 313.042	21.9382	21.9295	21.9465
Ca 370.602	126793	127214	126868
Cd 226.502	25.9977	25.7982	25.9251
Co 228.615	111.371	112.559	112.001
Cr 267.716	591.855	590.897	591.814
Cu 324.754	91.6891	91.5551	91.7329
Fe 271.441	278323	277725	278542
K 766.491	7700.12	7706.01	7769.92
Mg 279.078	15694.7	15698.9	15675.1
Mn 257.610	11236.3	11166.8	11218.7
Mo 202.032	7.4185	7.5106	7.3293
Na 330.237	1022.62u	1003.08u	998.114u
Ni 231.604	422.806	420.308	423.557
Pb 220.353	173.192	172.846	172.637
Sb 206.834	6.7597	2.5866	3.9927
Se 196.026	-15.9700u	-14.4411u	-16.9375u
Sn 189.925	15.7987	14.4127	17.2928
Sr 216.596	288.439	289.496	288.530
Ti 334.941	325.072	324.964	325.866
Tl 190.794	21.5234u	24.0454u	21.4825u
V 292.401	527.097	525.630	528.146
Zn 206.200	2174.17	2173.82	2171.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5935	ppb	0.2866	11.1	-194.947
Al 308.215	119270	ppb	144.213	0.1	477717
As 188.980	231.298	ppb	6.8467	3.0	100.368
B 249.678	-26.5066	ppb	0.3215	1.2	-346.249
Ba 389.178	653.650	ppb	0.4610	0.1	15029.3
Be 313.042	21.9380	ppb	0.0085	0.0	39890.2
Ca 370.602	126958	ppb	224.2	0.2	370028
Cd 226.502	25.9070	ppb	0.1010	0.4	1989.37
Co 228.615	111.977	ppb	0.5944	0.5	1470.55
Cr 267.716	591.522	ppb	0.5415	0.1	30333.7
Cu 324.754	91.6590	ppb	0.0926	0.1	4492.08
Fe 271.441	278197	ppb	422.667	0.2	501998
K 766.491	7725.35	ppb	38.7151	0.5	292430
Mg 279.078	15689.6	ppb	12.6802	0.1	35150.7
Mn 257.610	11207.3	ppb	36.1339	0.3	674322
Mo 202.032	7.4195	ppb	0.0906	1.2	61.0300
Na 330.237	1007.94	ppb	12.9539	1.3	-49.4749
Ni 231.604	422.224	ppb	1.7013	0.4	1256.18
Pb 220.353	172.892	ppb	0.2803	0.2	381.697
Sb 206.834	4.4463	ppb	2.1232	47.8	22.1803
Se 196.026	-15.7829	ppb	1.2587	8.0	7.9768
Sn 189.925	15.8347	ppb	1.4404	9.1	4.8598
Sr 216.596	288.822	ppb	0.5860	0.2	3725.84
Ti 334.941	325.301	ppb	0.4924	0.2	96893.4
Tl 190.794	22.3504	ppb	1.4680	6.6	-22.1138
V 292.401	526.958	ppb	1.2641	0.2	14846.6
Zn 206.200	2173.20	ppb	1.3874	0.1	3449.36

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680-89890-a-4-a (Samp) 5/9/2013, 12:09:20 AM Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.2250u	-2.3292u	-2.1354u
Al 308.215	160335	160514	159748
As 188.980	232.540	236.817	232.291
B 249.678	34.6746	35.5482	36.5965
Ba 389.178	1109.94	1110.58	1108.75
Be 313.042	20.0091	20.0613	19.9949
Ca 370.602	283855	284413	283989
Cd 226.502	3.6621	3.8132	4.1108
Co 228.615	85.7879	85.6127	86.2373
Cr 267.716	359.135	360.103	359.293
Cu 324.754	125.118	126.554	125.197
Fe 271.441	281059	281577	281159
K 766.491	18413.4	18502.2	18526.3
Mg 279.078	61733.2	61809.6	61723.2
Mn 257.610	5298.56	5344.82	5373.00
Mo 202.032	8.9244	8.8471	8.6479
Na 330.237	2739.62u	2760.73u	2815.70u
Ni 231.604	190.817	192.800	189.281
Pb 220.353	190.603	179.301	188.488
Sb 206.834	3.4599	1.7510	12.2139
Se 196.026	1.2060	-3.8377	1.8673
Sn 189.925	23.5872	19.0893	16.8277
Sr 216.596	589.476	589.500	589.810
Ti 334.941	1119.13	1122.06	1122.49
Tl 190.794	10.0933u	0.2129u	8.3552u
V 292.401	584.341	585.677	584.648
Zn 206.200	809.517	805.168	807.190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2299	ppb	0.0970	4.3	-208.654
Al 308.215	160199	ppb	400.985	0.3	641642
As 188.980	233.883	ppb	2.5438	1.1	102.755
B 249.678	35.6064	ppb	0.9623	2.7	461.730
Ba 389.178	1109.76	ppb	0.9257	0.1	25348.3
Be 313.042	20.0217	ppb	0.0350	0.2	36428.5
Ca 370.602	284086	ppb	291.1	0.1	854504
Cd 226.502	3.8620	ppb	0.2283	5.9	1132.54
Co 228.615	85.8793	ppb	0.3222	0.4	1152.39
Cr 267.716	359.511	ppb	0.5193	0.1	18460.2
Cu 324.754	125.623	ppb	0.8071	0.6	6032.40
Fe 271.441	281265	ppb	274.930	0.1	507530
K 766.491	18480.7	ppb	59.4606	0.3	699139
Mg 279.078	61755.3	ppb	47.2411	0.1	138846
Mn 257.610	5338.80	ppb	37.5855	0.7	321557
Mo 202.032	8.8064	ppb	0.1426	1.6	71.5037
Na 330.237	2772.02	ppb	39.2726	1.4	43.5819
Ni 231.604	190.966	ppb	1.7640	0.9	568.667
Pb 220.353	186.131	ppb	6.0085	3.2	406.994
Sb 206.834	5.8082	ppb	5.6128	96.6	21.1253
Se 196.026	-0.2548	ppb	3.1204	1224.7	14.7353
Sn 189.925	19.8348	ppb	3.4409	17.3	8.8167
Sr 216.596	589.595	ppb	0.1865	0.0	7469.68
Ti 334.941	1121.23	ppb	1.8293	0.2	333987
Tl 190.794	6.2205	ppb	5.2748	84.8	-30.3397
V 292.401	584.889	ppb	0.6997	0.1	16511.3
Zn 206.200	807.292	ppb	2.1763	0.3	1300.54



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Cont Calib Verif (CCV)                      5/9/2013, 12:14:46 AM                      Rack 2, Tube 37  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	506.707	503.899	500.028
Al 308.215	4981.99	4960.12	4942.19
As 188.980	505.404	504.611	510.004
B 249.678	494.888	496.320	498.558
Ba 389.178	5196.65	5165.44	5165.17
Be 313.042	521.946	520.124	521.299
Ca 370.602	5094	5082	5074
Cd 226.502	522.437	519.959	519.793
Co 228.615	527.704	525.601	524.386
Cr 267.716	5234.27	5208.16	5207.57
Cu 324.754	5273.13	5328.74	5166.70
Fe 271.441	5020.17	5006.09	5014.24
K 766.491	10245.5	10257.0	10244.1
Mg 279.078	5034.74	5004.60	5006.25
Mn 257.610	5299.67	5273.12	5314.69
Mo 202.032	507.641	503.019	503.293
Na 330.237	7333.35	7154.73	7282.03
Ni 231.604	2623.35	2611.11	2607.15
Pb 220.353	498.965	494.701	496.157
Sb 206.834	988.734	987.816	999.503
Se 196.026	4960.00	4954.08	4938.75
Sn 189.925	5104.99	5045.10	5057.07
Sr 216.596	2550.44	2543.75	2540.12
Ti 334.941	503.001	500.564	501.483
Tl 190.794	5082.37	5063.38	5090.14
V 292.401	5034.24	5007.98	5011.84
Zn 206.200	2625.98	2603.59	2601.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	503.544	ppb	3.3534	0.7	38615.1	100.70886
Al 308.215	4961.44	ppb	19.9334	0.4	19891.4	99.22871
As 188.980	506.673	ppb	2.9117	0.6	228.310	101.33457
B 249.678	496.589	ppb	1.8497	0.4	6849.10	19.86356Q
Ba 389.178	5175.75	ppb	18.0968	0.3	115746	103.51500
Be 313.042	521.123	ppb	0.9238	0.2	955290	104.22466
Ca 370.602	5083	ppb	9.788	0.2	15574	101.66170
Cd 226.502	520.730	ppb	1.4805	0.3	20549.7	104.14594
Co 228.615	525.897	ppb	1.6790	0.3	6881.93	105.17941
Cr 267.716	5216.66	ppb	15.2469	0.3	266403	104.33327
Cu 324.754	5256.19	ppb	82.3399	1.6	238562	105.12378
Fe 271.441	5013.50	ppb	7.0719	0.1	9291.98	100.27003
K 766.491	10248.9	ppb	7.0943	0.1	387855	102.48852
Mg 279.078	5015.20	ppb	16.9445	0.3	11225.2	100.30393
Mn 257.610	5295.83	ppb	21.0483	0.4	318619	105.91653
Mo 202.032	504.651	ppb	2.5928	0.5	3923.30	100.93018
Na 330.237	7256.70	ppb	91.9634	1.3	404.663	96.75600
Ni 231.604	2613.87	ppb	8.4444	0.3	7766.16	104.55472
Pb 220.353	496.608	ppb	2.1676	0.4	1023.15	99.32153
Sb 206.834	992.018	ppb	6.4992	0.7	1237.65	99.20177
Se 196.026	4950.94	ppb	10.9696	0.2	2654.87	99.01886
Sn 189.925	5069.05	ppb	31.6901	0.6	4905.46	101.38103
Sr 216.596	2544.77	ppb	5.2331	0.2	31417.8	101.79078
Ti 334.941	501.683	ppb	1.2304	0.2	149294	100.33653
Tl 190.794	5078.63	ppb	13.7671	0.3	5354.47	101.57261
V 292.401	5018.02	ppb	14.1790	0.3	141365	100.36041
Zn 206.200	2610.48	ppb	13.4499	0.5	4093.51	104.41919

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Blank (CCB) 5/9/2013, 12:20:11 AM Rack 2, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0886u	-0.2551u	0.3587
Al 308.215	-0.5232u	-0.8312u	2.8289
As 188.980	2.9814	-1.4266u	-1.0028u
B 249.678	-8.3175u	-9.1062u	-9.5633u
Ba 389.178	0.2706	-0.4846u	0.5664
Be 313.042	0.0004	0.0004	-0.0003u
Ca 370.602	1.899	1.525	0.8286
Cd 226.502	-0.2684u	-0.1789u	0.1146
Co 228.615	0.0482	-0.0227u	0.0324
Cr 267.716	0.0788	0.0475	0.2783
Cu 324.754	-0.2470u	-0.2048u	0.1590
Fe 271.441	-2.7697u	-2.4041u	-1.0413u
K 766.491	-0.3115u	-0.4824u	0.5714
Mg 279.078	-0.9832u	-0.1314u	-2.2030u
Mn 257.610	-0.2984u	-0.0840u	-0.1481u
Mo 202.032	0.2615	-0.8887u	0.1767
Na 330.237	87.0912	107.625	17.8214
Ni 231.604	1.1679	-0.4706u	1.1776
Pb 220.353	0.3711	1.4039	0.3293
Sb 206.834	2.4409	2.6792	7.9459
Se 196.026	4.7433	5.1339	-5.3158u
Sn 189.925	-2.3957u	-0.2885u	-2.1209u
Sr 216.596	0.3095	-0.3246u	0.5577
Ti 334.941	0.2327	0.0343	0.0460
Tl 190.794	1.3558	0.4137	-2.0350u
V 292.401	0.3379	0.0221	-0.2326u
Zn 206.200	8.6125	6.2790	8.2563

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0050	ppb	0.3174	6337.6	-36.5667	0.00501
Al 308.215	0.4915	ppb	2.0301	413.0	37.7006	0.49153
As 188.980	0.1840	ppb	2.4318	1321.5	-4.9515	0.18402
B 249.678	-8.9957	ppb	0.6302	7.0	246.583	-8.99566
Ba 389.178	0.1174	ppb	0.5420	461.5	-5.4676	0.11743
Be 313.042	0.0002	ppb	0.0004	246.9	-376.546	0.00016
Ca 370.602	1.417	ppb	0.5432	38.3	19.11	1.41747
Cd 226.502	-0.1109	ppb	0.2004	180.6	31.9750	-0.11092
Co 228.615	0.0193	ppb	0.0372	192.6	8.7665	0.01931
Cr 267.716	0.1349	ppb	0.1252	92.8	12.6941	0.13490
Cu 324.754	-0.0976	ppb	0.2232	228.7	261.263	-0.09760
Fe 271.441	-2.0717	ppb	0.9109	44.0	107.944	-2.07168
K 766.491	-0.0742	ppb	0.5656	762.3	294.695	-0.07419
Mg 279.078	-1.1059	ppb	1.0412	94.2	33.8315	-1.10587
Mn 257.610	-0.1768	ppb	0.1100	62.2	132.626	-0.17682
Mo 202.032	-0.1502	ppb	0.6410	426.8	18.3496	-0.15017
Na 330.237	70.8458	ppb	47.0542	66.4	61.3769	70.84576
Ni 231.604	0.6250	ppb	0.9488	151.8	-3.9743	0.62497
Pb 220.353	0.7014	ppb	0.6087	86.8	32.6329	0.70144
Sb 206.834	4.3553	ppb	3.1118	71.4	7.5183	4.35533
Se 196.026	1.5204	ppb	5.9236	389.6	12.4698	1.52043
Sn 189.925	-1.6017	ppb	1.1455	71.5	-12.1041	-1.60171
Sr 216.596	0.1809	ppb	0.4550	251.5	18.7586	0.18089
Ti 334.941	0.1044	ppb	0.1113	106.7	-1.0594	0.10435
Tl 190.794	-0.0885	ppb	1.7503	1977.7	-13.7323	-0.08850
V 292.401	0.0425	ppb	0.2858	673.0	-8.9190	0.04246
Zn 206.200	7.7159	ppb	1.2571	415.3	12.4641	7.71594

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680-89890-a-5-a (Samp) 5/9/2013, 12:25:37 AM Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0312	-0.8479u	-0.4929u
Al 308.215	79820.0	79359.6	79039.5
As 188.980	220.015	211.666	221.602
B 249.678	-17.5037u	-19.2966u	-18.1967u
Ba 389.178	150.770	149.201	148.800
Be 313.042	3.4201	3.4037	3.3860
Ca 370.602	14037	13973	13954
Cd 226.502	-0.9626	-0.9981	-0.8502
Co 228.615	36.1573	35.8388	35.0796
Cr 267.716	652.978	649.352	646.302
Cu 324.754	13.3510	12.4261	12.7048
Fe 271.441	240026	238814	237335
K 766.491	2919.19	2892.51	2874.40
Mg 279.078	5590.97	5572.95	5559.50
Mn 257.610	1252.00	1245.36	1234.93
Mo 202.032	5.0013	5.3929	4.8264
Na 330.237	1383.32u	1344.77u	1539.70u
Ni 231.604	38.8079	35.4235	37.3505
Pb 220.353	58.9747	59.0187	55.1000
Sb 206.834	7.0824	1.9598	4.1661
Se 196.026	0.8399	1.9831	-7.4532u
Sn 189.925	15.2397	17.1601	9.8762
Sr 216.596	54.8732	54.0207	53.6694
Ti 334.941	395.238	393.214	390.630
Tl 190.794	-1.2428u	-3.2361u	-2.0487u
V 292.401	387.064	384.919	382.340
Zn 206.200	259.489	257.963	254.492

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4365	ppb	0.4423	101.3	-65.2866
Al 308.215	79406.4	ppb	392.340	0.5	318062
As 188.980	217.761	ppb	5.3374	2.5	93.5569
B 249.678	-18.3324	ppb	0.9042	4.9	-187.942
Ba 389.178	149.590	ppb	1.0411	0.7	3679.58
Be 313.042	3.4033	ppb	0.0171	0.5	5858.48
Ca 370.602	13988	ppb	43.32	0.3	24373
Cd 226.502	-0.9370	ppb	0.0772	8.2	800.688
Co 228.615	35.6919	ppb	0.5537	1.6	478.828
Cr 267.716	649.544	ppb	3.3421	0.5	33243.1
Cu 324.754	12.8273	ppb	0.4744	3.7	908.298
Fe 271.441	238725	ppb	1347.80	0.6	430778
K 766.491	2895.36	ppb	22.5349	0.8	109785
Mg 279.078	5574.47	ppb	15.7899	0.3	12574.3
Mn 257.610	1244.10	ppb	8.6021	0.7	75141.7
Mo 202.032	5.0735	ppb	0.2901	5.7	45.2388
Na 330.237	1422.60	ppb	103.232	7.3	5.4179
Ni 231.604	37.1940	ppb	1.6976	4.6	110.421
Pb 220.353	57.6978	ppb	2.2499	3.9	148.219
Sb 206.834	4.4028	ppb	2.5695	58.4	21.5832
Se 196.026	-1.5434	ppb	5.1498	333.7	12.6829
Sn 189.925	14.0920	ppb	3.7751	26.8	3.1155
Sr 216.596	54.1878	ppb	0.6191	1.1	799.969
Ti 334.941	393.028	ppb	2.3095	0.6	116994
Tl 190.794	-2.1759	ppb	1.0027	46.1	-30.6744
V 292.401	384.774	ppb	2.3655	0.6	10826.8
Zn 206.200	257.315	ppb	2.5612	1.0	429.384

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**680-89890-a-6-a (Samp)**      **5/9/2013, 12:31:02 AM**      **Rack 2, Tube 40****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.4634u	-3.9384u	-3.0484u
Al 308.215	120939	121593	121496
As 188.980	90.1749	81.6535	76.8475
B 249.678	-14.7164u	-15.9161u	-13.5846u
Ba 389.178	2824.41	2821.94	2817.74
Be 313.042	17.3538	17.3360	17.3020
Ca 370.602	26969	27005	26967
Cd 226.502	42.0287	41.8137	41.6078
Co 228.615	248.177	247.543	246.751
Cr 267.716	237.384	237.165	236.202
Cu 324.754	96.6058	97.8056	96.0236
Fe 271.441	190244	190350	189829
K 766.491	12057.7	11958.7	11945.4
Mg 279.078	18966.7	18990.6	18928.3
Mn 257.610	31666.0x	31261.8x	31205.2x
Mo 202.032	13.8832	13.4728	13.5196
Na 330.237	874.544u	752.949u	865.697u
Ni 231.604	669.004	670.682	668.867
Pb 220.353	175.838	180.406	174.784
Sb 206.834	2.5148	3.9628	4.6636
Se 196.026	0.7679	2.4273	-9.2365
Sn 189.925	12.7156	12.6890	14.9522
Sr 216.596	130.081	129.011	130.276
Ti 334.941	261.068	260.744	259.641
Tl 190.794	54.1108u	58.6734	55.0859
V 292.401	239.698	239.496	237.957
Zn 206.200	956.429	956.185	949.363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4834b	ppb	0.4453	12.8	-166.090
Al 308.215	121343b	ppb	353.242	0.3	486023
As 188.980	82.8919b	ppb	6.7495	8.1	31.8932
B 249.678	-14.7391b	ppb	1.1659	7.9	-77.5024
Ba 389.178	2821.36b	ppb	3.3712	0.1	63382.6
Be 313.042	17.3306b	ppb	0.0263	0.2	31409.2
Ca 370.602	26980b	ppb	21.27	0.1	69063
Cd 226.502	41.8167b	ppb	0.2105	0.5	2321.02
Co 228.615	247.490b	ppb	0.7145	0.3	3238.95
Cr 267.716	236.917b	ppb	0.6290	0.3	12293.2
Cu 324.754	96.8117b	ppb	0.9087	0.9	4704.82
Fe 271.441	190141b	ppb	275.258	0.1	343166
K 766.491	11987.3b	ppb	61.3282	0.5	453593
Mg 279.078	18961.9b	ppb	31.4432	0.2	42160.3
Mn 257.610	31377.7xb	ppb	251.280	0.8	1887193
Mo 202.032	13.6252b	ppb	0.2247	1.6	114.470
Na 330.237	831.063b	ppb	67.7937	8.2	-4.6757
Ni 231.604	669.518b	ppb	1.0106	0.2	1989.40
Pb 220.353	177.010b	ppb	2.9880	1.7	395.004
Sb 206.834	3.7137b	ppb	1.0958	29.5	14.6628
Se 196.026	-2.0137b	ppb	6.3099	313.3	19.9539
Sn 189.925	13.4523b	ppb	1.2991	9.7	2.5030
Sr 216.596	129.789b	ppb	0.6812	0.5	1700.89
Ti 334.941	260.484b	ppb	0.7482	0.3	77608.4
Tl 190.794	55.9567b	ppb	2.4027	4.3	-12.0065
V 292.401	239.050b	ppb	0.9520	0.4	6730.79
Zn 206.200	953.993b	ppb	4.0111	0.4	1521.90

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680-89890-a-7-a (Samp) 5/9/2013, 12:36:28 AM Rack 2, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.6571u	-3.3047u	-2.7252u
Al 308.215	204632	205622	206305
As 188.980	172.694	184.074	182.512
B 249.678	93.3142	93.6681	94.6235
Ba 389.178	1288.75	1287.28	1288.66
Be 313.042	32.5725	32.6045	32.5468
Ca 370.602	646709	645370	645936
Cd 226.502	7.8465	7.9159	7.6946
Co 228.615	116.258	117.135	117.928
Cr 267.716	337.011	336.353	335.378
Cu 324.754	132.835	132.957	134.283
Fe 271.441	235983	236317	235727
K 766.491	35263.6	35161.7	35003.6
Mg 279.078	116487	116767	116674
Mn 257.610	11030.4	10999.3	10847.2
Mo 202.032	10.0123	10.2404	9.5478
Na 330.237	4122.50	4168.54	4214.12
Ni 231.604	304.985	306.477	309.908
Pb 220.353	145.425	144.115	143.110
Sb 206.834	-1.7133	1.4840	3.8020
Se 196.026	-11.0655u	-3.9123	-11.7329u
Sn 189.925	16.4841	16.2794	21.5439
Sr 216.596	1148.26	1153.40	1151.56
Ti 334.941	1649.98	1648.13	1639.07
Tl 190.794	14.5621u	11.6464u	16.6514u
V 292.401	481.423	482.622	480.985
Zn 206.200	1114.67	1122.57	1119.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8957	ppb	0.3558	12.3	-262.592
Al 308.215	205520	ppb	840.963	0.4	823157
As 188.980	179.760	ppb	6.1692	3.4	81.0000
B 249.678	93.8686	ppb	0.6773	0.7	1281.91
Ba 389.178	1288.23	ppb	0.8252	0.1	29416.5
Be 313.042	32.5746	ppb	0.0289	0.1	59582.5
Ca 370.602	646005	ppb	672.2	0.1	1974797
Cd 226.502	7.8190	ppb	0.1132	1.4	1138.96
Co 228.615	117.107	ppb	0.8354	0.7	1577.02
Cr 267.716	336.247	ppb	0.8216	0.2	17288.4
Cu 324.754	133.358	ppb	0.8034	0.6	6372.05
Fe 271.441	236009	ppb	295.905	0.1	425893
K 766.491	35143.0	ppb	131.037	0.4	1329221
Mg 279.078	116642	ppb	142.657	0.1	262179
Mn 257.610	10959.0	ppb	98.0475	0.9	659640
Mo 202.032	9.9335	ppb	0.3530	3.6	82.8600
Na 330.237	4168.39	ppb	45.8121	1.1	131.445
Ni 231.604	307.123	ppb	2.5241	0.8	913.005
Pb 220.353	144.217	ppb	1.1606	0.8	325.348
Sb 206.834	1.1909	ppb	2.7693	232.5	14.2711
Se 196.026	-8.9036	ppb	4.3354	48.7	11.2876
Sn 189.925	18.1025	ppb	2.9821	16.5	7.3178
Sr 216.596	1151.07	ppb	2.6062	0.2	14432.7
Ti 334.941	1645.73	ppb	5.8364	0.4	490342
Tl 190.794	14.2866	ppb	2.5138	17.6	-27.8393
V 292.401	481.677	ppb	0.8472	0.2	13604.8
Zn 206.200	1118.92	ppb	3.9855	0.4	1786.22

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680-89890-a-8-a (Samp) 5/9/2013, 12:41:53 AM Rack 2, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.2092u	-1.6565u	-0.9496u
Al 308.215	202885	201248	201182
As 188.980	1330.20	1338.68	1354.78
B 249.678	-36.1832u	-34.7286u	-35.3244u
Ba 389.178	800.574	798.624	796.341
Be 313.042	12.6980	12.6596	12.6106
Ca 370.602	19060	19200	19143
Cd 226.502	9.2335	10.1594	10.3344
Co 228.615	48.7265	47.9000	48.2139
Cr 267.716	592.780	593.081	592.731
Cu 324.754	153.579	153.047	154.677
Fe 271.441	717253	715121	716084
K 766.491	10150.9	10163.1	10186.4
Mg 279.078	10317.4	10297.3	10294.4
Mn 257.610	1543.47	1566.01	1566.59
Mo 202.032	33.7832	33.8749	32.7334
Na 330.237	3661.27u	3650.67u	3442.11u
Ni 231.604	342.053	343.833	339.931
Pb 220.353	193.441	196.637	194.095
Sb 206.834	8.6205	12.8773	7.3165
Se 196.026	1.9637	0.2933	4.9313
Sn 189.925	21.7414	23.6376	19.3202
Sr 216.596	145.191	142.726	142.469
Ti 334.941	322.907	322.841	322.005
Tl 190.794	-6.7392u	-0.7899u	1.7193u
V 292.401	696.493	695.465	695.327
Zn 206.200	1055.35	1057.46	1057.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2718	ppb	0.3576	28.1	-131.245
Al 308.215	201772	ppb	964.855	0.5	808145
As 188.980	1341.22	ppb	12.4846	0.9	607.505
B 249.678	-35.4121	ppb	0.7312	2.1	-1037.22
Ba 389.178	798.513	ppb	2.1185	0.3	18858.6
Be 313.042	12.6561	ppb	0.0438	0.3	22818.4
Ca 370.602	19134	ppb	70.46	0.4	2376
Cd 226.502	9.9091	ppb	0.5916	6.0	2832.70
Co 228.615	48.2801	ppb	0.4172	0.9	621.286
Cr 267.716	592.864	ppb	0.1895	0.0	30468.1
Cu 324.754	153.768	ppb	0.8313	0.5	7425.69
Fe 271.441	716153	ppb	1067.35	0.1	1292056
K 766.491	10166.8	ppb	18.0079	0.2	384752
Mg 279.078	10303.0	ppb	12.4930	0.1	23258.5
Mn 257.610	1558.69	ppb	13.1837	0.8	94414.7
Mo 202.032	33.4638	ppb	0.6343	1.9	239.065
Na 330.237	3584.68	ppb	123.588	3.4	-130.339
Ni 231.604	341.939	ppb	1.9538	0.6	1027.85
Pb 220.353	194.724	ppb	1.6885	0.9	424.597
Sb 206.834	9.6048	ppb	2.9081	30.3	39.7187
Se 196.026	2.3961	ppb	2.3490	98.0	17.9041
Sn 189.925	21.5664	ppb	2.1641	10.0	10.3516
Sr 216.596	143.462	ppb	1.5027	1.0	2122.88
Ti 334.941	322.584	ppb	0.5032	0.2	96117.5
Tl 190.794	-1.9366	ppb	4.3442	224.3	-56.8346
V 292.401	695.762	ppb	0.6372	0.1	19611.0
Zn 206.200	1056.78	ppb	1.2414	0.1	1740.11

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680-89890-a-9-a (Samp) 5/9/2013, 12:47:19 AM Rack 2, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.2180u	-2.0896u	-1.9057u
Al 308.215	77792.8	77466.8	77190.5
As 188.980	75.8350	73.1723	68.2959
B 249.678	-15.7786u	-15.2334u	-15.0864u
Ba 389.178	230.579	228.581	229.969
Be 313.042	13.4620	13.4152	13.4289
Ca 370.602	18188	18078	18137
Cd 226.502	3.4440	3.4316	3.5347
Co 228.615	904.466	891.002	893.309
Cr 267.716	273.124	272.072	272.717
Cu 324.754	198.548	194.284	195.019
Fe 271.441	142959	142257	142524
K 766.491	5436.31	5425.92	5444.92
Mg 279.078	9140.54	9084.39	9122.00
Mn 257.610	7704.58	7681.75	7790.40
Mo 202.032	6.3007	5.6883	5.4819
Na 330.237	936.383u	967.237u	978.270u
Ni 231.604	588.084	584.485	587.871
Pb 220.353	92.9261	91.1928	92.6875
Sb 206.834	9.7119	3.3200	5.7723
Se 196.026	1.3160	-1.9559	-2.4395
Sn 189.925	17.2432	11.7834	12.2116
Sr 216.596	64.4242	64.9736	64.7360
Ti 334.941	144.644	144.155	144.622
Tl 190.794	13.5659u	11.4462u	16.7460u
V 292.401	258.629	257.908	258.944
Zn 206.200	952.360	940.323	954.874

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0711	ppb	0.1570	7.6	-161.346
Al 308.215	77483.3	ppb	301.490	0.4	310361
As 188.980	72.4344	ppb	3.8233	5.3	27.3752
B 249.678	-15.3661	ppb	0.3647	2.4	-23.3091
Ba 389.178	229.710	ppb	1.0241	0.4	5347.34
Be 313.042	13.4354	ppb	0.0241	0.2	24266.2
Ca 370.602	18135	ppb	55.02	0.3	44908
Cd 226.502	3.4701	ppb	0.0563	1.6	651.535
Co 228.615	896.259	ppb	7.2005	0.8	11704.2
Cr 267.716	272.638	ppb	0.5304	0.2	14000.1
Cu 324.754	195.950	ppb	2.2792	1.2	9186.76
Fe 271.441	142580	ppb	354.182	0.2	257473
K 766.491	5435.72	ppb	9.5142	0.2	205848
Mg 279.078	9115.64	ppb	28.6083	0.3	20409.5
Mn 257.610	7725.58	ppb	57.2889	0.7	464839
Mo 202.032	5.8237	ppb	0.4258	7.3	56.4868
Na 330.237	960.630	ppb	21.7113	2.3	26.9812
Ni 231.604	586.813	ppb	2.0189	0.3	1742.35
Pb 220.353	92.2688	ppb	0.9395	1.0	218.722
Sb 206.834	6.2681	ppb	3.2246	51.4	16.8826
Se 196.026	-1.0265	ppb	2.0430	199.0	14.0862
Sn 189.925	13.7461	ppb	3.0362	22.1	2.7851
Sr 216.596	64.7113	ppb	0.2756	0.4	874.521
Ti 334.941	144.473	ppb	0.2763	0.2	43028.6
Tl 190.794	13.9194	ppb	2.6675	19.2	-18.0871
V 292.401	258.493	ppb	0.5311	0.2	7277.98
Zn 206.200	949.186	ppb	7.7772	0.8	1509.02

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**680-89890-a-10-a (Samp)**                      **5/9/2013, 12:52:44 AM**                      **Rack 2, Tube 44**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.4404u	-0.3156u	-0.7040u
Al 308.215	116754	116114	116099
As 188.980	68.0662	70.8301	59.6321
B 249.678	148.402	149.713	149.426
Ba 389.178	1680.20	1679.43	1674.58
Be 313.042	22.7014	22.6738	22.6558
Ca 370.602	1878916x	1883299x	1870368x
Cd 226.502	9.4665	9.4908	9.9548
Co 228.615	27.2170	27.4080	27.3546
Cr 267.716	384.056	384.092	382.971
Cu 324.754	285.523	286.543	287.028
Fe 271.441	165637	165411	165394
K 766.491	32524.2	32692.4	32796.4
Mg 279.078	121867	121601	121336
Mn 257.610	16091.5	16269.4	16273.1
Mo 202.032	9.1785	9.0612	9.7327
Na 330.237	3785.11	4038.25	3939.25
Ni 231.604	92.9099	92.7351	91.8538
Pb 220.353	1147.52	1139.18	1139.35
Sb 206.834	8.6659	6.1776	8.7041
Se 196.026	-9.9453	4.6641	5.3866
Sn 189.925	31.3058	35.4796	31.8192
Sr 216.596	3686.78	3683.10	3668.64
Ti 334.941	3187.25	3190.07	3189.76
Tl 190.794	21.1504u	25.7120u	22.6850u
V 292.401	422.465	425.687	423.426
Zn 206.200	1088.56	1083.06	1079.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8200b	ppb	0.5713	69.7	-199.271
Al 308.215	116323b	ppb	373.576	0.3	465914
As 188.980	66.1761b	ppb	5.8333	8.8	38.6996
B 249.678	149.180b	ppb	0.6892	0.5	2097.58
Ba 389.178	1678.07b	ppb	3.0487	0.2	38047.4
Be 313.042	22.6770b	ppb	0.0230	0.1	41833.5
Ca 370.602	1877528xb	ppb	6576	0.4	5780030
Cd 226.502	9.6373b	ppb	0.2752	2.9	973.150
Co 228.615	27.3265b	ppb	0.0985	0.4	453.707
Cr 267.716	383.706b	ppb	0.6372	0.2	19721.2
Cu 324.754	286.365b	ppb	0.7683	0.3	13291.1
Fe 271.441	165481b	ppb	135.631	0.1	298646
K 766.491	32671.0b	ppb	137.333	0.4	1235743
Mg 279.078	121601b	ppb	265.797	0.2	273258
Mn 257.610	16211.3b	ppb	103.802	0.6	975451
Mo 202.032	9.3241b	ppb	0.3587	3.8	82.0577
Na 330.237	3920.87b	ppb	127.568	3.3	142.740
Ni 231.604	92.4996b	ppb	0.5661	0.6	273.154
Pb 220.353	1142.02b	ppb	4.7645	0.4	2316.50
Sb 206.834	7.8492b	ppb	1.4478	18.4	20.7253
Se 196.026	0.0351b	ppb	8.6509	24622.3	17.0009
Sn 189.925	32.8682b	ppb	2.2761	6.9	22.2390
Sr 216.596	3679.51b	ppb	9.5879	0.3	45814.9
Ti 334.941	3189.03b	ppb	1.5475	0.0	949640
Tl 190.794	23.1825b	ppb	2.3212	10.0	-22.7435
V 292.401	423.859b	ppb	1.6540	0.4	11993.9
Zn 206.200	1083.57b	ppb	4.7578	0.4	1722.70



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680-89890-a-11-a (Samp) 5/9/2013, 12:58:10 AM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.8938u	-1.1676u	-1.2690u
Al 308.215	125924	126469	126489
As 188.980	280.737	279.676	282.095
B 249.678	36.3328	35.6611	37.3177
Ba 389.178	1278.90	1278.65	1282.36
Be 313.042	12.6247	12.6461	12.6789
Ca 370.602	424932	425638	425507
Cd 226.502	13.1978	13.2735	13.2122
Co 228.615	108.582	108.673	109.204
Cr 267.716	436.883	437.462	437.886
Cu 324.754	330.106	327.417	328.500
Fe 271.441	334809	335779	335581
K 766.491	15732.5	15834.0	15783.7
Mg 279.078	87598.6	87588.3	87549.0
Mn 257.610	7540.46	7502.15	7545.27
Mo 202.032	33.0006	33.5941	33.2605
Na 330.237	2767.44u	2672.64u	2638.98u
Ni 231.604	114.839	112.175	113.737
Pb 220.353	488.781	487.858	485.494
Sb 206.834	1.4176	3.7048	6.2779
Se 196.026	7.6724	3.1786	3.2029
Sn 189.925	26.4073	27.4192	28.5589
Sr 216.596	838.456	842.340	838.798
Ti 334.941	1086.43	1087.76	1089.38
Tl 190.794	3.3561u	7.5668u	8.4637u
V 292.401	401.834	402.750	403.048
Zn 206.200	1295.25	1293.90	1298.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4435	ppb	0.3933	27.2	-151.784
Al 308.215	126294	ppb	320.546	0.3	505852
As 188.980	280.836	ppb	1.2126	0.4	125.064
B 249.678	36.4372	ppb	0.8332	2.3	401.744
Ba 389.178	1279.97	ppb	2.0751	0.2	29293.6
Be 313.042	12.6499	ppb	0.0273	0.2	22951.0
Ca 370.602	425359	ppb	375.5	0.1	1286095
Cd 226.502	13.2278	ppb	0.0402	0.3	1683.16
Co 228.615	108.820	ppb	0.3362	0.3	1448.06
Cr 267.716	437.410	ppb	0.5033	0.1	22463.8
Cu 324.754	328.674	ppb	1.3528	0.4	15256.1
Fe 271.441	335390	ppb	512.418	0.2	605173
K 766.491	15783.4	ppb	50.7476	0.3	597142
Mg 279.078	87578.6	ppb	26.1423	0.0	196910
Mn 257.610	7529.29	ppb	23.6274	0.3	453390
Mo 202.032	33.2851	ppb	0.2975	0.9	258.822
Na 330.237	2693.02	ppb	66.6128	2.5	8.8137
Ni 231.604	113.584	ppb	1.3384	1.2	339.847
Pb 220.353	487.377	ppb	1.6955	0.3	1008.44
Sb 206.834	3.8001	ppb	2.4316	64.0	20.6632
Se 196.026	4.6847	ppb	2.5875	55.2	18.2969
Sn 189.925	27.4618	ppb	1.0764	3.9	16.2811
Sr 216.596	839.865	ppb	2.1506	0.3	10607.3
Ti 334.941	1087.85	ppb	1.4785	0.1	324185
Tl 190.794	6.4622	ppb	2.7271	42.2	-36.5175
V 292.401	402.544	ppb	0.6324	0.2	11348.8
Zn 206.200	1295.75	ppb	2.1520	0.2	2075.03

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**680-89890-a-12-a (Samp) 5/9/2013, 1:03:36 AM Rack 2, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-5.0320u	-4.7724u	-4.3919u
Al 308.215	95563.8	95590.3	94945.2
As 188.980	81.2497	84.7387	76.8669
B 249.678	-13.3618u	-12.9127u	-14.5622u
Ba 389.178	250.782	249.513	248.366
Be 313.042	8.9247	8.9231	8.8752
Ca 370.602	19564	19516	19417
Cd 226.502	2.8340	2.5484	2.5084
Co 228.615	191.524	193.368	189.070
Cr 267.716	214.332	214.037	212.858
Cu 324.754	77.7678	76.1745	75.5565
Fe 271.441	182234	181845	180474
K 766.491	6006.07	6012.53	5955.14
Mg 279.078	8263.72	8260.64	8201.12
Mn 257.610	1972.51	1962.58	1958.75
Mo 202.032	3.2408	4.2012	3.7106
Na 330.237	1011.19u	1208.53u	1154.93u
Ni 231.604	265.818	264.707	265.100
Pb 220.353	115.915	116.756	114.662
Sb 206.834	3.7272	2.0995	-2.3454
Se 196.026	2.6449	0.8674	4.0856
Sn 189.925	13.9926	14.8948	16.1294
Sr 216.596	73.8741	73.5641	74.0716
Ti 334.941	235.713	235.651	234.348
Tl 190.794	0.1472u	1.8520u	1.0608u
V 292.401	222.046	221.774	220.617
Zn 206.200	616.910	612.307	603.359

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.7321	ppb	0.3219	6.8	-393.686
Al 308.215	95366.4	ppb	365.051	0.4	381985
As 188.980	80.9518	ppb	3.9443	4.9	31.0097
B 249.678	-13.6122	ppb	0.8528	6.3	-51.1477
Ba 389.178	249.554	ppb	1.2085	0.5	5842.13
Be 313.042	8.9077	ppb	0.0281	0.3	15965.3
Ca 370.602	19499	ppb	74.98	0.4	45906
Cd 226.502	2.6302	ppb	0.1776	6.8	748.627
Co 228.615	191.320	ppb	2.1563	1.1	2505.81
Cr 267.716	213.742	ppb	0.7801	0.4	10976.2
Cu 324.754	76.4996	ppb	1.1409	1.5	3781.33
Fe 271.441	181518	ppb	924.832	0.5	327601
K 766.491	5991.25	ppb	31.4375	0.5	226855
Mg 279.078	8241.82	ppb	35.2844	0.4	18544.8
Mn 257.610	1964.61	ppb	7.0997	0.4	118435
Mo 202.032	3.7175	ppb	0.4803	12.9	38.1382
Na 330.237	1124.88	ppb	102.044	9.1	17.6625
Ni 231.604	265.208	ppb	0.5636	0.2	787.034
Pb 220.353	115.778	ppb	1.0536	0.9	264.775
Sb 206.834	1.1604	ppb	3.1433	270.9	11.1776
Se 196.026	2.5326	ppb	1.6120	63.7	14.6940
Sn 189.925	15.0056	ppb	1.0727	7.1	4.0060
Sr 216.596	73.8366	ppb	0.2558	0.3	1012.17
Ti 334.941	235.238	ppb	0.7710	0.3	70041.8
Tl 190.794	1.0200	ppb	0.8532	83.6	-25.3272
V 292.401	221.479	ppb	0.7588	0.3	6237.57
Zn 206.200	610.859	ppb	6.8910	1.1	980.927

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680-89890-a-13-a (Samp)      5/9/2013, 1:09:02 AM      Rack 2, Tube 47  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0013u	-1.4473u	-1.7495u
Al 308.215	148024	148797	148421
As 188.980	188.566	201.426	184.911
B 249.678	145.247	145.564	146.820
Ba 389.178	1519.95	1525.86	1522.71
Be 313.042	19.3436	19.3838	19.3553
Ca 370.602	685815	689649	684529
Cd 226.502	5.1294	5.0154	4.6972
Co 228.615	75.9601	74.0349	74.7702
Cr 267.716	266.697	267.176	266.765
Cu 324.754	225.231	225.008	224.780
Fe 271.441	253972	254295	253788
K 766.491	43093.5x	43142.6x	42969.1x
Mg 279.078	155601	155554	155563
Mn 257.610	11372.0	11377.4	11354.1
Mo 202.032	18.8847	19.6399	19.0047
Na 330.237	3736.64	3824.74	3752.10
Ni 231.604	96.4284	98.2610	97.2913
Pb 220.353	425.385	421.458	427.154
Sb 206.834	5.0309	5.6749	2.0851
Se 196.026	5.4648	7.7276	2.2994
Sn 189.925	28.4874	29.9608	26.9310
Sr 216.596	1288.28	1290.53	1288.88
Ti 334.941	3780.86	3790.16	3794.48
Tl 190.794	10.9943u	13.2622u	16.5784u
V 292.401	429.116	429.903	429.262
Zn 206.200	699.767	708.964	703.945

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3994b	ppb	0.3764	26.9	-152.141
Al 308.215	148414b	ppb	386.580	0.3	594444
As 188.980	191.635b	ppb	8.6746	4.5	86.6239
B 249.678	145.877b	ppb	0.8319	0.6	1939.13
Ba 389.178	1522.84b	ppb	2.9583	0.2	34783.8
Be 313.042	19.3609b	ppb	0.0207	0.1	35349.1
Ca 370.602	686664b	ppb	2664	0.4	2099258
Cd 226.502	4.9474b	ppb	0.2240	4.5	1084.61
Co 228.615	74.9217b	ppb	0.9715	1.3	1088.23
Cr 267.716	266.879b	ppb	0.2587	0.1	13757.0
Cu 324.754	225.006b	ppb	0.2254	0.1	10533.0
Fe 271.441	254019b	ppb	256.756	0.1	458375
K 766.491	43068.4xb	ppb	89.4653	0.2	1628919
Mg 279.078	155573b	ppb	24.6888	0.0	349750
Mn 257.610	11367.8b	ppb	12.2197	0.1	684344
Mo 202.032	19.1764b	ppb	0.4059	2.1	153.721
Na 330.237	3771.16b	ppb	47.0383	1.2	88.7751
Ni 231.604	97.3269b	ppb	0.9168	0.9	289.597
Pb 220.353	424.666b	ppb	2.9157	0.7	882.925
Sb 206.834	4.2636b	ppb	1.9140	44.9	17.3057
Se 196.026	5.1639b	ppb	2.7266	52.8	19.0613
Sn 189.925	28.4597b	ppb	1.5151	5.3	17.3797
Sr 216.596	1289.23b	ppb	1.1631	0.1	16157.4
Ti 334.941	3788.50b	ppb	6.9629	0.2	1128220
Tl 190.794	13.6116b	ppb	2.8084	20.6	-30.4666
V 292.401	429.427b	ppb	0.4187	0.1	12166.7
Zn 206.200	704.225b	ppb	4.6945	0.7	1135.62

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**680-89890-a-14-a (Samp)**                      **5/9/2013, 1:14:28 AM**                      **Rack 2, Tube 48**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.5138u	-1.2375u	-1.7980u
Al 308.215	154017	153767	154265
As 188.980	205.209	199.336	198.896
B 249.678	35.6395	36.7614	36.3950
Ba 389.178	832.745	832.438	834.053
Be 313.042	14.4108	14.3884	14.4136
Ca 370.602	224242	222921	224621
Cd 226.502	5.9017	5.4794	5.9312
Co 228.615	83.1644	84.1063	83.9260
Cr 267.716	655.318	654.369	655.398
Cu 324.754	217.029	217.662	218.761
Fe 271.441	318210	317701	318426
K 766.491	13066.1	12995.6	13062.9
Mg 279.078	40850.0	40748.5	40875.6
Mn 257.610	6740.00	6707.20	6684.67
Mo 202.032	12.3728	12.1649	12.1034
Na 330.237	2702.45u	2511.63u	2466.55u
Ni 231.604	119.578	122.931	120.249
Pb 220.353	258.286	257.772	255.132
Sb 206.834	5.4421	3.0468	4.6712
Se 196.026	-13.6099u	-0.1605	-12.3376u
Sn 189.925	29.8102	25.0974	25.4633
Sr 216.596	661.132	659.617	661.327
Ti 334.941	1064.17	1063.09	1065.20
Tl 190.794	5.2986u	8.4325u	3.5711u
V 292.401	536.065	534.131	535.981
Zn 206.200	1068.62	1071.15	1066.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5164	ppb	0.2802	18.5	-150.589
Al 308.215	154016	ppb	248.743	0.2	616880
As 188.980	201.147	ppb	3.5246	1.8	86.9194
B 249.678	36.2653	ppb	0.5721	1.6	422.708
Ba 389.178	833.079	ppb	0.8575	0.1	19159.0
Be 313.042	14.4043	ppb	0.0138	0.1	26104.4
Ca 370.602	223928	ppb	892.5	0.4	666066
Cd 226.502	5.7708	ppb	0.2528	4.4	1329.49
Co 228.615	83.7322	ppb	0.4999	0.6	1122.21
Cr 267.716	655.028	ppb	0.5724	0.1	33568.8
Cu 324.754	217.817	ppb	0.8763	0.4	10223.1
Fe 271.441	318112	ppb	372.111	0.1	574001
K 766.491	13041.5	ppb	39.8100	0.3	493460
Mg 279.078	40824.7	ppb	67.2305	0.2	91755.9
Mn 257.610	6710.63	ppb	27.8237	0.4	404019
Mo 202.032	12.2137	ppb	0.1411	1.2	96.0743
Na 330.237	2560.21	ppb	125.228	4.9	12.8428
Ni 231.604	120.919	ppb	1.7745	1.5	361.252
Pb 220.353	257.063	ppb	1.6922	0.7	548.901
Sb 206.834	4.3867	ppb	1.2228	27.9	23.7652
Se 196.026	-8.7027	ppb	7.4251	85.3	10.8241
Sn 189.925	26.7903	ppb	2.6217	9.8	15.5312
Sr 216.596	660.692	ppb	0.9357	0.1	8360.18
Ti 334.941	1064.15	ppb	1.0528	0.1	316906
Tl 190.794	5.7674	ppb	2.4643	42.7	-34.9584
V 292.401	535.392	ppb	1.0931	0.2	15092.0
Zn 206.200	1068.67	ppb	2.4579	0.2	1714.99

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Verif (CCV) 5/9/2013, 1:20:05 AM Rack 2, Tube 49  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	507.216	500.751	505.009
Al 308.215	4982.71	4959.46	4979.22
As 188.980	500.005	504.528	498.606
B 249.678	498.167	497.148	505.554
Ba 389.178	5180.72	5159.85	5189.46
Be 313.042	524.883	520.649	525.716
Ca 370.602	5102	5068	5102
Cd 226.502	521.785	518.668	523.768
Co 228.615	526.021	523.927	528.212
Cr 267.716	5221.81	5203.42	5250.61
Cu 324.754	5158.64	5228.20	5341.29
Fe 271.441	5029.62	5003.70	5035.96
K 766.491	10243.4	10246.6	10364.0
Mg 279.078	5027.40	5011.48	5046.03
Mn 257.610	5271.90	5272.39	5325.74
Mo 202.032	508.115	505.383	506.277
Na 330.237	7224.94	7136.29	7231.68
Ni 231.604	2614.47	2609.38	2624.40
Pb 220.353	503.755	496.211	498.392
Sb 206.834	991.876	984.559	992.356
Se 196.026	4958.16	4938.52	5002.76
Sn 189.925	5083.08	5113.23	5073.07
Sr 216.596	2567.15	2540.52	2561.39
Ti 334.941	502.514	501.011	504.655
Tl 190.794	5072.91	5058.34	5096.72
V 292.401	5039.40	5016.54	5051.27
Zn 206.200	2606.82	2605.75	2618.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.325	ppb	3.2864	0.7	38675.2	100.86501
Al 308.215	4973.80	ppb	12.5375	0.3	19940.7	99.47598
As 188.980	501.046	ppb	3.0952	0.6	225.718	100.20927
B 249.678	500.290	ppb	4.5875	0.9	6897.47	20.01158Q
Ba 389.178	5176.68	ppb	15.2143	0.3	115767	103.53354
Be 313.042	523.749	ppb	2.7171	0.5	960107	104.74989
Ca 370.602	5091	ppb	19.86	0.4	15598	101.81428
Cd 226.502	521.407	ppb	2.5710	0.5	20576.4	104.28139
Co 228.615	526.053	ppb	2.1423	0.4	6883.98	105.21067
Cr 267.716	5225.28	ppb	23.7828	0.5	266843	104.50558
Cu 324.754	5242.71	ppb	92.1843	1.8	237951	104.85419
Fe 271.441	5023.09	ppb	17.0930	0.3	9309.42	100.46187
K 766.491	10284.6	ppb	68.7184	0.7	389209	102.84641
Mg 279.078	5028.31	ppb	17.2932	0.3	11254.3	100.56612
Mn 257.610	5290.01	ppb	30.9478	0.6	318270	105.80019
Mo 202.032	506.592	ppb	1.3929	0.3	3938.31	101.31834
Na 330.237	7197.64	ppb	53.2352	0.7	401.637	95.96848
Ni 231.604	2616.08	ppb	7.6372	0.3	7772.75	104.64327
Pb 220.353	499.453	ppb	3.8820	0.8	1028.83	99.89055
Sb 206.834	989.597	ppb	4.3699	0.4	1234.90	98.95972
Se 196.026	4966.48	ppb	32.9166	0.7	2663.17	99.32959
Sn 189.925	5089.79	ppb	20.9063	0.4	4925.58	101.79585
Sr 216.596	2556.36	ppb	14.0131	0.5	31561.0	102.25421
Ti 334.941	502.727	ppb	1.8309	0.4	149605	100.54536
Tl 190.794	5075.99	ppb	19.3777	0.4	5351.65	101.51978
V 292.401	5035.74	ppb	17.6516	0.4	141865	100.71477
Zn 206.200	2610.19	ppb	6.7918	0.3	4093.04	104.40774

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Cont Calib Blank (CCB) 5/9/2013, 1:25:32 AM Rack 2, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1233u	0.2236	0.6658
Al 308.215	0.2417	1.1715	2.9772
As 188.980	-2.4341u	0.9981	2.3238
B 249.678	-7.1689u	-8.7165u	-9.3982u
Ba 389.178	0.5068	1.0739	0.5133
Be 313.042	-0.0063u	0.0006	-0.0030u
Ca 370.602	-4.987u	-3.812u	-6.394u
Cd 226.502	0.1150	-0.0359u	0.0078
Co 228.615	0.2501	-0.4865u	0.6146
Cr 267.716	-0.2157u	0.0343	0.0339
Cu 324.754	0.1853	0.3315	0.6000
Fe 271.441	0.6713	1.7807	-1.3741u
K 766.491	-0.5507u	-0.9529u	0.3644
Mg 279.078	-2.5611u	-0.7824u	3.3932
Mn 257.610	-0.1772u	0.0638	-0.2976u
Mo 202.032	-0.2166u	-0.2759u	-0.2200u
Na 330.237	56.2280	75.6771	16.0946
Ni 231.604	1.0494	-0.8879u	-0.2836u
Pb 220.353	2.6984	3.3177	-2.0519u
Sb 206.834	9.3200	6.7977	5.5928
Se 196.026	4.3179	13.1354	-1.7291u
Sn 189.925	1.5228	0.0268	-2.4679u
Sr 216.596	-0.1824u	0.6757	0.2550
Ti 334.941	0.0839	0.0723	0.1459
Tl 190.794	-2.8826u	0.6259	1.0669
V 292.401	-0.2468u	0.2624	-0.0286u
Zn 206.200	-1.1943u	0.4115	0.2410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2554	ppb	0.3955	154.9	-17.3234	0.25540
Al 308.215	1.4635	ppb	1.3909	95.0	41.6135	1.46347
As 188.980	0.2960	ppb	2.4554	829.7	-4.9001	0.29596
B 249.678	-8.4279	ppb	1.1423	13.6	254.000	-8.42788
Ba 389.178	0.6980	ppb	0.3255	46.6	7.5213	0.69800
Be 313.042	-0.0029	ppb	0.0035	117.7	-382.238	-0.00293
Ca 370.602	-5.064	ppb	1.292	25.5	-1.161	-5.06421
Cd 226.502	0.0290	ppb	0.0777	268.2	37.4924	0.02895
Co 228.615	0.1261	ppb	0.5609	445.0	10.1492	0.12605
Cr 267.716	-0.0492	ppb	0.1442	293.2	3.2910	-0.04918
Cu 324.754	0.3723	ppb	0.2103	56.5	282.574	0.37227
Fe 271.441	0.3593	ppb	1.6004	445.4	112.346	0.35930
K 766.491	-0.3797	ppb	0.6751	177.8	283.142	-0.37971
Mg 279.078	0.0166	ppb	3.0565	18434.3	36.3584	0.01658
Mn 257.610	-0.1370	ppb	0.1840	134.3	135.027	-0.13698
Mo 202.032	-0.2375	ppb	0.0333	14.0	17.6721	-0.23751
Na 330.237	49.3333	ppb	30.3838	61.6	60.3326	49.33325
Ni 231.604	-0.0407	ppb	0.9912	2435.6	-5.9535	-0.04070
Pb 220.353	1.3214	ppb	2.9377	222.3	33.8707	1.32139
Sb 206.834	7.2368	ppb	1.9020	26.3	10.9301	7.23685
Se 196.026	5.2414	ppb	7.4751	142.6	14.4552	5.24140
Sn 189.925	-0.3061	ppb	2.0161	658.6	-10.8477	-0.30611
Sr 216.596	0.2494	ppb	0.4291	172.0	19.6151	0.24945
Ti 334.941	0.1007	ppb	0.0396	39.3	-2.1401	0.10068
Tl 190.794	-0.3966	ppb	2.1642	545.7	-14.0583	-0.39662
V 292.401	-0.0043	ppb	0.2554	5879.4	-10.2717	-0.00434
Zn 206.200	-0.1806	ppb	0.8820	488.3	0.0363	-0.18062

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**680-89890-a-15-a (Samp)**                      **5/9/2013, 1:30:57 AM**                      **Rack 2, Tube 51**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.8044u	-2.7132u	-2.8265u
Al 308.215	116186	116494	117034
As 188.980	84.2933	81.7734	76.6457
B 249.678	-12.6606u	-13.5813u	-13.7107u
Ba 389.178	361.422	361.753	362.549
Be 313.042	5.6597	5.6688	5.6767
Ca 370.602	33472	33512	33571
Cd 226.502	0.8508	0.7933	0.6001
Co 228.615	360.772	362.183	361.380
Cr 267.716	255.976	255.763	255.658
Cu 324.754	60.3129	61.8679	59.5606
Fe 271.441	182003	181979	182061
K 766.491	6909.98	6904.99	6863.26
Mg 279.078	12319.5	12330.9	12327.8
Mn 257.610	2007.51	1998.55	1979.48
Mo 202.032	3.2860	3.8793	4.5701
Na 330.237	1135.53u	1278.62u	1153.86u
Ni 231.604	148.109	148.504	151.194
Pb 220.353	92.0856	84.7812	92.0446
Sb 206.834	5.4046	12.2229	3.1679
Se 196.026	5.2085	-10.7010u	0.1579
Sn 189.925	13.5355	17.7053	15.5768
Sr 216.596	146.838	148.411	146.662
Ti 334.941	162.746	162.550	162.348
Tl 190.794	2.1684u	1.9792u	-0.4847u
V 292.401	253.627	253.461	253.355
Zn 206.200	373.753	379.050	378.609

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7814	ppb	0.0600	2.2	-246.855
Al 308.215	116571	ppb	429.034	0.4	466912
As 188.980	80.9041	ppb	3.8972	4.8	31.0948
B 249.678	-13.3176	ppb	0.5726	4.3	-47.9038
Ba 389.178	361.908	ppb	0.5792	0.2	8365.25
Be 313.042	5.6684	ppb	0.0085	0.2	10028.8
Ca 370.602	33518	ppb	49.46	0.1	89106
Cd 226.502	0.7481	ppb	0.1313	17.6	676.163
Co 228.615	361.445	ppb	0.7081	0.2	4723.93
Cr 267.716	255.799	ppb	0.1621	0.1	13124.1
Cu 324.754	60.5804	ppb	1.1767	1.9	3059.35
Fe 271.441	182014	ppb	42.0995	0.0	328524
K 766.491	6892.74	ppb	25.6543	0.4	260945
Mg 279.078	12326.1	ppb	5.9001	0.0	27724.0
Mn 257.610	1995.18	ppb	14.3181	0.7	120285
Mo 202.032	3.9118	ppb	0.6427	16.4	39.5553
Na 330.237	1189.34	ppb	77.8637	6.5	23.0329
Ni 231.604	149.269	ppb	1.6786	1.1	442.328
Pb 220.353	89.6371	ppb	4.2054	4.7	213.019
Sb 206.834	6.9318	ppb	4.7167	68.0	18.4936
Se 196.026	-1.7782	ppb	8.1295	457.2	12.3996
Sn 189.925	15.6059	ppb	2.0851	13.4	4.5951
Sr 216.596	147.304	ppb	0.9628	0.7	1924.85
Ti 334.941	162.548	ppb	0.1995	0.1	48430.1
Tl 190.794	1.2210	ppb	1.4802	121.2	-25.0446
V 292.401	253.481	ppb	0.1371	0.1	7137.93
Zn 206.200	377.137	ppb	2.9391	0.8	612.982

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680-89890-a-16-a (Samp)      5/9/2013, 1:36:23 AM      Rack 2, Tube 52  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0903u	-1.4960u	-1.4053u
Al 308.215	103729	102952	103245
As 188.980	185.495	185.577	173.876
B 249.678	-7.0738u	-6.3991u	-6.9504u
Ba 389.178	563.222	562.443	560.738
Be 313.042	9.8055	9.7613	9.7380
Ca 370.602	90685	90380	90378
Cd 226.502	2.8809	2.8045	2.3139
Co 228.615	87.1288	86.7666	87.3537
Cr 267.716	291.767	291.502	290.559
Cu 324.754	144.894	143.787	142.611
Fe 271.441	274897	274012	273445
K 766.491	12179.8	12068.5	12033.2
Mg 279.078	18153.2	18134.7	18103.6
Mn 257.610	3794.43	3812.67	3757.72
Mo 202.032	15.4686	15.2446	15.0957
Na 330.237	2272.49u	2081.89u	1842.71u
Ni 231.604	138.924	140.416	140.758
Pb 220.353	223.501	222.964	221.366
Sb 206.834	3.8563	3.5521	-1.1635
Se 196.026	-0.4321	-3.3989	-0.7276
Sn 189.925	18.4222	17.1022	16.8585
Sr 216.596	286.782	286.431	285.694
Ti 334.941	524.427	523.118	520.532
Tl 190.794	1.6653u	-0.3402u	1.8742u
V 292.401	368.602	365.917	364.588
Zn 206.200	580.698	580.501	583.279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3305	ppb	0.2129	16.0	-133.406
Al 308.215	103309	ppb	392.405	0.4	413794
As 188.980	181.649	ppb	6.7316	3.7	77.2423
B 249.678	-6.8078	ppb	0.3593	5.3	-83.3747
Ba 389.178	562.134	ppb	1.2706	0.2	12983.6
Be 313.042	9.7683	ppb	0.0343	0.4	17558.9
Ca 370.602	90481	ppb	176.4	0.2	257653
Cd 226.502	2.6664	ppb	0.3077	11.5	1060.90
Co 228.615	87.0830	ppb	0.2962	0.3	1150.25
Cr 267.716	291.276	ppb	0.6347	0.2	14966.7
Cu 324.754	143.764	ppb	1.1415	0.8	6855.19
Fe 271.441	274118	ppb	731.872	0.3	494635
K 766.491	12093.8	ppb	76.5383	0.6	457623
Mg 279.078	18130.5	ppb	25.0505	0.1	40771.0
Mn 257.610	3788.27	ppb	27.9863	0.7	228193
Mo 202.032	15.2696	ppb	0.1877	1.2	122.462
Na 330.237	2065.70	ppb	215.345	10.4	17.2429
Ni 231.604	140.032	ppb	0.9753	0.7	417.032
Pb 220.353	222.610	ppb	1.1103	0.5	478.606
Sb 206.834	2.0816	ppb	2.8145	135.2	15.5135
Se 196.026	-1.5195	ppb	1.6343	107.6	13.5913
Sn 189.925	17.4609	ppb	0.8413	4.8	6.4197
Sr 216.596	286.302	ppb	0.5557	0.2	3693.67
Ti 334.941	522.692	ppb	1.9824	0.4	155648
Tl 190.794	1.0664	ppb	1.2226	114.6	-33.0579
V 292.401	366.369	ppb	2.0444	0.6	10329.5
Zn 206.200	581.492	ppb	1.5500	0.3	944.578



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680-89890-a-17-a (Samp) 5/9/2013, 1:41:48 AM Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9528u	-0.2275u	-0.5511u
Al 308.215	86677.5	86020.4	85889.1
As 188.980	120.086	110.421	122.861
B 249.678	-14.3060u	-14.1682u	-14.3814u
Ba 389.178	151.098	151.081	151.050
Be 313.042	1.6215	1.6199	1.6094
Ca 370.602	6877	6918	6914
Cd 226.502	-0.7201	-0.8338	-1.0364
Co 228.615	16.6224	16.8104	17.1790
Cr 267.716	307.588	307.470	307.434
Cu 324.754	20.7843	20.7483	20.2910
Fe 271.441	182851	182351	182330
K 766.491	3433.19	3415.86	3411.78
Mg 279.078	4521.53	4521.16	4511.91
Mn 257.610	528.377	532.799	532.928
Mo 202.032	4.9105	4.6485	5.1322
Na 330.237	1201.30u	1138.76u	1100.87u
Ni 231.604	35.7824	34.9475	33.5798
Pb 220.353	59.4920	58.6329	61.1890
Sb 206.834	3.5805	3.4804	-1.5205
Se 196.026	1.6834	-3.4104u	12.0515
Sn 189.925	13.0071	15.5716	13.9368
Sr 216.596	49.7656	50.5882	50.2870
Ti 334.941	489.635	488.892	487.757
Tl 190.794	-5.2129u	-0.2389u	-4.9562u
V 292.401	288.404	286.475	287.312
Zn 206.200	207.683	210.192	208.224

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5771	ppb	0.3634	63.0	-79.6069
Al 308.215	86195.7	ppb	422.444	0.5	345255
As 188.980	117.789	ppb	6.5300	5.5	47.8768
B 249.678	-14.2852	ppb	0.1081	0.8	-61.1956
Ba 389.178	151.077	ppb	0.0244	0.0	3632.39
Be 313.042	1.6169	ppb	0.0065	0.4	2584.61
Ca 370.602	6903	ppb	22.64	0.3	6979
Cd 226.502	-0.8634	ppb	0.1602	18.6	614.253
Co 228.615	16.8706	ppb	0.2831	1.7	236.950
Cr 267.716	307.497	ppb	0.0806	0.0	15757.8
Cu 324.754	20.6078	ppb	0.2750	1.3	1246.75
Fe 271.441	182511	ppb	294.698	0.2	329364
K 766.491	3420.28	ppb	11.3677	0.3	129634
Mg 279.078	4518.20	ppb	5.4504	0.1	10197.7
Mn 257.610	531.368	ppb	2.5909	0.5	32239.3
Mo 202.032	4.8971	ppb	0.2421	4.9	47.1024
Na 330.237	1146.98	ppb	50.7152	4.4	19.3459
Ni 231.604	34.7699	ppb	1.1120	3.2	101.885
Pb 220.353	59.7713	ppb	1.3007	2.2	152.264
Sb 206.834	1.8468	ppb	2.9166	157.9	13.0183
Se 196.026	3.4415	ppb	7.8795	229.0	14.7940
Sn 189.925	14.1718	ppb	1.2983	9.2	3.1912
Sr 216.596	50.2136	ppb	0.4162	0.8	723.427
Ti 334.941	488.761	ppb	0.9459	0.2	145473
Tl 190.794	-3.4693	ppb	2.8006	80.7	-27.9189
V 292.401	287.397	ppb	0.9675	0.3	8098.25
Zn 206.200	208.700	ppb	1.3206	0.6	247.763

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89890-a-18-a (Samp) 5/9/2013, 1:47:14 AM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4684u	-0.6704u	-0.9516u
Al 308.215	108423	108010	108021
As 188.980	90.2772	88.6123	86.4183
B 249.678	-21.5607u	-21.9596u	-21.6188u
Ba 389.178	191.129	192.099	192.766
Be 313.042	3.1754	3.1776	3.1804
Ca 370.602	20039	20016	20079
Cd 226.502	0.5896	0.3673	0.6969
Co 228.615	18.7650	18.3469	17.7999
Cr 267.716	337.121	336.887	338.308
Cu 324.754	51.0794	50.9513	51.9968
Fe 271.441	235190	234566	235579
K 766.491	6070.37	6048.02	6087.40
Mg 279.078	7797.67	7766.64	7803.08
Mn 257.610	666.993	671.044	678.877
Mo 202.032	5.6782	5.2249	6.1457
Na 330.237	1447.75u	1452.65u	1409.37u
Ni 231.604	90.2017	88.8381	89.7202
Pb 220.353	76.3535	79.7742	81.0128
Sb 206.834	-0.2560	-0.3764	-2.7277
Se 196.026	-3.4090u	-0.4664	-4.4800u
Sn 189.925	19.5983	16.2381	16.2192
Sr 216.596	91.0751	90.4781	91.1319
Ti 334.941	212.439	212.267	213.035
Tl 190.794	-0.4313u	-3.5531u	-8.0604u
V 292.401	376.802	376.584	377.414
Zn 206.200	247.946	246.057	246.378

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6968	ppb	0.2427	34.8	-89.5856
Al 308.215	108151	ppb	235.628	0.2	433189
As 188.980	88.4359	ppb	1.9355	2.2	34.0487
B 249.678	-21.7130	ppb	0.2155	1.0	-226.912
Ba 389.178	191.998	ppb	0.8229	0.4	4627.85
Be 313.042	3.1778	ppb	0.0025	0.1	5449.68
Ca 370.602	20045	ppb	31.69	0.2	43325
Cd 226.502	0.5512	ppb	0.1681	30.5	845.920
Co 228.615	18.3040	ppb	0.4840	2.6	245.591
Cr 267.716	337.439	ppb	0.7618	0.2	17299.5
Cu 324.754	51.3425	ppb	0.5703	1.1	2653.67
Fe 271.441	235112	ppb	510.644	0.2	424257
K 766.491	6068.60	ppb	19.7489	0.3	229780
Mg 279.078	7789.13	ppb	19.6622	0.3	17555.6
Mn 257.610	672.305	ppb	6.0413	0.9	40760.9
Mo 202.032	5.6830	ppb	0.4604	8.1	50.1951
Na 330.237	1436.59	ppb	23.7012	1.6	9.6197
Ni 231.604	89.5867	ppb	0.6916	0.8	266.118
Pb 220.353	79.0468	ppb	2.4133	3.1	191.432
Sb 206.834	-1.1200	ppb	1.3936	124.4	11.2794
Se 196.026	-2.7851	ppb	2.0783	74.6	11.8429
Sn 189.925	17.3519	ppb	1.9455	11.2	6.2801
Sr 216.596	90.8951	ppb	0.3622	0.4	1251.70
Ti 334.941	212.580	ppb	0.4029	0.2	63303.9
Tl 190.794	-4.0149	ppb	3.8354	95.5	-31.5327
V 292.401	376.933	ppb	0.4305	0.1	10621.8
Zn 206.200	246.794	ppb	1.0106	0.4	413.354

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89890-a-19-a (Samp)**      **5/9/2013, 1:52:39 AM**      **Rack 2, Tube 55****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1864u	-1.6143u	-0.8021u
Al 308.215	109626	109575	109670
As 188.980	287.583	286.331	289.744
B 249.678	49.8055	52.0519	52.5038
Ba 389.178	809.142	809.157	809.250
Be 313.042	12.4056	12.4066	12.4329
Ca 370.602	242437	243028	242938
Cd 226.502	0.6223	0.9930	0.7296
Co 228.615	80.3661	79.2236	79.6844
Cr 267.716	217.064	216.732	216.776
Cu 324.754	177.086	180.878	179.343
Fe 271.441	293016	292528	292706
K 766.491	11981.8	11983.4	12046.6
Mg 279.078	49098.4	49012.4	48958.8
Mn 257.610	6931.00	6939.03	6897.09
Mo 202.032	11.2748	10.8206	11.4888
Na 330.237	2916.96u	2491.24u	2808.74u
Ni 231.604	87.5670	85.8292	83.7691
Pb 220.353	381.550	381.408	376.985
Sb 206.834	-4.7450	9.4176	8.1141
Se 196.026	1.8338	-2.1646	4.4934
Sn 189.925	32.5760	28.8865	30.5830
Sr 216.596	467.031	465.091	465.020
Ti 334.941	1464.05	1465.16	1463.64
Tl 190.794	7.1311u	2.1730u	6.7772u
V 292.401	346.892	346.481	346.756
Zn 206.200	479.391	484.724	481.226

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2009	ppb	0.4063	33.8	-117.709
Al 308.215	109624	ppb	47.3989	0.0	439085
As 188.980	287.886	ppb	1.7267	0.6	127.233
B 249.678	51.4537	ppb	1.4452	2.8	654.488
Ba 389.178	809.183	ppb	0.0583	0.0	18610.2
Be 313.042	12.4150	ppb	0.0155	0.1	22464.7
Ca 370.602	242801	ppb	318.2	0.1	726374
Cd 226.502	0.7816	ppb	0.1908	24.4	1048.01
Co 228.615	79.7580	ppb	0.5748	0.7	1081.53
Cr 267.716	216.857	ppb	0.1807	0.1	11187.4
Cu 324.754	179.102	ppb	1.9072	1.1	8462.47
Fe 271.441	292750	ppb	246.649	0.1	528245
K 766.491	12004.0	ppb	36.9624	0.3	454224
Mg 279.078	49023.2	ppb	70.4454	0.1	110201
Mn 257.610	6922.38	ppb	22.2649	0.3	416756
Mo 202.032	11.1947	ppb	0.3412	3.0	89.9175
Na 330.237	2738.98	ppb	221.269	8.1	36.1089
Ni 231.604	85.7218	ppb	1.9012	2.2	255.980
Pb 220.353	379.981	ppb	2.5955	0.7	793.239
Sb 206.834	4.2622	ppb	7.8277	183.7	17.8249
Se 196.026	1.3875	ppb	3.3514	241.5	16.1076
Sn 189.925	30.6818	ppb	1.8467	6.0	19.3157
Sr 216.596	465.714	ppb	1.1413	0.2	5940.01
Ti 334.941	1464.28	ppb	0.7830	0.1	436019
Tl 190.794	5.3604	ppb	2.7661	51.6	-34.4573
V 292.401	346.710	ppb	0.2094	0.1	9795.16
Zn 206.200	481.780	ppb	2.7995	0.6	789.847

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680-89890-a-20-a (Samp) 5/9/2013, 1:58:05 AM Rack 2, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.8634u	-2.2090u	-1.7067u
Al 308.215	170858	170745	170412
As 188.980	187.247	179.481	172.566
B 249.678	92.6786	91.8175	93.9243
Ba 389.178	1044.01	1043.81	1044.88
Be 313.042	17.3820	17.4169	17.4078
Ca 370.602	368345	366000	367487
Cd 226.502	1.6549	1.5319	1.4616
Co 228.615	70.6626	69.5426	69.7749
Cr 267.716	575.283	579.546	579.414
Cu 324.754	112.955	113.551	112.733
Fe 271.441	273523	273345	273161
K 766.491	17257.8	17257.5	17394.0
Mg 279.078	65713.1	65906.5	65711.5
Mn 257.610	6869.93	6901.15	6902.63
Mo 202.032	9.3182	9.5785	10.7519
Na 330.237	3414.96	3223.39	3358.92
Ni 231.604	93.9354	92.8474	94.6550
Pb 220.353	242.759	240.506	244.489
Sb 206.834	5.9979	6.3427	-3.9378
Se 196.026	-8.6930u	-11.5658u	-3.6190
Sn 189.925	22.2339	20.6317	23.2120
Sr 216.596	654.021	652.760	650.655
Ti 334.941	1811.56	1820.63	1824.23
Tl 190.794	4.7903u	12.6169u	4.8497u
V 292.401	500.887	502.582	502.039
Zn 206.200	679.540	680.524	677.472

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9264	ppb	0.2570	13.3	-181.426
Al 308.215	170672	ppb	232.044	0.1	683586
As 188.980	179.765	ppb	7.3444	4.1	78.5337
B 249.678	92.8068	ppb	1.0592	1.1	1220.47
Ba 389.178	1044.23	ppb	0.5655	0.1	23881.6
Be 313.042	17.4022	ppb	0.0181	0.1	31655.0
Ca 370.602	367277	ppb	1186	0.3	1111981
Cd 226.502	1.5495	ppb	0.0978	6.3	1013.35
Co 228.615	69.9934	ppb	0.5911	0.8	966.664
Cr 267.716	578.081	ppb	2.4242	0.4	29630.7
Cu 324.754	113.080	ppb	0.4233	0.4	5462.19
Fe 271.441	273343	ppb	180.666	0.1	493236
K 766.491	17303.1	ppb	78.7290	0.5	654611
Mg 279.078	65777.1	ppb	112.113	0.2	147860
Mn 257.610	6891.23	ppb	18.4654	0.3	414916
Mo 202.032	9.8829	ppb	0.7637	7.7	80.4739
Na 330.237	3332.42	ppb	98.4955	3.0	72.1534
Ni 231.604	93.8126	ppb	0.9100	1.0	279.605
Pb 220.353	242.585	ppb	1.9971	0.8	519.919
Sb 206.834	2.8009	ppb	5.8385	208.4	19.8392
Se 196.026	-7.9593	ppb	4.0239	50.6	10.9909
Sn 189.925	22.0259	ppb	1.3027	5.9	10.9830
Sr 216.596	652.479	ppb	1.7005	0.3	8255.01
Ti 334.941	1818.81	ppb	6.5308	0.4	541607
Tl 190.794	7.4189	ppb	4.5017	60.7	-31.1073
V 292.401	501.836	ppb	0.8655	0.2	14161.6
Zn 206.200	679.179	ppb	1.5580	0.2	1097.31

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**mb 680-275990/1-a (Samp)**      **5/9/2013, 2:03:30 AM**      **Rack 2, Tube 57**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0923u	-0.2791u	0.3571
Al 308.215	36.6974	38.4700	33.3558
As 188.980	0.1037	-10.3313u	0.6713
B 249.678	-17.4495u	-17.7163u	-16.9366u
Ba 389.178	0.6122	0.0875	0.1453
Be 313.042	0.0055	-0.0012u	0.0036
Ca 370.602	75.76	82.93	67.35
Cd 226.502	-0.0597u	-0.1802u	0.0117
Co 228.615	0.0717	-0.3473u	-0.3012u
Cr 267.716	0.0644	0.2117	-0.1340u
Cu 324.754	-0.6696u	-0.4097u	-0.5604u
Fe 271.441	70.3983	68.2442	65.5359
K 766.491	2.6387	4.5756	3.1662
Mg 279.078	14.9599	17.5314	14.8585
Mn 257.610	1.4780	1.5772	1.3927
Mo 202.032	-0.0398u	-0.7952u	-0.7944u
Na 330.237	-107.719u	-78.4016u	102.616
Ni 231.604	-0.6518u	-0.3603u	-0.5318u
Pb 220.353	0.2834	0.3410	0.5867
Sb 206.834	5.0389	3.2518	0.1621
Se 196.026	2.0109	3.2774	-8.3300u
Sn 189.925	-2.0109u	1.0569	-0.2048u
Sr 216.596	0.5043	0.8478	0.1832
Ti 334.941	0.5367	0.5901	0.5189
Tl 190.794	-1.2595u	-1.6549u	-1.3004u
V 292.401	0.2018	0.1461	-0.1161u
Zn 206.200	-1.0338u	-0.7574u	0.0038

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0047	ppb	0.3270	6905.1	-37.3301
Al 308.215	36.1744	ppb	2.5969	7.2	180.587
As 188.980	-3.1854	ppb	6.1950	194.5	-6.5039
B 249.678	-17.3675	ppb	0.3962	2.3	137.052
Ba 389.178	0.2817	ppb	0.2877	102.1	-1.6583
Be 313.042	0.0026	ppb	0.0034	130.1	-371.903
Ca 370.602	75.35	ppb	7.799	10.4	241.7
Cd 226.502	-0.0761	ppb	0.0970	127.5	33.5833
Co 228.615	-0.1923	ppb	0.2298	119.5	6.0252
Cr 267.716	0.0474	ppb	0.1735	366.3	8.2478
Cu 324.754	-0.5466	ppb	0.1305	23.9	240.918
Fe 271.441	68.0595	ppb	2.4365	3.6	234.422
K 766.491	3.4602	ppb	1.0014	28.9	428.346
Mg 279.078	15.7832	ppb	1.5148	9.6	71.7926
Mn 257.610	1.4826	ppb	0.0924	6.2	232.511
Mo 202.032	-0.5431	ppb	0.4359	80.3	15.2978
Na 330.237	-27.8346	ppb	113.921	409.3	56.3315
Ni 231.604	-0.5146	ppb	0.1465	28.5	-7.3611
Pb 220.353	0.4037	ppb	0.1611	39.9	32.0397
Sb 206.834	2.8176	ppb	2.4672	87.6	5.7003
Se 196.026	-1.0139	ppb	6.3675	628.0	11.1184
Sn 189.925	-0.3862	ppb	1.5419	399.2	-10.9254
Sr 216.596	0.5118	ppb	0.3324	64.9	22.9290
Ti 334.941	0.5486	ppb	0.0370	6.8	131.237
Tl 190.794	-1.4050	ppb	0.2174	15.5	-15.1315
V 292.401	0.0773	ppb	0.1698	219.6	-7.8616
Zn 206.200	-0.5958	ppb	0.5373	90.2	-0.6102

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ics 680-275990/2-a (Samp)      5/9/2013, 2:08:56 AM      Rack 2, Tube 58  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	20.4574	20.6929	20.6610
Al 308.215	2000.44	2011.04	2005.37
As 188.980	43.3220	45.9082	34.8632
B 249.678	59.6837	61.3967	59.9723
Ba 389.178	42.4539	42.7308	41.5405
Be 313.042	21.4203	21.4942	21.4389
Ca 370.602	1971	1979	1973
Cd 226.502	21.3844	21.3869	21.3783
Co 228.615	21.0734	21.4953	21.7452
Cr 267.716	42.0440	42.4320	42.2034
Cu 324.754	43.1959	42.9319	42.6209
Fe 271.441	2012.63	2014.44	2008.41
K 766.491	2043.08	2061.14	2050.67
Mg 279.078	2035.42	2048.51	2030.44
Mn 257.610	214.556	215.101	212.974
Mo 202.032	38.7878	39.5984	39.4448
Na 330.237	1950.55	2020.38	1993.01
Ni 231.604	41.6767	42.2053	40.1458
Pb 220.353	19.7541	19.1011	19.0911
Sb 206.834	24.0256	21.6837	22.3240
Se 196.026	41.3485	36.3420	38.0861
Sn 189.925	81.6395	83.2687	78.6010
Sr 216.596	41.4891	41.3079	40.2285
Ti 334.941	39.9098	40.0959	39.9881
Tl 190.794	9.9200	17.2392	15.0215
V 292.401	41.0280	40.8159	40.2581
Zn 206.200	43.2503	43.9172	43.0621

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.6037	ppb	0.1278	0.6	1546.48
Al 308.215	2005.62	ppb	5.3004	0.3	8071.58
As 188.980	41.3644	ppb	5.7769	14.0	14.0141
B 249.678	60.3509	ppb	0.9171	1.5	1150.48
Ba 389.178	42.2418	ppb	0.6229	1.5	944.563
Be 313.042	21.4511	ppb	0.0384	0.2	38965.0
Ca 370.602	1974	ppb	3.987	0.2	5960
Cd 226.502	21.3832	ppb	0.0044	0.0	884.764
Co 228.615	21.4380	ppb	0.3395	1.6	287.970
Cr 267.716	42.2265	ppb	0.1950	0.5	2163.42
Cu 324.754	42.9162	ppb	0.2879	0.7	2212.77
Fe 271.441	2011.83	ppb	3.0900	0.2	3744.93
K 766.491	2051.63	ppb	9.0638	0.4	77879.4
Mg 279.078	2038.12	ppb	9.3362	0.5	4616.41
Mn 257.610	214.210	ppb	1.1046	0.5	13031.6
Mo 202.032	39.2770	ppb	0.4305	1.1	323.966
Na 330.237	1987.98	ppb	35.1817	1.8	158.251
Ni 231.604	41.3426	ppb	1.0696	2.6	117.141
Pb 220.353	19.3154	ppb	0.3799	2.0	69.8087
Sb 206.834	22.6778	ppb	1.2104	5.3	29.3748
Se 196.026	38.5922	ppb	2.5413	6.6	32.3217
Sn 189.925	81.1697	ppb	2.3691	2.9	68.1699
Sr 216.596	41.0085	ppb	0.6816	1.7	522.412
Ti 334.941	39.9979	ppb	0.0935	0.2	11881.4
Tl 190.794	14.0602	ppb	3.7531	26.7	0.8069
V 292.401	40.7007	ppb	0.3977	1.0	1130.02
Zn 206.200	43.4099	ppb	0.4493	1.0	687341

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680-90091-a-1-a (Samp) 5/9/2013, 2:14:22 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3915u	0.0299u	0.1882
Al 308.215	27.2471	25.5466	26.5085
As 188.980	16.7519	14.5819	15.8767
B 249.678	20.2117	18.9165	20.2122
Ba 389.178	30.9204	31.2116	31.3492
Be 313.042	0.0575	0.0656	0.0702
Ca 370.602	10002	9989	9964
Cd 226.502	0.0442	-0.2256	-0.1222
Co 228.615	2.5201	2.4079	2.6836
Cr 267.716	0.0221	0.4831	0.1971
Cu 324.754	-0.0139	0.0219	0.3022
Fe 271.441	11278.7	11265.5	11249.0
K 766.491	2801.94	2790.36	2780.23
Mg 279.078	2325.21	2331.59	2323.28
Mn 257.610	54.5589	54.1809	54.6704
Mo 202.032	-0.4284u	0.0710u	-0.2712u
Na 330.237	6674.54	6798.76	6691.09
Ni 231.604	2.0196	1.3260	0.7095
Pb 220.353	1.1797	0.8032	0.7737
Sb 206.834	3.3740	2.7058	5.1038
Se 196.026	3.3021	-3.0591u	-3.4836u
Sn 189.925	-1.0213u	1.1089	-4.7851u
Sr 216.596	76.1416	76.1009	75.8528
Ti 334.941	0.0974	0.0793	0.1078
Tl 190.794	1.4124	-1.0007u	-1.3442u
V 292.401	0.4080	0.2717	0.3790
Zn 206.200	5.1159	6.3627	4.3904

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0578	ppb	0.2996	518.3	-44.7337
Al 308.215	26.4340	ppb	0.8527	3.2	141.592
As 188.980	15.7368	ppb	1.0918	6.9	2.2054
B 249.678	19.7801	ppb	0.7479	3.8	608.058
Ba 389.178	31.1604	ppb	0.2189	0.7	709.928
Be 313.042	0.0644	ppb	0.0064	9.9	-256.419
Ca 370.602	9985	ppb	19.42	0.2	29932
Cd 226.502	-0.1012	ppb	0.1361	134.5	70.0326
Co 228.615	2.5372	ppb	0.1386	5.5	41.1959
Cr 267.716	0.2341	ppb	0.2327	99.4	20.9625
Cu 324.754	0.1034	ppb	0.1731	167.4	273.400
Fe 271.441	11264.4	ppb	14.8646	0.1	20432.9
K 766.491	2790.84	ppb	10.8639	0.4	105833
Mg 279.078	2326.69	ppb	4.3523	0.2	5270.62
Mn 257.610	54.4700	ppb	0.2566	0.5	3433.18
Mo 202.032	-0.2095	ppb	0.2553	121.9	17.2841
Na 330.237	6721.46	ppb	67.4506	1.0	397.302
Ni 231.604	1.3517	ppb	0.6554	48.5	-1.5488
Pb 220.353	0.9189	ppb	0.2263	24.6	33.0811
Sb 206.834	3.7279	ppb	1.2375	33.2	7.0813
Se 196.026	-1.0802	ppb	3.8011	351.9	11.1680
Sn 189.925	-1.5658	ppb	2.9844	190.6	-12.0621
Sr 216.596	76.0318	ppb	0.1563	0.2	963.242
Ti 334.941	0.0948	ppb	0.0144	15.2	8.1565
Tl 190.794	-0.3108	ppb	1.5022	483.3	-14.6636
V 292.401	0.3529	ppb	0.0718	20.3	-0.1633
Zn 206.200	5.2897	ppb	0.9975	18.9	0.8712

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**680-90091-a-1-b ms (Samp) 5/9/2013, 2:19:48 AM Rack 2, Tube 60****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	20.6494	21.1183	20.6886
Al 308.215	2092.48	2098.05	2099.06
As 188.980	53.4279	52.4866	59.0958
B 249.678	97.4027	97.6952	98.0410
Ba 389.178	72.6520	72.3999	72.2987
Be 313.042	22.3373	22.3644	22.2814
Ca 370.602	10968	11016	11001
Cd 226.502	21.9690	21.5340	21.7780
Co 228.615	24.9640	25.3829	24.9081
Cr 267.716	44.0105	43.6979	43.9733
Cu 324.754	44.8020	44.1432	44.8194
Fe 271.441	12214.7	12220.5	12172.7
K 766.491	4665.09	4635.66	4613.45
Mg 279.078	4306.66	4322.63	4310.85
Mn 257.610	281.631	277.244	276.958
Mo 202.032	40.6996	41.1218	42.4052
Na 330.237	8468.37	8600.53	8722.84
Ni 231.604	46.0707	46.8951	45.9807
Pb 220.353	22.6651	21.3293	20.8332
Sb 206.834	26.7354	21.9323	24.8234
Se 196.026	32.9214	38.3532	43.0037
Sn 189.925	80.4008	81.9954	83.8811
Sr 216.596	111.345	112.331	111.023
Ti 334.941	41.3078	41.1502	41.3265
Tl 190.794	16.8790	21.9208	16.5223
V 292.401	42.7948	42.2717	42.3291
Zn 206.200	50.5239	50.2099	50.4600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.8188	ppb	0.2601	1.2	1559.96
Al 308.215	2096.53	ppb	3.5461	0.2	8435.86
As 188.980	55.0035	ppb	3.5752	6.5	20.2896
B 249.678	97.7130	ppb	0.3195	0.3	1625.59
Ba 389.178	72.4502	ppb	0.1819	0.3	1639.71
Be 313.042	22.3277	ppb	0.0423	0.2	40574.5
Ca 370.602	10995	ppb	24.29	0.2	32985
Cd 226.502	21.7603	ppb	0.2180	1.0	933.685
Co 228.615	25.0850	ppb	0.2595	1.0	335.136
Cr 267.716	43.8939	ppb	0.1708	0.4	2251.53
Cu 324.754	44.5882	ppb	0.3855	0.9	2291.36
Fe 271.441	12202.6	ppb	26.0912	0.2	22129.6
K 766.491	4638.07	ppb	25.9032	0.6	175685
Mg 279.078	4313.38	ppb	8.2797	0.2	9734.64
Mn 257.610	278.611	ppb	2.6195	0.9	16917.8
Mo 202.032	41.4089	ppb	0.8883	2.1	339.950
Na 330.237	8597.25	ppb	127.271	1.5	492.512
Ni 231.604	46.3155	ppb	0.5040	1.1	132.166
Pb 220.353	21.6092	ppb	0.9474	4.4	74.4025
Sb 206.834	24.4970	ppb	2.4181	9.9	31.8015
Se 196.026	38.0928	ppb	5.0462	13.2	32.1367
Sn 189.925	82.0924	ppb	1.7422	2.1	69.0715
Sr 216.596	111.566	ppb	0.6816	0.6	1400.63
Ti 334.941	41.2615	ppb	0.0968	0.2	12269.1
Tl 190.794	18.4407	ppb	3.0191	16.4	4.7914
V 292.401	42.4652	ppb	0.2869	0.7	1179.35
Zn 206.200	50.3979	ppb	0.1660	0.3	80.8372



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Cont Calib Verif (CCV) 5/9/2013, 2:25:15 AM Rack 3, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.056	498.351	501.459
Al 308.215	4932.81	4989.33	4960.09
As 188.980	498.427	512.831	502.432
B 249.678	497.624	500.776	502.047
Ba 389.178	5140.33	5129.57	5134.89
Be 313.042	521.041	521.375	519.580
Ca 370.602	5041	5042	5043
Cd 226.502	519.175	519.636	520.235
Co 228.615	525.516	525.805	525.077
Cr 267.716	5219.23	5213.23	5208.16
Cu 324.754	5254.20	5108.25	5252.53
Fe 271.441	5007.72	4999.12	4990.84
K 766.491	10278.3	10202.4	10206.7
Mg 279.078	5009.74	5018.09	5007.55
Mn 257.610	5322.64	5279.00	5282.46
Mo 202.032	503.597	503.202	505.444
Na 330.237	7365.35	7319.07	7171.37
Ni 231.604	2605.78	2610.67	2604.42
Pb 220.353	496.688	497.435	497.733
Sb 206.834	993.050	993.084	988.688
Se 196.026	4949.93	4955.83	4952.68
Sn 189.925	5049.38	5030.56	5083.03
Sr 216.596	2551.07	2554.66	2551.86
Ti 334.941	501.016	499.414	498.758
Tl 190.794	5060.89	5052.29	5082.29
V 292.401	5024.22	5005.06	5008.50
Zn 206.200	2592.99	2597.61	2599.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.956	ppb	2.3926	0.5	38415.7	100.19112
Al 308.215	4960.74	ppb	28.2647	0.6	19888.5	99.21488
As 188.980	504.563	ppb	7.4347	1.5	227.339	100.91268
B 249.678	500.149	ppb	2.2772	0.5	6895.68	20.00597Q
Ba 389.178	5134.93	ppb	5.3805	0.1	114833	102.69868
Be 313.042	520.665	ppb	0.9543	0.2	954451	104.13307
Ca 370.602	5042	ppb	0.6621	0.0	15449	100.83921
Cd 226.502	519.682	ppb	0.5319	0.1	20508.4	103.93640
Co 228.615	525.466	ppb	0.3665	0.1	6876.26	105.09328
Cr 267.716	5213.54	ppb	5.5391	0.1	266244	104.27081
Cu 324.754	5204.99	ppb	83.7884	1.6	236241	104.09983
Fe 271.441	4999.22	ppb	8.4388	0.2	9265.97	99.98449
K 766.491	10229.1	ppb	42.6067	0.4	387110	102.29130
Mg 279.078	5011.79	ppb	5.5589	0.1	11217.4	100.23585
Mn 257.610	5294.70	ppb	24.2586	0.5	318552	105.89400
Mo 202.032	504.081	ppb	1.1968	0.2	3918.89	100.81625
Na 330.237	7285.26	ppb	101.314	1.4	406.266	97.13686
Ni 231.604	2606.96	ppb	3.2846	0.1	7745.62	104.27833
Pb 220.353	497.285	ppb	0.5386	0.1	1024.51	99.45709
Sb 206.834	991.607	ppb	2.5285	0.3	1237.00	99.16072
Se 196.026	4952.82	ppb	2.9561	0.1	2655.87	99.05630
Sn 189.925	5054.33	ppb	26.5834	0.5	4891.18	101.08654
Sr 216.596	2552.53	ppb	1.8880	0.1	31513.9	102.10117
Ti 334.941	499.730	ppb	1.1616	0.2	148713	99.94595
Tl 190.794	5065.16	ppb	15.4506	0.3	5340.20	101.30311
V 292.401	5012.59	ppb	10.2127	0.2	141213	100.25185
Zn 206.200	2596.62	ppb	3.2477	0.1	4071.74	103.86467

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Cont Calib Blank (CCB)                      5/9/2013, 2:30:41 AM                      Rack 3, Tube 2  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0184u	-0.4602u	0.2379
Al 308.215	3.8926	2.1907	2.4153
As 188.980	-9.1860u	-6.8021u	-5.2685u
B 249.678	-9.2027u	-8.7407u	-10.2469u
Ba 389.178	0.1572	0.5680	0.0733
Be 313.042	0.0024	-0.0019u	0.0026
Ca 370.602	-9.590u	0.1942	-3.326u
Cd 226.502	-0.0908u	-0.0009u	-0.0517u
Co 228.615	0.4542	0.2961	-0.0346u
Cr 267.716	0.0128	-0.1070u	-0.0944u
Cu 324.754	-0.5836u	-0.1356u	-0.2851u
Fe 271.441	-9.3210u	-4.3312u	-6.9237u
K 766.491	-0.2419u	-0.2859u	-0.4006u
Mg 279.078	0.0021	3.7585	3.2432
Mn 257.610	-0.2917u	-0.1416u	-0.3144u
Mo 202.032	0.0710	-0.6069u	-0.0209u
Na 330.237	206.092	20.6243	-61.9786u
Ni 231.604	-1.2148u	1.8981	-0.7543u
Pb 220.353	0.9657	2.8052	-0.4976u
Sb 206.834	5.4684	6.1357	5.2042
Se 196.026	0.0331	2.7714	3.3594
Sn 189.925	-1.4701u	-3.8153u	-2.2042u
Sr 216.596	-0.4379u	0.3318	-0.0825u
Ti 334.941	0.0215	0.0525	0.0042
Tl 190.794	-2.1320u	3.3041	0.6916
V 292.401	0.1285	0.0017	0.1352
Zn 206.200	-1.2575u	-0.1637u	0.0754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0802	ppb	0.3531	440.2	-43.1126	-0.08022
Al 308.215	2.8329	ppb	0.9246	32.6	47.0761	2.83286
As 188.980	-7.0855	ppb	1.9741	27.9	-8.3009	-7.08552
B 249.678	-9.3968	ppb	0.7716	8.2	241.345	-9.39676
Ba 389.178	0.2662	ppb	0.2647	99.5	-2.1386	0.26617
Be 313.042	0.0010	ppb	0.0025	244.6	-374.930	0.00104
Ca 370.602	-4.241	ppb	4.956	116.9	1.978	-4.24079
Cd 226.502	-0.0478	ppb	0.0451	94.4	34.4464	-0.04777
Co 228.615	0.2386	ppb	0.2494	104.5	11.6259	0.23856
Cr 267.716	-0.0628	ppb	0.0658	104.8	2.5929	-0.06283
Cu 324.754	-0.3348	ppb	0.2281	68.1	250.506	-0.33479
Fe 271.441	-6.8586	ppb	2.4955	36.4	99.3412	-6.85864
K 766.491	-0.3095	ppb	0.0820	26.5	285.799	-0.30946
Mg 279.078	2.3346	ppb	2.0364	87.2	41.5699	2.33459
Mn 257.610	-0.2492	ppb	0.0939	37.7	128.277	-0.24925
Mo 202.032	-0.1856	ppb	0.3677	198.1	18.0747	-0.18563
Na 330.237	54.9127	ppb	137.285	250.0	60.6226	54.91269
Ni 231.604	-0.0237	ppb	1.6802	7096.8	-5.9031	-0.02367
Pb 220.353	1.0911	ppb	1.6550	151.7	33.4111	1.09108
Sb 206.834	5.6028	ppb	0.4801	8.6	8.9952	5.60275
Se 196.026	2.0546	ppb	1.7752	86.4	12.7548	2.05463
Sn 189.925	-2.4965	ppb	1.1996	48.1	-12.9719	-2.49652
Sr 216.596	-0.0629	ppb	0.3852	612.6	15.7652	-0.06288
Ti 334.941	0.0261	ppb	0.0245	93.8	-24.3359	0.02607
Tl 190.794	0.6212	ppb	2.7187	437.6	-12.9808	0.62124
V 292.401	0.0885	ppb	0.0752	85.0	-7.6043	0.08848
Zn 206.200	-0.4486	ppb	0.7196	158.4	0.3863	-0.44858

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**680-90091-a-1-c msd (Samp) 5/9/2013, 2:36:07 AM Rack 3, Tube 3****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	20.8561	20.7459	21.0322
Al 308.215	2084.46	2083.17	2084.16
As 188.980	50.4505	58.1296	57.4803
B 249.678	97.0753	98.3982	99.2282
Ba 389.178	71.8286	71.3194	71.3597
Be 313.042	22.2118	22.2168	22.2357
Ca 370.602	10654	10646	10666
Cd 226.502	21.5820	21.6496	21.7670
Co 228.615	25.2875	24.8926	24.8658
Cr 267.716	43.3642	43.7349	43.6118
Cu 324.754	44.3353	44.8133	43.7037
Fe 271.441	12255.5	12304.5	12311.4
K 766.491	4456.00	4480.87	4484.06
Mg 279.078	4241.67	4253.85	4271.09
Mn 257.610	272.722	274.788	276.532
Mo 202.032	40.1890	40.9222	41.1074
Na 330.237	8545.46	8508.49	8590.56
Ni 231.604	44.6911	44.9845	45.3998
Pb 220.353	20.5671	19.5453	21.0169
Sb 206.834	27.7720	21.9546	21.3408
Se 196.026	42.4703	33.9505	44.7021
Sn 189.925	83.0695	80.3833	82.4485
Sr 216.596	107.679	107.224	108.580
Ti 334.941	40.8255	40.8678	40.9736
Tl 190.794	14.2070	15.4976	16.4799
V 292.401	42.3823	42.4590	42.5354
Zn 206.200	50.0258	49.8073	49.4201

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.8781	ppb	0.1444	0.7	1564.69
Al 308.215	2083.93	ppb	0.6755	0.0	8385.33
As 188.980	55.3535	ppb	4.2585	7.7	20.4477
B 249.678	98.2339	ppb	1.0858	1.1	1632.30
Ba 389.178	71.5026	ppb	0.2831	0.4	1618.48
Be 313.042	22.2214	ppb	0.0126	0.1	40379.6
Ca 370.602	10655	ppb	10.11	0.1	31931
Cd 226.502	21.6662	ppb	0.0936	0.4	930.254
Co 228.615	25.0153	ppb	0.2361	0.9	334.239
Cr 267.716	43.5703	ppb	0.1888	0.4	2235.01
Cu 324.754	44.2841	ppb	0.5566	1.3	2277.58
Fe 271.441	12290.5	ppb	30.4670	0.2	22288.1
K 766.491	4473.64	ppb	15.3643	0.3	169467
Mg 279.078	4255.54	ppb	14.7858	0.3	9604.60
Mn 257.610	274.681	ppb	1.9072	0.7	16681.3
Mo 202.032	40.7395	ppb	0.4857	1.2	334.754
Na 330.237	8548.17	ppb	41.0996	0.5	489.959
Ni 231.604	45.0252	ppb	0.3561	0.8	128.331
Pb 220.353	20.3764	ppb	0.7541	3.7	71.9410
Sb 206.834	23.6891	ppb	3.5492	15.0	30.8527
Se 196.026	40.3743	ppb	5.6740	14.1	33.3540
Sn 189.925	81.9671	ppb	1.4063	1.7	68.9498
Sr 216.596	107.828	ppb	0.6904	0.6	1354.45
Ti 334.941	40.8890	ppb	0.0763	0.2	12157.9
Tl 190.794	15.3948	ppb	1.1399	7.4	1.5676
V 292.401	42.4589	ppb	0.0765	0.2	1179.34
Zn 206.200	49.7511	ppb	0.3068	0.6	79.8290

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**680-90091-a-2-a (Samp)**                      **5/9/2013, 2:41:34 AM**                      **Rack 3, Tube 4**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1220u	0.5835	-0.3895u
Al 308.215	24.3014	21.3572	23.1437
As 188.980	15.5430	9.3067	11.9538
B 249.678	19.4407	18.5339	19.4315
Ba 389.178	28.7477	29.4353	29.2280
Be 313.042	0.0807	0.0716	0.0704
Ca 370.602	9523	9467	9449
Cd 226.502	-0.3465	-0.1702	-0.1239
Co 228.615	2.6254	3.8551	2.5518
Cr 267.716	0.4270	0.3765	0.2744
Cu 324.754	-0.1249u	-0.7927u	-0.5128u
Fe 271.441	11673.3	11609.1	11601.1
K 766.491	2389.44	2392.80	2390.33
Mg 279.078	2192.68	2181.99	2189.25
Mn 257.610	52.7136	53.3946	53.9062
Mo 202.032	-0.2433u	-0.1192u	-0.8376u
Na 330.237	6504.88	6542.31	6421.93
Ni 231.604	2.1434	1.5694	1.8681
Pb 220.353	-0.7593u	1.2243	-0.2659u
Sb 206.834	1.4132	3.9987	3.8105
Se 196.026	-9.2460u	-1.8548u	-5.4315u
Sn 189.925	-2.9819u	-0.3064u	-0.5416u
Sr 216.596	69.1682	69.5301	69.9303
Ti 334.941	0.0263	0.0334	0.1380
Tl 190.794	0.3432u	-1.0271u	2.3548
V 292.401	0.3441	0.5622	0.1724
Zn 206.200	5.6780	5.3211	6.2970

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0240	ppb	0.5026	2095.1	-38.1527
Al 308.215	22.9341	ppb	1.4833	6.5	127.563
As 188.980	12.2678	ppb	3.1300	25.5	0.6005
B 249.678	19.1354	ppb	0.5209	2.7	599.158
Ba 389.178	29.1370	ppb	0.3527	1.2	664.830
Be 313.042	0.0743	ppb	0.0056	7.6	-238.504
Ca 370.602	9480	ppb	38.61	0.4	28344
Cd 226.502	-0.2136	ppb	0.1175	55.0	66.8152
Co 228.615	3.0107	ppb	0.7322	24.3	47.3648
Cr 267.716	0.3593	ppb	0.0777	21.6	27.4360
Cu 324.754	-0.4768	ppb	0.3353	70.3	247.186
Fe 271.441	11627.8	ppb	39.6249	0.3	21088.6
K 766.491	2390.85	ppb	1.7414	0.1	90707.1
Mg 279.078	2187.97	ppb	5.4586	0.2	4958.70
Mn 257.610	53.3382	ppb	0.5983	1.1	3364.99
Mo 202.032	-0.4001	ppb	0.3840	96.0	15.7871
Na 330.237	6489.71	ppb	61.6089	0.9	385.215
Ni 231.604	1.8603	ppb	0.2870	15.4	-0.0280
Pb 220.353	0.0664	ppb	1.0327	1556.4	31.3782
Sb 206.834	3.0741	ppb	1.4415	46.9	6.3194
Se 196.026	-5.5108	ppb	3.6962	67.1	8.8060
Sn 189.925	-1.2766	ppb	1.4815	116.0	-11.7820
Sr 216.596	69.5429	ppb	0.3812	0.5	883.111
Ti 334.941	0.0659	ppb	0.0625	94.9	-1.0543
Tl 190.794	0.5570	ppb	1.7011	305.4	-13.7634
V 292.401	0.3596	ppb	0.1954	54.3	0.0427
Zn 206.200	5.7654	ppb	0.4938	445.8	50.6589

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**680-90091-a-2-aSD^5 (Samp) 5/9/2013, 2:47:00 AM Rack 3, Tube 5****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4903	-0.2354u	-0.2212u
Al 308.215	7.1625	6.8463	7.0776
As 188.980	2.1348	0.6459	1.0414
B 249.678	-10.7379u	-10.9254u	-11.5588u
Ba 389.178	5.6553	5.7790	7.1551
Be 313.042	0.0056	0.0051	0.0058
Ca 370.602	1901	1893	1878
Cd 226.502	-0.1762	-0.2354u	-0.2109u
Co 228.615	0.5611	0.0903	0.5217
Cr 267.716	0.0588	0.2609	0.2389
Cu 324.754	-0.0648u	-0.5354u	-0.0970u
Fe 271.441	2324.77	2326.41	2310.24
K 766.491	470.873	470.325	466.249
Mg 279.078	441.961	435.450	442.111
Mn 257.610	10.9521	10.9164	11.1187
Mo 202.032	-0.2715u	-1.1890u	-0.6547u
Na 330.237	1606.36	1373.51	1290.34
Ni 231.604	1.4820	0.8344	1.1248
Pb 220.353	-0.7309u	-1.6301u	-1.6243u
Sb 206.834	1.7557	3.6986	2.7325
Se 196.026	-7.3116u	2.2671	-0.1960u
Sn 189.925	-0.4086u	-1.0303u	0.5259
Sr 216.596	13.5743	14.0386	13.8008
Ti 334.941	0.0133	-0.0860u	-0.0390u
Tl 190.794	-0.0521u	-2.0294u	0.5085
V 292.401	0.2976	-0.0562u	0.1539
Zn 206.200	1.7352	1.7162	2.0254

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0112	ppb	0.4149	3690.8	-36.6895
Al 308.215	7.0288	ppb	0.1636	2.3	63.8329
As 188.980	1.2741	ppb	0.7712	60.5	-4.4523
B 249.678	-11.0740	ppb	0.4302	3.9	216.387
Ba 389.178	6.1965	ppb	0.8325	13.4	134.743
Be 313.042	0.0055	ppb	0.0004	6.6	-366.176
Ca 370.602	1890	ppb	11.85	0.6	5664
Cd 226.502	-0.2075	ppb	0.0297	14.3	35.9358
Co 228.615	0.3910	ppb	0.2612	66.8	13.5433
Cr 267.716	0.1862	ppb	0.1109	59.6	15.9724
Cu 324.754	-0.2324	ppb	0.2629	113.1	255.761
Fe 271.441	2320.47	ppb	8.8984	0.4	4297.84
K 766.491	469.149	ppb	2.5261	0.5	18038.3
Mg 279.078	439.840	ppb	3.8033	0.9	1025.84
Mn 257.610	10.9957	ppb	0.1080	1.0	807.340
Mo 202.032	-0.7051	ppb	0.4608	65.4	13.9211
Na 330.237	1423.40	ppb	163.811	11.5	129.724
Ni 231.604	1.1471	ppb	0.3244	28.3	-2.3674
Pb 220.353	-1.3284	ppb	0.5175	39.0	28.5828
Sb 206.834	2.7289	ppb	0.9714	35.6	5.6616
Se 196.026	-1.7468	ppb	4.9741	284.8	10.7441
Sn 189.925	-0.3043	ppb	0.7833	257.4	-10.8445
Sr 216.596	13.8046	ppb	0.2322	1.7	188.575
Ti 334.941	-0.0373	ppb	0.0497	133.4	-40.8988
Tl 190.794	-0.5243	ppb	1.3332	254.3	-14.3366
V 292.401	0.1318	ppb	0.1779	135.0	-6.2987
Zn 206.200	1.8256	ppb	0.1733	9.5	24455

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**680-90091-a-2-aPDS (Samp)**      **5/9/2013, 2:52:26 AM**      **Rack 3, Tube 6**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.9791	49.3589	49.4082
Al 308.215	2007.16	1993.97	1990.82
As 188.980	2179.93	2189.96	2188.95
B 249.678	1033.84	1039.39	1042.71
Ba 389.178	2128.38	2121.88	2118.80
Be 313.042	52.8129	52.5471	52.5209
Ca 370.602	14491	14412	14411
Cd 226.502	52.9843	52.9092	52.4334
Co 228.615	539.611	536.563	535.669
Cr 267.716	210.587	209.707	209.456
Cu 324.754	261.416	263.498	262.594
Fe 271.441	12361.1	12312.0	12303.2
K 766.491	7900.73	7845.96	7861.59
Mg 279.078	7378.20	7344.46	7336.42
Mn 257.610	585.389	585.759	585.499
Mo 202.032	525.699	523.813	523.953
Na 330.237	11798.2	11739.4	11732.1
Ni 231.604	526.705	523.283	523.294
Pb 220.353	504.266	503.333	505.348
Sb 206.834	500.048	498.488	496.860
Se 196.026	2042.17	2023.53	2022.48
Sn 189.925	1060.28	1049.79	1051.39
Sr 216.596	602.079	601.117	600.162
Ti 334.941	1021.73	1019.66	1018.33
Tl 190.794	2127.16	2109.90	2120.53
V 292.401	506.277	503.056	502.357
Zn 206.200	528.463	523.165	521.624

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.2487	ppb	0.2348	0.5	3727.48
Al 308.215	1997.32	ppb	8.6650	0.4	8077.54
As 188.980	2186.28	ppb	5.5239	0.3	1002.19
B 249.678	1038.65	ppb	4.4805	0.4	13925.6
Ba 389.178	2123.02	ppb	4.8879	0.2	47498.4
Be 313.042	52.6270	ppb	0.1616	0.3	96063.5
Ca 370.602	14438	ppb	46.09	0.3	43784
Cd 226.502	52.7756	ppb	0.2988	0.6	2155.01
Co 228.615	537.281	ppb	2.0664	0.4	7029.55
Cr 267.716	209.917	ppb	0.5939	0.3	10729.2
Cu 324.754	262.502	ppb	1.0441	0.4	12180.1
Fe 271.441	12325.4	ppb	31.1856	0.3	22439.4
K 766.491	7869.42	ppb	28.2125	0.4	297878
Mg 279.078	7353.03	ppb	22.1689	0.3	16566.0
Mn 257.610	585.549	ppb	0.1898	0.0	35383.6
Mo 202.032	524.488	ppb	1.0512	0.2	4085.88
Na 330.237	11756.6	ppb	36.2621	0.3	643.584
Ni 231.604	524.427	ppb	1.9724	0.4	1553.75
Pb 220.353	504.315	ppb	1.0084	0.2	1036.89
Sb 206.834	498.465	ppb	1.5941	0.3	588.537
Se 196.026	2029.39	ppb	11.0784	0.5	1094.76
Sn 189.925	1053.82	ppb	5.6504	0.5	1011.46
Sr 216.596	601.119	ppb	0.9586	0.2	7425.78
Ti 334.941	1019.91	ppb	1.7130	0.2	303530
Tl 190.794	2119.20	ppb	8.7078	0.4	2227.49
V 292.401	503.897	ppb	2.0909	0.4	14126.3
Zn 206.200	524.417	ppb	3.5875	0.7	826.425

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**680-90091-a-3-a (Samp)**                      **5/9/2013, 2:57:53 AM**                      **Rack 3, Tube 7**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0242	-0.0647u	-0.2722u
Al 308.215	100.750	94.2035	104.253
As 188.980	-2.8562u	-6.8688u	-1.8596u
B 249.678	20.6058	20.3113	18.5215
Ba 389.178	29.9440	29.9863	30.7333
Be 313.042	0.0503	0.0588	0.0566
Ca 370.602	2539	2542	2545
Cd 226.502	-0.2784	-0.0980	-0.1301
Co 228.615	1.3976	0.8056	1.3573
Cr 267.716	0.1563	0.2375	0.0753
Cu 324.754	-0.2668u	-0.2788u	-0.0993u
Fe 271.441	8753.71	8753.43	8752.06
K 766.491	978.873	977.831	980.299
Mg 279.078	3078.79	3082.91	3084.12
Mn 257.610	62.6749	62.5153	62.5074
Mo 202.032	-0.1007u	-0.3800u	0.3531
Na 330.237	9519.38	9502.19	9618.86
Ni 231.604	1.6547	0.3892	1.1665
Pb 220.353	1.9463	-2.5722u	-0.2119u
Sb 206.834	3.1475	-1.5886u	0.2165
Se 196.026	-2.2044u	-7.7216u	-1.5175u
Sn 189.925	-0.8919u	-0.4142u	-1.2894u
Sr 216.596	36.3274	36.5059	35.7584
Ti 334.941	0.3072	0.2836	0.3559
Tl 190.794	0.5892	1.3451	-0.4231u
V 292.401	0.1484	0.0982	0.1327
Zn 206.200	1.9345	1.2851	2.4658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1042	ppb	0.1521	145.9	-46.4123
Al 308.215	99.7355	ppb	5.1009	5.1	435.201
As 188.980	-3.8616	ppb	2.6516	68.7	-6.8630
B 249.678	19.8129	ppb	1.1280	5.7	611.779
Ba 389.178	30.2212	ppb	0.4440	1.5	687.370
Be 313.042	0.0552	ppb	0.0044	8.0	-276.036
Ca 370.602	2542	ppb	3.372	0.1	7169
Cd 226.502	-0.1688	ppb	0.0962	57.0	58.9125
Co 228.615	1.1869	ppb	0.3308	27.9	23.6648
Cr 267.716	0.1564	ppb	0.0811	51.9	16.4515
Cu 324.754	-0.2150	ppb	0.1003	46.7	258.294
Fe 271.441	8753.07	ppb	0.8843	0.0	15902.3
K 766.491	979.001	ppb	1.2390	0.1	37318.2
Mg 279.078	3081.94	ppb	2.7950	0.1	6968.63
Mn 257.610	62.5658	ppb	0.0945	0.2	3920.23
Mo 202.032	-0.0425	ppb	0.3700	869.7	18.7154
Na 330.237	9546.81	ppb	62.9893	0.7	543.707
Ni 231.604	1.0701	ppb	0.6382	59.6	-2.4453
Pb 220.353	-0.2793	ppb	2.2600	809.3	30.6920
Sb 206.834	0.5918	ppb	2.3902	403.9	3.2884
Se 196.026	-3.8145	ppb	3.4010	89.2	9.6954
Sn 189.925	-0.8652	ppb	0.4382	50.6	-11.3851
Sr 216.596	36.1972	ppb	0.3904	1.1	468.557
Ti 334.941	0.3156	ppb	0.0369	11.7	76.9352
Tl 190.794	0.5037	ppb	0.8872	176.1	-13.6787
V 292.401	0.1264	ppb	0.0257	20.3	-6.6252
Zn 206.200	1.8951	ppb	0.5913	31.2	4.2535

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680-90091-a-4-a (Samp) 5/9/2013, 3:03:19 AM Rack 3, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0692	0.0065	0.2915
Al 308.215	2.0071	1.4331	4.3004
As 188.980	-0.0444u	-3.3803u	5.3787
B 249.678	-11.8446u	-11.9418u	-12.6263u
Ba 389.178	0.2357	-0.0921u	1.0400
Be 313.042	-0.0054u	-0.0068u	0.0007
Ca 370.602	1.809	6.762	4.747
Cd 226.502	0.0360	-0.1702u	-0.0565u
Co 228.615	-0.1539u	0.0123	0.3741
Cr 267.716	-0.0066u	0.0048	0.0535
Cu 324.754	0.2182	0.0382	-0.3703u
Fe 271.441	-1.6230u	-9.9606u	-5.2624u
K 766.491	0.5445	0.5585	0.8072
Mg 279.078	2.0625	2.4598	3.8412
Mn 257.610	0.1500	-0.2600u	0.1841
Mo 202.032	-0.1425u	-0.4353u	0.2213
Na 330.237	131.266	4.9873	72.6782
Ni 231.604	-1.4944u	1.2807	0.5099
Pb 220.353	0.2062	0.2160	1.4997
Sb 206.834	0.7967	4.7548	1.5263
Se 196.026	3.1792	-0.3865u	4.0003
Sn 189.925	2.2699	1.4360	-2.8354u
Sr 216.596	0.1207	-0.2726u	0.7761
Ti 334.941	-0.0128u	0.0427	-0.0345u
Tl 190.794	-1.5106u	0.4846	2.8045
V 292.401	-0.0117u	-0.1113u	0.1036
Zn 206.200	0.8713	-0.5843u	1.2484

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1224	ppb	0.1498	122.4	-27.5461
Al 308.215	2.5802	ppb	1.5171	58.8	46.0630
As 188.980	0.6513	ppb	4.4208	678.8	-4.7362
B 249.678	-12.1375	ppb	0.4261	3.5	205.514
Ba 389.178	0.3946	ppb	0.5825	147.6	0.7350
Be 313.042	-0.0038	ppb	0.0039	103.2	-383.833
Ca 370.602	4.439	ppb	2.491	56.1	28.57
Cd 226.502	-0.0636	ppb	0.1033	162.4	33.8318
Co 228.615	0.0775	ppb	0.2700	348.4	9.5219
Cr 267.716	0.0172	ppb	0.0320	185.5	6.6851
Cu 324.754	-0.0379	ppb	0.3016	794.8	263.967
Fe 271.441	-5.6153	ppb	4.1800	74.4	101.562
K 766.491	0.6368	ppb	0.1478	23.2	321.580
Mg 279.078	2.7878	ppb	0.9336	33.5	42.5866
Mn 257.610	0.0247	ppb	0.2471	1001.0	144.753
Mo 202.032	-0.1188	ppb	0.3289	276.8	18.5929
Na 330.237	69.6440	ppb	63.1942	90.7	61.3744
Ni 231.604	0.0988	ppb	1.4325	1450.5	-5.5390
Pb 220.353	0.6406	ppb	0.7440	116.1	32.5116
Sb 206.834	2.3593	ppb	2.1064	89.3	5.1508
Se 196.026	2.2643	ppb	2.3321	103.0	12.8667
Sn 189.925	0.2902	ppb	2.7387	943.8	-10.2694
Sr 216.596	0.2081	ppb	0.5298	254.6	19.1118
Ti 334.941	-0.0015	ppb	0.0398	2602.3	-32.5536
Tl 190.794	0.5928	ppb	2.1596	364.3	-13.0114
V 292.401	-0.0065	ppb	0.1075	1661.9	-10.2882
Zn 206.200	0.5118	ppb	0.9678	419.1	58.1253



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680-90091-a-5-a (Samp) 5/9/2013, 3:08:45 AM Rack 3, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0530u	-0.1362u	0.1001
Al 308.215	3.4640	6.7394	2.9882
As 188.980	-2.4338u	-6.2416u	2.4599
B 249.678	-15.3451u	-15.3173u	-16.8940u
Ba 389.178	1.2980	0.4585	0.3272
Be 313.042	-0.0105u	-0.0042u	0.0005
Ca 370.602	3.193	8.578	8.490
Cd 226.502	0.0019	-0.1129u	-0.1294u
Co 228.615	0.4381	0.6076	-0.3210u
Cr 267.716	-0.0024u	0.0641	0.0068
Cu 324.754	-0.1022u	0.5653	-0.0122u
Fe 271.441	-8.0366u	-8.3266u	-3.6269u
K 766.491	2.4992	2.6565	2.9745
Mg 279.078	9.4071	6.7066	7.1345
Mn 257.610	-0.0695u	-0.1167u	-0.1031u
Mo 202.032	-0.2577u	-0.2080u	-0.7206u
Na 330.237	187.502	156.953	-42.4972u
Ni 231.604	-0.2841u	-0.0313u	0.9368
Pb 220.353	-0.4963u	1.3777	-2.3122u
Sb 206.834	-1.7319u	1.3604	2.0519
Se 196.026	1.5289	-10.1420u	-2.5364u
Sn 189.925	-1.0664u	-1.1991u	-2.8657u
Sr 216.596	0.2011	-0.0629u	0.2695
Ti 334.941	-0.0494u	-0.0470u	-0.0712u
Tl 190.794	-0.9859u	-1.4323u	2.4680
V 292.401	-0.3338u	-0.0290u	0.1437
Zn 206.200	0.4736	1.4448	-0.1405u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0297	ppb	0.1199	403.2	-39.2470
Al 308.215	4.3972	ppb	2.0423	46.4	53.3340
As 188.980	-2.0718	ppb	4.3620	210.5	-5.9908
B 249.678	-15.8521	ppb	0.9024	5.7	156.957
Ba 389.178	0.6946	ppb	0.5267	75.8	7.4549
Be 313.042	-0.0047	ppb	0.0055	117.3	-385.459
Ca 370.602	6.754	ppb	3.084	45.7	35.78
Cd 226.502	-0.0801	ppb	0.0715	89.3	33.1762
Co 228.615	0.2416	ppb	0.4945	204.7	11.6658
Cr 267.716	0.0228	ppb	0.0360	157.7	6.9718
Cu 324.754	0.1503	ppb	0.3622	241.0	272.501
Fe 271.441	-6.6634	ppb	2.6337	39.5	99.6971
K 766.491	2.7101	ppb	0.2421	8.9	399.982
Mg 279.078	7.7494	ppb	1.4514	18.7	53.7474
Mn 257.610	-0.0964	ppb	0.0243	25.2	137.482
Mo 202.032	-0.3954	ppb	0.2827	71.5	16.4478
Na 330.237	100.652	ppb	124.909	124.1	62.9655
Ni 231.604	0.2071	ppb	0.6444	311.1	-5.2168
Pb 220.353	-0.4769	ppb	1.8450	386.8	30.2798
Sb 206.834	0.5601	ppb	2.0149	359.7	3.0177
Se 196.026	-3.7165	ppb	5.9243	159.4	9.6754
Sn 189.925	-1.7104	ppb	1.0027	58.6	-12.2095
Sr 216.596	0.1359	ppb	0.1755	129.2	18.2174
Ti 334.941	-0.0558	ppb	0.0133	23.8	-48.6916
Tl 190.794	0.0166	ppb	2.1347	12851.4	-13.6207
V 292.401	-0.0730	ppb	0.2418	331.2	-12.1541
Zn 206.200	0.5926	ppb	0.7993	134.9	1.2524

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mb 680-275888/1-a (Samp) 5/9/2013, 3:14:12 AM Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2572u	-0.3928u	0.2725
Al 308.215	9.7679	8.4433	7.7599
As 188.980	-3.5244u	-3.3645u	-5.2785u
B 249.678	-16.0282u	-16.9523u	-16.9429u
Ba 389.178	0.4957	-0.1655u	-0.0996u
Be 313.042	-0.0066u	-0.0051u	-0.0092u
Ca 370.602	16.62	18.33	22.14
Cd 226.502	-0.0532u	-0.1906u	0.0657
Co 228.615	-0.3041u	-0.6545u	0.0560
Cr 267.716	0.9163	0.9680	0.9818
Cu 324.754	0.0786	0.2104	0.4114
Fe 271.441	11.4435	9.4862	7.7206
K 766.491	9.4636	9.1555	9.0553
Mg 279.078	29.4785	31.0338	28.1622
Mn 257.610	0.3108	0.1261	0.2522
Mo 202.032	-0.2180u	-0.5635u	-0.0195u
Na 330.237	191.892	-6.6586u	236.537
Ni 231.604	1.4891	1.1056	0.5051
Pb 220.353	0.4080	0.6364	1.1513
Sb 206.834	4.3110	4.6742	1.7723
Se 196.026	-0.9696u	-3.0449u	-11.9221u
Sn 189.925	9.6881	9.2187	6.9200
Sr 216.596	-0.2122u	0.5190	0.3894
Ti 334.941	0.1987	0.1722	0.2166
Tl 190.794	0.1205	-3.6338u	-4.4576u
V 292.401	-0.2511u	-0.0676u	-0.0553u
Zn 206.200	2.3818	1.3593	2.8299

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1258	ppb	0.3515	279.3	-46.6395
Al 308.215	8.6571	ppb	1.0209	11.8	70.4044
As 188.980	-4.0558	ppb	1.0619	26.2	-6.9049
B 249.678	-16.6412	ppb	0.5308	3.2	146.623
Ba 389.178	0.0768	ppb	0.3642	474.0	-6.2809
Be 313.042	-0.0070	ppb	0.0020	29.3	-389.596
Ca 370.602	19.03	ppb	2.824	14.8	72.50
Cd 226.502	-0.0594	ppb	0.1283	216.1	34.0453
Co 228.615	-0.3009	ppb	0.3552	118.1	4.5862
Cr 267.716	0.9554	ppb	0.0345	3.6	54.6056
Cu 324.754	0.2335	ppb	0.1676	71.8	276.279
Fe 271.441	9.5501	ppb	1.8623	19.5	128.859
K 766.491	9.2248	ppb	0.2128	2.3	646.335
Mg 279.078	29.5582	ppb	1.4375	4.9	102.797
Mn 257.610	0.2297	ppb	0.0944	41.1	157.165
Mo 202.032	-0.2670	ppb	0.2753	103.1	17.4432
Na 330.237	140.590	ppb	129.460	92.1	64.9952
Ni 231.604	1.0332	ppb	0.4960	48.0	-2.7601
Pb 220.353	0.7319	ppb	0.3807	52.0	32.6941
Sb 206.834	3.5859	ppb	1.5810	44.1	6.6180
Se 196.026	-5.3122	ppb	5.8176	109.5	8.8241
Sn 189.925	8.6089	ppb	1.4813	17.2	-2.2017
Sr 216.596	0.2321	ppb	0.3902	168.1	19.4043
Ti 334.941	0.1959	ppb	0.0224	11.4	26.3159
Tl 190.794	-2.6570	ppb	2.4403	91.8	-16.4512
V 292.401	-0.1247	ppb	0.1097	88.0	-13.6873
Zn 206.200	2.1903	ppb	0.7537	34.4	2.7658

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

ics 680-275888/2-a (Samp) 5/9/2013, 3:19:38 AM Rack 3, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	51.2826	51.0769	51.1451
Al 308.215	4934.72	4996.02	4991.84
As 188.980	111.578	98.3062	112.675
B 249.678	174.508	175.487	175.354
Ba 389.178	102.391	103.465	102.911
Be 313.042	52.7372	53.0457	52.9629
Ca 370.602	5208	5276	5263
Cd 226.502	52.9806	53.2332	52.7025
Co 228.615	52.9234	53.1106	53.2243
Cr 267.716	106.526	106.653	106.684
Cu 324.754	106.662	105.463	107.607
Fe 271.441	4960.30	4989.92	4963.39
K 766.491	5004.64	5013.13	4979.78
Mg 279.078	4958.60	4989.15	4982.26
Mn 257.610	538.662	536.132	534.029
Mo 202.032	100.674	102.010	101.761
Na 330.237	4872.75	4835.85	5139.63
Ni 231.604	103.310	104.197	104.386
Pb 220.353	49.3775	49.4453	52.7364
Sb 206.834	50.9894	51.4735	47.2193
Se 196.026	104.240	96.7004	90.5640
Sn 189.925	208.169	213.137	207.122
Sr 216.596	101.459	102.919	102.702
Ti 334.941	100.429	100.745	100.698
Tl 190.794	37.1147	35.7407	34.2131
V 292.401	101.617	102.247	101.750
Zn 206.200	104.975	104.427	105.401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1682	ppb	0.1048	0.2	3895.37
Al 308.215	4974.19	ppb	34.2471	0.7	19966.0
As 188.980	107.520	ppb	7.9979	7.4	44.4854
B 249.678	175.116	ppb	0.5307	0.3	2646.88
Ba 389.178	102.922	ppb	0.5367	0.5	2313.18
Be 313.042	52.9153	ppb	0.1597	0.3	96670.4
Ca 370.602	5249	ppb	36.10	0.7	15848
Cd 226.502	52.9721	ppb	0.2655	0.5	2138.01
Co 228.615	53.0861	ppb	0.1520	0.3	700.431
Cr 267.716	106.621	ppb	0.0835	0.1	5453.70
Cu 324.754	106.577	ppb	1.0746	1.0	5101.11
Fe 271.441	4971.20	ppb	16.2780	0.3	9089.45
K 766.491	4999.18	ppb	17.3313	0.3	189340
Mg 279.078	4976.67	ppb	16.0253	0.3	11219.7
Mn 257.610	536.274	ppb	2.3198	0.4	32408.7
Mo 202.032	101.482	ppb	0.7104	0.7	806.156
Na 330.237	4949.41	ppb	165.767	3.3	307.936
Ni 231.604	103.965	ppb	0.5743	0.6	303.406
Pb 220.353	50.5197	ppb	1.9200	3.8	132.124
Sb 206.834	49.8941	ppb	2.3290	4.7	61.8033
Se 196.026	97.1681	ppb	6.8500	7.0	63.6821
Sn 189.925	209.476	ppb	3.2138	1.5	192.605
Sr 216.596	102.360	ppb	0.7878	0.8	1279.09
Ti 334.941	100.624	ppb	0.1702	0.2	29938.2
Tl 190.794	35.6895	ppb	1.4515	4.1	23.0533
V 292.401	101.871	ppb	0.3322	0.3	2842.97
Zn 206.200	104.934	ppb	0.4883	0.5	165.693

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89959-b-14-a (Samp) 5/9/2013, 3:25:04 AM Rack 3, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6578u	-1.0566u	-1.6131u
Al 308.215	179114	180205	181614
As 188.980	29.4970	34.0355	22.6469
B 249.678	-17.1692u	-17.3863u	-18.4684u
Ba 389.178	538.947	541.938	541.671
Be 313.042	4.8529	4.8759	4.9168
Ca 370.602	9494	9532	9536
Cd 226.502	0.9308	1.2133	0.8983
Co 228.615	38.4498	38.3481	39.3554
Cr 267.716	172.551	173.499	173.456
Cu 324.754	171.721	170.645	170.027
Fe 271.441	187645	189124	189417
K 766.491	15594.7	15626.7	15316.1
Mg 279.078	14284.6	14447.4	14515.7
Mn 257.610	1819.39	1825.23	1805.49
Mo 202.032	4.8614	5.5364	6.0224
Na 330.237	1831.21u	1815.03u	1656.22u
Ni 231.604	52.3534	51.9783	53.9388
Pb 220.353	582.550	585.073	591.224
Sb 206.834	7.0255	-0.6448	4.8014
Se 196.026	-4.0763u	-5.5725u	3.2670
Sn 189.925	23.5254	24.0867	26.4898
Sr 216.596	52.9634	55.0524	55.4043
Ti 334.941	5596.22	5605.63	5611.34
Tl 190.794	4.5720u	3.7910u	2.8502u
V 292.401	507.987	510.588	509.745
Zn 206.200	306.653	308.175	313.015

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1092	ppb	0.4798	43.3	-112.958
Al 308.215	180311	ppb	1253.14	0.7	722193
As 188.980	28.7265	ppb	5.7332	20.0	6.8155
B 249.678	-17.6746	ppb	0.6959	3.9	-113.074
Ba 389.178	540.852	ppb	1.6550	0.3	12380.6
Be 313.042	4.8819	ppb	0.0324	0.7	8573.63
Ca 370.602	9520	ppb	23.10	0.2	15549
Cd 226.502	1.0141	ppb	0.1733	17.1	707.782
Co 228.615	38.7178	ppb	0.5546	1.4	671.719
Cr 267.716	173.169	ppb	0.5352	0.3	8913.75
Cu 324.754	170.798	ppb	0.8574	0.5	8056.25
Fe 271.441	188729	ppb	950.050	0.5	340588
K 766.491	15512.5	ppb	170.834	1.1	586898
Mg 279.078	14415.9	ppb	118.720	0.8	32408.7
Mn 257.610	1816.70	ppb	10.1371	0.6	109563
Mo 202.032	5.4734	ppb	0.5831	10.7	50.8043
Na 330.237	1767.49	ppb	96.6989	5.5	7.8534
Ni 231.604	52.7568	ppb	1.0407	2.0	155.542
Pb 220.353	586.282	ppb	4.4621	0.8	1202.79
Sb 206.834	3.7274	ppb	3.9463	105.9	13.8638
Se 196.026	-2.1273	ppb	4.7311	222.4	12.2023
Sn 189.925	24.7006	ppb	1.5747	6.4	13.4029
Sr 216.596	54.4733	ppb	1.3194	2.4	778.750
Ti 334.941	5604.40	ppb	7.6311	0.1	1667950
Tl 190.794	3.7377	ppb	0.8621	23.1	-22.4655
V 292.401	509.440	ppb	1.3271	0.3	14463.9
Zn 206.200	309.281	ppb	3.3220	1.1	507.124

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Cont Calib Verif (CCV) 5/9/2013, 3:30:30 AM Rack 3, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	504.923	502.796	504.362
Al 308.215	4960.95	4955.83	4981.64
As 188.980	503.985	509.620	489.296
B 249.678	499.224	502.245	503.344
Ba 389.178	5167.62	5160.20	5137.46
Be 313.042	524.413	523.374	518.655
Ca 370.602	5072	5065	5044
Cd 226.502	522.550	521.453	520.755
Co 228.615	529.618	527.656	524.751
Cr 267.716	5247.26	5237.46	5214.28
Cu 324.754	5214.25	5236.92	5179.69
Fe 271.441	5041.53	5025.01	5003.58
K 766.491	10404.5	10330.4	10210.2
Mg 279.078	5038.48	5032.76	5018.42
Mn 257.610	5416.47	5379.79	5345.45
Mo 202.032	503.427	503.356	503.800
Na 330.237	7235.91	7601.20	7456.23
Ni 231.604	2617.49	2609.74	2606.70
Pb 220.353	501.325	492.514	496.534
Sb 206.834	1003.59	996.020	994.325
Se 196.026	4972.85	4967.64	4945.02
Sn 189.925	5060.76	5042.70	5051.74
Sr 216.596	2551.82	2558.37	2555.04
Ti 334.941	506.311	503.948	500.781
Tl 190.794	5108.70	5079.75	5069.90
V 292.401	5062.33	5049.78	5007.65
Zn 206.200	2603.78	2610.17	2605.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.027	ppb	1.1027	0.2	38651.9	100.80539
Al 308.215	4966.14	ppb	13.6671	0.3	19909.8	99.32282
As 188.980	500.967	ppb	10.4926	2.1	225.682	100.19345
B 249.678	501.604	ppb	2.1332	0.4	6914.67	20.06416Q
Ba 389.178	5155.09	ppb	15.7169	0.3	115284	103.10188
Be 313.042	522.147	ppb	3.0687	0.6	957167	104.42940
Ca 370.602	5060	ppb	14.84	0.3	15505	101.20490
Cd 226.502	521.586	ppb	0.9045	0.2	20583.4	104.31722
Co 228.615	527.342	ppb	2.4484	0.5	6900.91	105.46838
Cr 267.716	5233.00	ppb	16.9356	0.3	267237	104.65999
Cu 324.754	5210.29	ppb	28.8229	0.6	236481	104.20576
Fe 271.441	5023.37	ppb	19.0269	0.4	9310.02	100.46742
K 766.491	10315.0	ppb	98.0450	1.0	390358	103.15043
Mg 279.078	5029.89	ppb	10.3341	0.2	11257.6	100.59773
Mn 257.610	5380.57	ppb	35.5145	0.7	323715	107.61142
Mo 202.032	503.528	ppb	0.2386	0.0	3914.54	100.70555
Na 330.237	7431.11	ppb	183.936	2.5	413.617	99.08152
Ni 231.604	2611.31	ppb	5.5642	0.2	7758.56	104.45243
Pb 220.353	496.791	ppb	4.4111	0.9	1023.53	99.35818
Sb 206.834	997.978	ppb	4.9329	0.5	1244.80	99.79781
Se 196.026	4961.84	ppb	14.7950	0.3	2660.69	99.23672
Sn 189.925	5051.73	ppb	9.0320	0.2	4888.67	101.03468
Sr 216.596	2555.08	ppb	3.2779	0.1	31545.3	102.20316
Ti 334.941	503.680	ppb	2.7746	0.6	149889	100.73605
Tl 190.794	5086.12	ppb	20.1659	0.4	5362.35	101.72234
V 292.401	5039.92	ppb	28.6433	0.6	141984	100.79842
Zn 206.200	2606.53	ppb	3.2827	0.1	4087.29	104.26136

E05082013A.vvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Blank (CCB) 5/9/2013, 3:35:57 AM Rack 3, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0088	-0.0695u	0.0365
Al 308.215	1.8013	-0.7981u	3.6290
As 188.980	-1.6103u	3.2924	-1.4888u
B 249.678	-9.2861u	-10.7299u	-9.4774u
Ba 389.178	0.9514	-0.0093u	0.6114
Be 313.042	0.0042	-0.0012u	0.0019
Ca 370.602	4.388	-2.034u	-2.984u
Cd 226.502	-0.0768u	-0.0696u	0.1814
Co 228.615	0.1670	0.4492	0.2649
Cr 267.716	0.1535	-0.0460u	0.1250
Cu 324.754	0.0274	-0.4449u	0.9533
Fe 271.441	-6.3507u	-2.9374u	0.6739
K 766.491	-0.6294u	0.1026	0.2023
Mg 279.078	-0.4686u	2.8359	0.8875
Mn 257.610	-0.0962u	-0.0660u	0.2094
Mo 202.032	-0.4876u	-0.2338u	-0.4151u
Na 330.237	-10.3621u	107.339	-139.605u
Ni 231.604	0.6240	0.1829	-0.6471u
Pb 220.353	1.0214	0.4825	-0.7866u
Sb 206.834	5.6326	5.6638	3.2046
Se 196.026	4.4502	-0.6364u	-1.4256u
Sn 189.925	-0.3984u	-1.1977u	-2.4843u
Sr 216.596	-0.1649u	0.2402	0.2177
Ti 334.941	0.1237	0.1331	0.1636
Tl 190.794	1.1457	1.3650	-0.7777u
V 292.401	0.1176	-0.1724u	0.1219
Zn 206.200	0.0555	-0.7122u	-0.5775u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0080	ppb	0.0550	682.7	-37.5805	-0.00805
Al 308.215	1.5441	ppb	2.2247	144.1	41.9269	1.54407
As 188.980	0.0645	ppb	2.7962	4338.0	-5.0067	0.06446
B 249.678	-9.8311	ppb	0.7842	8.0	235.663	-9.83113
Ba 389.178	0.5179	ppb	0.4872	94.1	3.4894	0.51785
Be 313.042	0.0016	ppb	0.0027	169.4	-373.888	0.00161
Ca 370.602	-0.2098	ppb	4.010	1911.0	14.21	-0.20984
Cd 226.502	0.0117	ppb	0.1471	1258.4	36.7967	0.01169
Co 228.615	0.2937	ppb	0.1433	48.8	12.3435	0.29371
Cr 267.716	0.0775	ppb	0.1079	139.2	9.7606	0.07752
Cu 324.754	0.1786	ppb	0.7112	398.2	273.790	0.17862
Fe 271.441	-2.8714	ppb	3.5128	122.3	106.546	-2.87139
K 766.491	-0.1082	ppb	0.4541	419.8	293.411	-0.10816
Mg 279.078	1.0850	ppb	1.6611	153.1	38.7593	1.08495
Mn 257.610	0.0157	ppb	0.1684	1071.3	144.210	0.01572
Mo 202.032	-0.3788	ppb	0.1307	34.5	16.5765	-0.37881
Na 330.237	-14.2093	ppb	123.517	869.3	57.0713	-14.20926
Ni 231.604	0.0533	ppb	0.6454	1211.6	-5.6742	0.05327
Pb 220.353	0.2391	ppb	0.9282	388.2	31.7092	0.23908
Sb 206.834	4.8337	ppb	1.4109	29.2	8.0832	4.83366
Se 196.026	0.7961	ppb	3.1890	400.6	12.0833	0.79606
Sn 189.925	-1.3601	ppb	1.0524	77.4	-11.8699	-1.36009
Sr 216.596	0.0977	ppb	0.2277	233.1	17.7414	0.09768
Ti 334.941	0.1402	ppb	0.0209	14.9	9.6212	0.14017
Tl 190.794	0.5776	ppb	1.1789	204.1	-13.0272	0.57764
V 292.401	0.0224	ppb	0.1687	754.5	-9.5038	0.02236
Zn 206.200	-0.4114	ppb	0.4999	455.8	0.3279	-0.41140

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680-89959-b-14-aSD^5 (Samp) 5/9/2013, 3:41:23 AM Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1097	-0.4681u	-0.2909u
Al 308.215	36832.0	36812.3	36784.3
As 188.980	3.2355	-5.2846u	3.4778
B 249.678	-15.4693u	-16.2994u	-16.9939u
Ba 389.178	109.864	109.978	111.155
Be 313.042	0.9841	0.9779	0.9819
Ca 370.602	1993	2000	2004
Cd 226.502	-0.0596	0.0376	0.0847
Co 228.615	8.2185	7.7670	8.3513
Cr 267.716	35.6180	35.4189	35.5857
Cu 324.754	34.6215	34.6524	34.8127
Fe 271.441	38897.9	38908.6	39000.1
K 766.491	2871.33	2879.24	2893.89
Mg 279.078	3013.42	3006.78	3007.80
Mn 257.610	369.226	368.558	370.990
Mo 202.032	0.6485	0.4564	0.8175
Na 330.237	331.533u	347.759u	542.174u
Ni 231.604	9.8845	10.8980	12.9781
Pb 220.353	124.774	122.175	122.219
Sb 206.834	0.7116	3.1528	3.3194
Se 196.026	-0.9465u	-6.8915u	-6.5929u
Sn 189.925	3.2889	6.2324	4.5198
Sr 216.596	11.2608	11.2660	11.2692
Ti 334.941	1168.47	1169.81	1172.80
Tl 190.794	-2.8610u	-1.2974u	1.0182u
V 292.401	104.433	103.982	105.016
Zn 206.200	63.3269	63.6695	65.8479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2164	ppb	0.2960	136.8	-51.7110
Al 308.215	36809.6	ppb	23.9761	0.1	147460
As 188.980	0.4763	ppb	4.9905	1047.9	-5.1011
B 249.678	-16.2542	ppb	0.7633	4.7	100.956
Ba 389.178	110.332	ppb	0.7149	0.6	2519.88
Be 313.042	0.9813	ppb	0.0031	0.3	1422.36
Ca 370.602	1999	ppb	5.441	0.3	3332
Cd 226.502	0.0209	ppb	0.0736	351.8	167.315
Co 228.615	8.1123	ppb	0.3063	3.8	147.379
Cr 267.716	35.5409	ppb	0.1069	0.3	1834.12
Cu 324.754	34.6955	ppb	0.1027	0.3	1848.38
Fe 271.441	38935.5	ppb	56.1715	0.1	70353.5
K 766.491	2881.49	ppb	11.4468	0.4	109260
Mg 279.078	3009.33	ppb	3.5740	0.1	6794.46
Mn 257.610	369.591	ppb	1.2566	0.3	22404.2
Mo 202.032	0.6408	ppb	0.1807	28.2	22.1852
Na 330.237	407.155	ppb	117.210	28.8	49.5880
Ni 231.604	11.2535	ppb	1.5771	14.0	28.5574
Pb 220.353	123.056	ppb	1.4880	1.2	277.110
Sb 206.834	2.3946	ppb	1.4599	61.0	6.6585
Se 196.026	-4.8103	ppb	3.3495	69.6	9.4365
Sn 189.925	4.6804	ppb	1.4783	31.6	-6.0119
Sr 216.596	11.2653	ppb	0.0042	0.0	174.130
Ti 334.941	1170.36	ppb	2.2141	0.2	348291
Tl 190.794	-1.0467	ppb	1.9517	186.5	-17.3728
V 292.401	104.477	ppb	0.5184	0.5	2958.67
Zn 206.200	64.2814	ppb	1.3674	2.1	105.620

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89959-b-14-aPDS (Samp) 5/9/2013, 3:46:49 AM Rack 3, Tube 16****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.1494	48.2663	48.4521
Al 308.215	179868	179717	179069
As 188.980	2155.88	2165.29	2159.62
B 249.678	982.102	991.945	991.326
Ba 389.178	2577.61	2585.24	2573.43
Be 313.042	56.7354	56.8797	56.7162
Ca 370.602	14318	14338	14279
Cd 226.502	52.0551	52.4443	52.1382
Co 228.615	548.474	553.738	551.341
Cr 267.716	376.548	378.790	376.378
Cu 324.754	437.316	440.483	437.984
Fe 271.441	185581	185770	184998
K 766.491	20242.6	20392.3	20447.7
Mg 279.078	19117.5	19206.6	19078.3
Mn 257.610	2277.21	2305.37	2293.48
Mo 202.032	521.970	522.459	520.731
Na 330.237	6781.26	6948.79	6885.45
Ni 231.604	559.668	562.188	559.529
Pb 220.353	1062.61	1066.75	1056.07
Sb 206.834	503.175	495.445	486.549
Se 196.026	1992.09	1997.98	2008.77
Sn 189.925	1023.55	1041.23	1028.02
Sr 216.596	566.961	569.292	567.089
Ti 334.941	6459.20	6489.60	6455.41
Tl 190.794	1974.25	1983.01	1977.52
V 292.401	1000.31	1004.49	999.428
Zn 206.200	802.597	812.888	811.230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.2892	ppb	0.1526	0.3	3666.58
Al 308.215	179551	ppb	424.647	0.2	719192
As 188.980	2160.26	ppb	4.7383	0.2	988.870
B 249.678	988.458	ppb	5.5127	0.6	13043.9
Ba 389.178	2578.76	ppb	5.9881	0.2	57955.6
Be 313.042	56.7771	ppb	0.0894	0.2	103671
Ca 370.602	14312	ppb	29.89	0.2	30777
Cd 226.502	52.2125	ppb	0.2049	0.4	2711.42
Co 228.615	551.184	ppb	2.6351	0.5	7365.19
Cr 267.716	377.238	ppb	1.3461	0.4	19333.8
Cu 324.754	438.594	ppb	1.6691	0.4	20206.3
Fe 271.441	185449	ppb	402.595	0.2	334761
K 766.491	20360.9	ppb	106.090	0.5	770240
Mg 279.078	19134.1	ppb	65.7459	0.3	43012.2
Mn 257.610	2292.02	ppb	14.1374	0.6	138156
Mo 202.032	521.720	ppb	0.8910	0.2	4054.12
Na 330.237	6871.83	ppb	84.5923	1.2	261.363
Ni 231.604	560.462	ppb	1.4967	0.3	1665.03
Pb 220.353	1061.81	ppb	5.3820	0.5	2150.97
Sb 206.834	495.057	ppb	8.3197	1.7	591.204
Se 196.026	1999.61	ppb	8.4623	0.4	1080.42
Sn 189.925	1030.94	ppb	9.1946	0.9	989.262
Sr 216.596	567.781	ppb	1.3107	0.2	7094.14
Ti 334.941	6468.07	ppb	18.7436	0.3	1925003
Tl 190.794	1978.26	ppb	4.4251	0.2	2066.58
V 292.401	1001.41	ppb	2.7019	0.3	28262.7
Zn 206.200	808.905	ppb	5.5257	0.7	1292.50



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**680-89959-b-14-b ms (Samp) 5/9/2013, 3:52:27 AM Rack 3, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.5633	50.9174	50.3795
Al 308.215	222762	223073	221847
As 188.980	132.073	131.898	136.883
B 249.678	162.687	165.099	163.660
Ba 389.178	679.191	683.701	679.182
Be 313.042	58.7459	59.0229	58.6661
Ca 370.602	14174	14234	14194
Cd 226.502	53.0274	53.3850	52.5593
Co 228.615	96.5993	98.0210	96.9719
Cr 267.716	292.314	293.665	291.578
Cu 324.754	293.236	297.343	297.257
Fe 271.441	200628	201313	200415
K 766.491	22100.3	22275.6	22057.0
Mg 279.078	20378.0	20474.7	20340.1
Mn 257.610	2376.73	2414.65	2405.51
Mo 202.032	105.646	104.454	104.036
Na 330.237	6748.28	7135.66	6877.22
Ni 231.604	161.653	161.019	159.880
Pb 220.353	713.799	713.559	711.370
Sb 206.834	41.8109	36.9784	44.4653
Se 196.026	96.9704	95.0549	98.3820
Sn 189.925	214.364	219.182	217.265
Sr 216.596	164.317	165.903	164.853
Ti 334.941	6018.85	6062.55	6049.00
Tl 190.794	47.3671	41.7308	42.4774
V 292.401	599.059	601.771	598.443
Zn 206.200	465.953	464.882	459.792

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6201	ppb	0.2734	0.5	3862.41
Al 308.215	222561	ppb	637.539	0.3	891416
As 188.980	133.618	ppb	2.8286	2.1	55.0688
B 249.678	163.816	ppb	1.2131	0.7	2244.07
Ba 389.178	680.691	ppb	2.6063	0.4	15539.1
Be 313.042	58.8116	ppb	0.1873	0.3	107485
Ca 370.602	14201	ppb	30.82	0.2	29153
Cd 226.502	52.9906	ppb	0.4141	0.8	2793.07
Co 228.615	97.1974	ppb	0.7371	0.8	1443.78
Cr 267.716	292.519	ppb	1.0587	0.4	15014.8
Cu 324.754	295.945	ppb	2.3466	0.8	13735.6
Fe 271.441	200785	ppb	469.183	0.2	362348
K 766.491	22144.3	ppb	115.730	0.5	837679
Mg 279.078	20397.6	ppb	69.3670	0.3	45841.9
Mn 257.610	2398.96	ppb	19.7899	0.8	144601
Mo 202.032	104.712	ppb	0.8355	0.8	819.707
Na 330.237	6920.39	ppb	197.265	2.9	262.047
Ni 231.604	160.851	ppb	0.8982	0.6	477.234
Pb 220.353	712.909	ppb	1.3386	0.2	1456.25
Sb 206.834	41.0848	ppb	3.7959	9.2	58.8179
Se 196.026	96.8024	ppb	1.6699	1.7	65.2193
Sn 189.925	216.937	ppb	2.4256	1.1	199.839
Sr 216.596	165.024	ppb	0.8069	0.5	2145.72
Ti 334.941	6043.46	ppb	22.3726	0.4	1798650
Tl 190.794	43.8584	ppb	3.0615	7.0	18.4830
V 292.401	599.758	ppb	1.7708	0.3	16995.3
Zn 206.200	463.543	ppb	3.2918	0.7	750.837

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**680-89959-b-14-c msd (Samp) 5/9/2013, 3:57:54 AM Rack 3, Tube 18****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.7309	49.4246	48.8054
Al 308.215	210022	209633	208841
As 188.980	128.874	129.650	128.894
B 249.678	149.832	148.136	149.998
Ba 389.178	634.445	635.686	635.869
Be 313.042	56.4880	56.5124	56.4663
Ca 370.602	33932	33950	33911
Cd 226.502	50.8407	51.2819	50.9460
Co 228.615	89.0359	90.6834	89.0762
Cr 267.716	286.173	285.853	285.862
Cu 324.754	277.612	279.015	279.374
Fe 271.441	200817	200694	200598
K 766.491	21800.0	21691.8	21675.6
Mg 279.078	21181.1	21164.6	21142.2
Mn 257.610	2477.86	2487.47	2486.21
Mo 202.032	101.017	101.512	100.824
Na 330.237	6798.69	6760.33	6635.95
Ni 231.604	158.043	154.471	157.380
Pb 220.353	656.490	656.596	651.318
Sb 206.834	33.8026	36.4448	41.6378
Se 196.026	96.4271	77.0623	82.7839
Sn 189.925	211.351	210.553	206.906
Sr 216.596	188.271	187.704	187.203
Ti 334.941	6171.95	6176.36	6169.38
Tl 190.794	45.1144	41.4254	45.0555
V 292.401	620.836	620.775	620.614
Zn 206.200	441.458	445.211	445.601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.3203	ppb	0.4715	1.0	3761.82
Al 308.215	209499	ppb	601.798	0.3	839101
As 188.980	129.139	ppb	0.4423	0.3	53.1614
B 249.678	149.322	ppb	1.0307	0.7	2054.69
Ba 389.178	635.333	ppb	0.7752	0.1	14526.8
Be 313.042	56.4889	ppb	0.0230	0.0	103230
Ca 370.602	33931	ppb	19.34	0.1	90051
Cd 226.502	51.0229	ppb	0.2304	0.5	2715.41
Co 228.615	89.5985	ppb	0.9398	1.0	1348.53
Cr 267.716	285.963	ppb	0.1824	0.1	14680.3
Cu 324.754	278.667	ppb	0.9311	0.3	12951.8
Fe 271.441	200703	ppb	109.647	0.1	362199
K 766.491	21722.5	ppb	67.6391	0.3	821729
Mg 279.078	21162.6	ppb	19.5049	0.1	47565.2
Mn 257.610	2483.85	ppb	5.2235	0.2	149708
Mo 202.032	101.118	ppb	0.3548	0.4	791.790
Na 330.237	6731.66	ppb	85.0762	1.3	251.533
Ni 231.604	156.631	ppb	1.9002	1.2	464.681
Pb 220.353	654.802	ppb	3.0171	0.5	1339.87
Sb 206.834	37.2951	ppb	3.9862	10.7	54.2817
Se 196.026	85.4244	ppb	9.9488	11.6	59.1699
Sn 189.925	209.603	ppb	2.3697	1.1	192.736
Sr 216.596	187.726	ppb	0.5342	0.3	2429.01
Ti 334.941	6172.56	ppb	3.5279	0.1	1837072
Tl 190.794	43.8651	ppb	2.1131	4.8	18.3733
V 292.401	620.742	ppb	0.1144	0.0	17591.7
Zn 206.200	444.090	ppb	2.2876	0.5	720.233

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680-89959-b-15-a (Samp) 5/9/2013, 4:03:20 AM Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.4900u	-1.6908u	-0.7650u
Al 308.215	334003	333547	335014
As 188.980	40.5275	21.3561	17.9582
B 249.678	-19.1494u	-19.5097u	-19.1952u
Ba 389.178	588.574	587.466	591.756
Be 313.042	7.6662	7.6834	7.7102
Ca 370.602	3620u	3640u	3632u
Cd 226.502	-0.4331	0.0339	0.1336
Co 228.615	38.3808	38.2967	38.2827
Cr 267.716	132.644	132.471	132.893
Cu 324.754	192.943	193.716	193.978
Fe 271.441	288723	288585	289828
K 766.491	62087.8x	61793.6x	62197.7x
Mg 279.078	63873.7	63771.9	63966.3
Mn 257.610	2303.72	2308.44	2356.66
Mo 202.032	4.3834	5.1965	5.3544
Na 330.237	2520.65u	2444.87u	2309.27u
Ni 231.604	38.2496	37.2422	38.2999
Pb 220.353	223.606	224.137	224.724
Sb 206.834	3.9973	3.2552	7.1742
Se 196.026	-8.3981u	-9.7675u	-2.9111
Sn 189.925	25.7244	23.3988	24.0545
Sr 216.596	64.2048	63.7342	65.2270
Ti 334.941	9307.74	9296.29	9334.39
Tl 190.794	4.0402u	9.5732u	5.6375u
V 292.401	584.050	584.608	588.313
Zn 206.200	472.444	470.983	472.994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3153b	ppb	0.4870	37.0	-126.732
Al 308.215	334188b	ppb	751.189	0.2	1338485
As 188.980	26.6139b	ppb	12.1687	45.7	5.0206
B 249.678	-19.2848b	ppb	0.1961	1.0	-264.574
Ba 389.178	589.265b	ppb	2.2273	0.4	13725.3
Be 313.042	7.6866b	ppb	0.0222	0.3	13721.8
Ca 370.602	3631b	ppb	10.17	0.3	-9839
Cd 226.502	-0.0885b	ppb	0.3025	341.7	999.768
Co 228.615	38.3201b	ppb	0.0531	0.1	771.579
Cr 267.716	132.669b	ppb	0.2123	0.2	6881.17
Cu 324.754	193.546b	ppb	0.5380	0.3	9113.86
Fe 271.441	289045b	ppb	681.087	0.2	521560
K 766.491	62026.4xb	ppb	208.946	0.3	2345810
Mg 279.078	63870.6b	ppb	97.2709	0.2	143603
Mn 257.610	2322.94b	ppb	29.2953	1.3	140211
Mo 202.032	4.9781b	ppb	0.5210	10.5	41.4350
Na 330.237	2424.93b	ppb	107.093	4.4	-38.6888
Ni 231.604	37.9306b	ppb	0.5967	1.6	113.875
Pb 220.353	224.155b	ppb	0.5595	0.2	480.590
Sb 206.834	4.8089b	ppb	2.0817	43.3	17.4252
Se 196.026	-7.0256b	ppb	3.6284	51.6	10.3555
Sn 189.925	24.3926b	ppb	1.1991	4.9	13.0978
Sr 216.596	64.3887b	ppb	0.7632	1.2	947.977
Ti 334.941	9312.80b	ppb	19.5534	0.2	2771838
Tl 190.794	6.4170b	ppb	2.8476	44.4	-25.8025
V 292.401	585.657b	ppb	2.3169	0.4	16680.3
Zn 206.200	472.140b	ppb	1.0395	0.2	574.474

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680-89959-b-16-a (Samp) 5/9/2013, 4:08:47 AM Rack 3, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.1773u	-3.5628u	-3.9287u
Al 308.215	390152	389405	390080
As 188.980	2.3848u	15.3486	19.7459
B 249.678	-22.3508u	-24.0373u	-23.7306u
Ba 389.178	1651.54	1651.66	1653.61
Be 313.042	16.0767	16.0935	16.1143
Ca 370.602	4974u	5024u	4955u
Cd 226.502	0.4380	0.5271	0.6701
Co 228.615	110.919	108.565	111.659
Cr 267.716	1087.40	1088.53	1088.90
Cu 324.754	85.8442	85.2584	85.9707
Fe 271.441	324220	319634	324554
K 766.491	131572x	130986x	132054x
Mg 279.078	146771	146957	146929
Mn 257.610	3929.62	3944.03	3945.78
Mo 202.032	0.8293u	2.1120u	1.9987u
Na 330.237	3890.14u	3995.03u	3849.70u
Ni 231.604	429.397	428.883	427.836
Pb 220.353	387.088	390.499	386.689
Sb 206.834	5.4981	0.6711	-6.2632
Se 196.026	-6.9094u	-2.5111	-16.3021u
Sn 189.925	30.3605	30.4561	29.4918
Sr 216.596	28.9472	29.7300	28.8790
Ti 334.941	20021.2	19946.5	20029.4
Tl 190.794	15.6670u	14.7568u	14.4969u
V 292.401	797.289	796.087	797.341
Zn 206.200	771.081	767.818	771.807

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.5563b	ppb	0.3758	10.6	-289.626
Al 308.215	389879b	ppb	412.031	0.1	1561531
As 188.980	12.4931b	ppb	9.0259	72.2	-1.7374
B 249.678	-23.3729b	ppb	0.8983	3.8	-361.705
Ba 389.178	1652.27b	ppb	1.1628	0.1	37748.8
Be 313.042	16.0948b	ppb	0.0188	0.1	29135.9
Ca 370.602	4985b	ppb	35.60	0.7	-6352
Cd 226.502	0.5451b	ppb	0.1171	21.5	1138.24
Co 228.615	110.381b	ppb	1.6157	1.5	2028.43
Cr 267.716	1088.28b	ppb	0.7787	0.1	55722.3
Cu 324.754	85.6911b	ppb	0.3801	0.4	4230.45
Fe 271.441	322803b	ppb	2749.52	0.9	582477
K 766.491	131538xb	ppb	535.095	0.4	4974359
Mg 279.078	146886b	ppb	100.028	0.1	330278
Mn 257.610	3939.81b	ppb	8.8701	0.2	237691
Mo 202.032	1.6467b	ppb	0.7101	43.1	13.3560
Na 330.237	3911.62b	ppb	75.0103	1.9	-64.3045
Ni 231.604	428.705b	ppb	0.7957	0.2	1276.59
Pb 220.353	388.092b	ppb	2.0940	0.5	802.608
Sb 206.834	-0.0313b	ppb	5.9120	18876.4	23.8423
Se 196.026	-8.5742b	ppb	7.0446	82.2	10.1717
Sn 189.925	30.1028b	ppb	0.5313	1.8	18.6346
Sr 216.596	29.1854b	ppb	0.4729	1.6	521.044
Ti 334.941	19999.0b	ppb	45.6546	0.2	5952486
Tl 190.794	14.9736b	ppb	0.6144	4.1	-20.9062
V 292.401	796.905b	ppb	0.7091	0.1	22764.4
Zn 206.200	770.235b	ppb	2.1249	0.3	1244.37

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**680-89959-b-17-a (Samp) 5/9/2013, 4:14:13 AM Rack 3, Tube 21****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.7584u	-2.0589u	-1.9092u
Al 308.215	335833	336244	335119
As 188.980	25.3010	20.8091	28.2559
B 249.678	-28.9965u	-30.6262u	-29.3043u
Ba 389.178	901.832	903.465	902.814
Be 313.042	21.6293	21.6410	21.5989
Ca 370.602	6665u	6627u	6638u
Cd 226.502	0.7125	0.9975	1.1779
Co 228.615	122.316	120.264	121.791
Cr 267.716	251.480	252.481	251.886
Cu 324.754	253.017	250.091	251.103
Fe 271.441	353767	355002	354404
K 766.491	121256x	121901x	122079x
Mg 279.078	156078	156230	156358
Mn 257.610	5122.65	5120.25	5104.92
Mo 202.032	2.3989u	1.0441u	2.1935u
Na 330.237	4016.97u	3992.93u	3773.59u
Ni 231.604	87.4114	87.1490	86.4142
Pb 220.353	169.659	175.570	170.365
Sb 206.834	2.2275	2.6061	4.2087
Se 196.026	6.3020	-10.3076u	-5.2513
Sn 189.925	23.3687	20.5284	19.4938
Sr 216.596	47.2701	46.8932	47.4462
Ti 334.941	11813.9	11848.3	11805.6
Tl 190.794	9.0067u	9.4974u	18.3357u
V 292.401	1024.22	1026.22	1024.79
Zn 206.200	427.264	426.581	427.995

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2422b	ppb	0.4533	20.2	-183.177
Al 308.215	335732b	ppb	569.226	0.2	1344661
As 188.980	24.7887b	ppb	3.7497	15.1	3.6960
B 249.678	-29.6423b	ppb	0.8658	2.9	-485.083
Ba 389.178	902.703b	ppb	0.8221	0.1	21057.4
Be 313.042	21.6231b	ppb	0.0217	0.1	39263.7
Ca 370.602	6643b	ppb	19.50	0.3	-5173
Cd 226.502	0.9626b	ppb	0.2347	24.4	1260.93
Co 228.615	121.457b	ppb	1.0657	0.9	1928.41
Cr 267.716	251.949b	ppb	0.5032	0.2	13002.8
Cu 324.754	251.403b	ppb	1.4861	0.6	11750.7
Fe 271.441	354391b	ppb	617.931	0.2	639461
K 766.491	121745xb	ppb	432.817	0.4	4604075
Mg 279.078	156222b	ppb	140.196	0.1	351279
Mn 257.610	5115.94b	ppb	9.6217	0.2	308464
Mo 202.032	1.8788b	ppb	0.7301	38.9	12.9984
Na 330.237	3927.83b	ppb	134.112	3.4	-13.5058
Ni 231.604	86.9915b	ppb	0.5169	0.6	261.285
Pb 220.353	171.865b	ppb	3.2282	1.9	375.246
Sb 206.834	3.0141b	ppb	1.0517	34.9	18.6391
Se 196.026	-3.0856b	ppb	8.5139	275.9	13.6105
Sn 189.925	21.1303b	ppb	2.0064	9.5	9.9335
Sr 216.596	47.2031b	ppb	0.2825	0.6	765.651
Ti 334.941	11822.6b	ppb	22.6612	0.2	3519209
Tl 190.794	12.2800b	ppb	5.2502	42.8	-27.1646
V 292.401	1025.08b	ppb	1.0294	0.1	29132.6
Zn 206.200	427.280b	ppb	0.7069	0.2	710.610

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89959-b-18-a (Samp) 5/9/2013, 4:19:39 AM Rack 3, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.5936u	-2.8537u	-3.2135u
Al 308.215	549902	554865	556762
As 188.980	14.4856	23.6647	26.5083
B 249.678	-21.1066u	-21.1605u	-20.6572u
Ba 389.178	1013.01	1017.80	1018.21
Be 313.042	7.0394	7.0772	7.0858
Ca 370.602	1308u	1251u	1226u
Cd 226.502	1.0131	1.0705	0.9591
Co 228.615	85.5847	86.4455	84.4917
Cr 267.716	101.534	101.919	101.766
Cu 324.754	246.353	247.152	246.633
Fe 271.441	176734	177691	177601
K 766.491	49827.4x	50102.4x	50082.4x
Mg 279.078	44636.3	44847.1	44893.3
Mn 257.610	2417.67	2402.82	2377.29
Mo 202.032	2.5865	2.4936	2.4473
Na 330.237	1928.84u	2051.06u	2102.83u
Ni 231.604	63.9536	64.3671	64.4769
Pb 220.353	224.812	223.676	227.165
Sb 206.834	2.4107	12.9332	-0.0378
Se 196.026	-11.9989u	-23.3923u	-2.3551
Sn 189.925	17.9819	18.8639	20.8321
Sr 216.596	24.9064	25.1396	24.5207
Ti 334.941	11471.7	11503.8	11499.6
Tl 190.794	10.6431u	2.0126u	8.2790u
V 292.401	364.083	365.887	364.499
Zn 206.200	421.304	426.287	423.172

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.2202b	ppb	0.3700	11.5	-270.670
Al 308.215	553843b	ppb	3542.74	0.6	2218227
As 188.980	21.5529b	ppb	6.2834	29.2	3.5317
B 249.678	-20.9748b	ppb	0.2764	1.3	-141.180
Ba 389.178	1016.34b	ppb	2.8866	0.3	23072.4
Be 313.042	7.0675b	ppb	0.0247	0.3	12617.1
Ca 370.602	1262b	ppb	41.84	3.3	-7954
Cd 226.502	1.0142b	ppb	0.0557	5.5	669.845
Co 228.615	85.5073b	ppb	0.9792	1.1	1455.73
Cr 267.716	101.740b	ppb	0.1937	0.2	5282.69
Cu 324.754	246.713b	ppb	0.4053	0.2	11496.5
Fe 271.441	177342b	ppb	528.362	0.3	320055
K 766.491	50004.1xb	ppb	153.316	0.3	1891190
Mg 279.078	44792.2b	ppb	137.041	0.3	100601
Mn 257.610	2399.26b	ppb	20.4235	0.9	144669
Mo 202.032	2.5091b	ppb	0.0709	2.8	28.7130
Na 330.237	2027.58b	ppb	89.3442	4.4	-19.5303
Ni 231.604	64.2659b	ppb	0.2759	0.4	189.647
Pb 220.353	225.218b	ppb	1.7791	0.8	486.014
Sb 206.834	5.1020b	ppb	6.8916	135.1	14.4316
Se 196.026	-12.5821b	ppb	10.5307	83.7	6.6998
Sn 189.925	19.2259b	ppb	1.4592	7.6	8.0892
Sr 216.596	24.8556b	ppb	0.3126	1.3	405.991
Ti 334.941	11491.7b	ppb	17.4750	0.2	3420185
Tl 190.794	6.9782b	ppb	4.4599	63.9	-19.3174
V 292.401	364.823b	ppb	0.9447	0.3	10475.9
Zn 206.200	423.587b	ppb	2.5174	0.6	686.007

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89959-b-19-a (Samp) 5/9/2013, 4:25:06 AM Rack 3, Tube 23****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0690u	-0.2504u	-1.1054u
Al 308.215	144302	145354	145840
As 188.980	-0.7095u	8.7989	8.2297
B 249.678	-19.4078u	-19.9295u	-20.4322u
Ba 389.178	666.680	667.564	666.840
Be 313.042	4.2723	4.2556	4.2690
Ca 370.602	3731	3748	3718
Cd 226.502	-0.1144	-0.0059	0.0364
Co 228.615	33.4476	34.4180	33.7569
Cr 267.716	69.6895	70.2758	70.2855
Cu 324.754	61.1106	62.4309	60.5529
Fe 271.441	96190.5	96475.1	96462.0
K 766.491	26474.0	26425.5	26393.4
Mg 279.078	21904.8	22065.2	21985.2
Mn 257.610	2257.58	2252.56	2232.64
Mo 202.032	1.3133	2.1005	0.9084
Na 330.237	924.551u	962.820u	1241.51u
Ni 231.604	27.0530	28.6434	29.7624
Pb 220.353	177.001	183.110	179.313
Sb 206.834	7.7215	-1.5793	4.9851
Se 196.026	-7.2525u	-5.8297u	-6.8485u
Sn 189.925	18.4898	14.5579	17.8434
Sr 216.596	23.7360	24.2549	22.8991
Ti 334.941	5494.44	5525.48	5498.97
Tl 190.794	0.9853u	4.8833u	0.4487u
V 292.401	205.285	205.542	205.867
Zn 206.200	229.737	230.792	236.115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8083	ppb	0.4835	59.8	-88.2319
Al 308.215	145165	ppb	786.416	0.5	581435
As 188.980	5.4397	ppb	5.3330	98.0	-3.2449
B 249.678	-19.9232	ppb	0.5122	2.6	-21.8686
Ba 389.178	667.028	ppb	0.4713	0.1	15093.5
Be 313.042	4.2657	ppb	0.0089	0.2	7450.24
Ca 370.602	3732	ppb	14.96	0.4	4978
Cd 226.502	-0.0280	ppb	0.0777	278.0	357.724
Co 228.615	33.8742	ppb	0.4957	1.5	608.956
Cr 267.716	70.0836	ppb	0.3414	0.5	3630.30
Cu 324.754	61.3648	ppb	0.9645	1.6	3072.13
Fe 271.441	96375.9	ppb	160.694	0.2	173982
K 766.491	26431.0	ppb	40.5913	0.2	999778
Mg 279.078	21985.1	ppb	80.2178	0.4	49418.7
Mn 257.610	2247.59	ppb	13.1876	0.6	135429
Mo 202.032	1.4407	ppb	0.6061	42.1	25.0991
Na 330.237	1042.96	ppb	173.010	16.6	18.4773
Ni 231.604	28.4863	ppb	1.3615	4.8	81.1907
Pb 220.353	179.808	ppb	3.0845	1.7	390.436
Sb 206.834	3.7091	ppb	4.7799	128.9	10.1997
Se 196.026	-6.6436	ppb	0.7332	11.0	9.3241
Sn 189.925	16.9637	ppb	2.1084	12.4	5.8994
Sr 216.596	23.6300	ppb	0.6841	2.9	353.840
Ti 334.941	5506.29	ppb	16.7692	0.3	1638778
Tl 190.794	2.1058	ppb	2.4203	114.9	-20.0068
V 292.401	205.565	ppb	0.2917	0.1	5882.93
Zn 206.200	232.215	ppb	3.4184	1.5	376.082

**640-43464-c-1-a (Samp)**                      **5/9/2013, 4:30:32 AM**                      **Rack 3, Tube 24**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.7651u	0.8496u	0.2978u
Al 308.215	27209.9	27237.1	27303.0
As 188.980	10.9454	1.6192	3.6836
B 249.678	32.5693	32.4507	32.2486
Ba 389.178	314.681	315.018	315.473
Be 313.042	1.0123	0.9955	0.9951
Ca 370.602	1132030x	1142024x	1140549x
Cd 226.502	2.9166	3.1624	3.0884
Co 228.615	21.1036	21.0823	21.9100
Cr 267.716	113.976	114.146	113.617
Cu 324.754	343.466	342.245	341.887
Fe 271.441	80313.1	80324.5	80099.3
K 766.491	4844.45	4816.46	4805.92
Mg 279.078	39485.6	39687.2	39616.8
Mn 257.610	822.718	822.929	817.621
Mo 202.032	14.2936	14.8975	13.1720
Na 330.237	5557.46	5482.56	5332.47
Ni 231.604	399.134	397.984	398.786
Pb 220.353	161.234	163.054	165.055
Sb 206.834	-0.7577	4.4586	-3.6179u
Se 196.026	-1.1123	0.2316	-5.9811u
Sn 189.925	23.2970	24.1557	19.6673
Sr 216.596	3674.00	3674.58	3671.45
Ti 334.941	220.066	218.936	219.035
Tl 190.794	6.3060	-3.7862u	-0.9446u
V 292.401	3086.13	3084.67	3076.53
Zn 206.200	648.799	646.384	649.195

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6375b	ppb	0.2972	46.6	-139.448
Al 308.215	27250.0b	ppb	47.8618	0.2	109137
As 188.980	5.4161b	ppb	4.8985	90.4	5.7345
B 249.678	32.4229b	ppb	0.1622	0.5	683.207
Ba 389.178	315.057b	ppb	0.3973	0.1	7253.00
Be 313.042	1.0009b	ppb	0.0098	1.0	1735.57
Ca 370.602	1138201xb	ppb	5395	0.5	3505081
Cd 226.502	3.0558b	ppb	0.1261	4.1	425.873
Co 228.615	21.3653b	ppb	0.4718	2.2	290.569
Cr 267.716	113.913b	ppb	0.2702	0.2	5816.69
Cu 324.754	342.532b	ppb	0.8278	0.2	15790.8
Fe 271.441	80245.6b	ppb	126.828	0.2	144901
K 766.491	4822.28b	ppb	19.9092	0.4	182651
Mg 279.078	39596.6b	ppb	102.305	0.3	89087.9
Mn 257.610	821.090b	ppb	3.0054	0.4	49688.1
Mo 202.032	14.1211b	ppb	0.8756	6.2	118.493
Na 330.237	5457.50b	ppb	114.569	2.1	291.138
Ni 231.604	398.635b	ppb	0.5899	0.1	1181.34
Pb 220.353	163.115b	ppb	1.9113	1.2	357.617
Sb 206.834	0.0277b	ppb	4.0951	14795.5	5.6694
Se 196.026	-2.2873b	ppb	3.2687	142.9	11.1621
Sn 189.925	22.3733b	ppb	2.3825	10.6	11.7088
Sr 216.596	3673.34b	ppb	1.6685	0.0	45607.2
Ti 334.941	219.346b	ppb	0.6255	0.3	65447.0
Tl 190.794	0.5251b	ppb	5.2041	991.1	-17.0637
V 292.401	3082.44b	ppb	5.1702	0.2	87088.3
Zn 206.200	648.126b	ppb	1.5216	0.2	1028.84



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Cont Calib Verif (CCV)                      5/9/2013, 4:36:10 AM                      Rack 3, Tube 25  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	503.014	496.858	496.761
Al 308.215	4938.15	4889.62	4930.12
As 188.980	502.830	517.689	502.472
B 249.678	497.097	498.655	500.969
Ba 389.178	5134.99	5108.00	5098.69
Be 313.042	520.711	517.112	519.021
Ca 370.602	5048	5021	5084
Cd 226.502	518.453	516.510	517.603
Co 228.615	525.892	522.216	521.941
Cr 267.716	5212.97	5184.67	5179.21
Cu 324.754	5231.13	5188.97	5105.47
Fe 271.441	5006.10	4973.14	4970.06
K 766.491	10305.4	10204.0	10210.9
Mg 279.078	4998.75	4977.25	5001.76
Mn 257.610	5342.98	5354.42	5287.68
Mo 202.032	500.895	501.400	500.002
Na 330.237	7292.45	7239.86	7121.49
Ni 231.604	2592.78	2593.43	2598.79
Pb 220.353	494.386	494.289	492.240
Sb 206.834	989.267	988.040	988.417
Se 196.026	4946.39	4903.46	4927.13
Sn 189.925	5060.84	5053.86	5012.98
Sr 216.596	2543.41	2540.34	2537.09
Ti 334.941	502.791	499.729	498.631
Tl 190.794	5062.81	5045.08	5043.52
V 292.401	5026.96	4993.47	4992.79
Zn 206.200	2581.40	2581.54	2593.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.878	ppb	3.5824	0.7	38256.3	99.77554
Al 308.215	4919.30	ppb	26.0092	0.5	19722.4	98.38591
As 188.980	507.664	ppb	8.6837	1.7	228.768	101.53277
B 249.678	498.907	ppb	1.9482	0.4	6879.46	19.95627Q
Ba 389.178	5113.89	ppb	18.8531	0.4	114363	102.27780
Be 313.042	518.948	ppb	1.8007	0.3	951301	103.78954
Ca 370.602	5051	ppb	31.71	0.6	15478	101.02350
Cd 226.502	517.522	ppb	0.9744	0.2	20423.3	103.50443
Co 228.615	523.350	ppb	2.2059	0.4	6848.66	104.66992
Cr 267.716	5192.28	ppb	18.1202	0.3	265158	103.84566
Cu 324.754	5175.19	ppb	63.9517	1.2	234890	103.50377
Fe 271.441	4983.10	ppb	19.9761	0.4	9236.36	99.66200
K 766.491	10240.1	ppb	56.6399	0.6	387524	102.40089
Mg 279.078	4992.59	ppb	13.3676	0.3	11174.5	99.85174
Mn 257.610	5328.36	ppb	35.6908	0.7	320576	106.56721
Mo 202.032	500.766	ppb	0.7079	0.1	3893.19	100.15313
Na 330.237	7217.93	ppb	87.5665	1.2	402.879	96.23910
Ni 231.604	2595.00	ppb	3.2944	0.1	7710.07	103.80004
Pb 220.353	493.638	ppb	1.2120	0.2	1017.22	98.72759
Sb 206.834	988.575	ppb	0.6282	0.1	1233.18	98.85745
Se 196.026	4925.66	ppb	21.5038	0.4	2641.38	98.51319
Sn 189.925	5042.56	ppb	25.8554	0.5	4879.77	100.85117
Sr 216.596	2540.28	ppb	3.1613	0.1	31362.7	101.61108
Ti 334.941	500.384	ppb	2.1557	0.4	148907	100.07671
Tl 190.794	5050.47	ppb	10.7198	0.2	5324.68	101.00937
V 292.401	5004.41	ppb	19.5386	0.4	140984	100.08813
Zn 206.200	2585.63	ppb	7.2049	0.3	4054.51	103.42525

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Blank (CCB) 5/9/2013, 4:41:37 AM Rack 3, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0522	-0.0355u	-0.0554u
Al 308.215	1.7991	0.9383	0.4788
As 188.980	7.9223	-2.4802u	-0.8662u
B 249.678	-9.0411u	-10.1034u	-11.2672u
Ba 389.178	0.3718	1.2869	0.5427
Be 313.042	-0.0043u	-0.0005u	-0.0024u
Ca 370.602	1.849	-2.771u	-2.365u
Cd 226.502	-0.0318u	-0.1889u	0.0499
Co 228.615	0.1800	-0.3619u	-0.4956u
Cr 267.716	0.0867	-0.1205u	-0.0194u
Cu 324.754	-0.0248u	0.7269	-0.0673u
Fe 271.441	-1.1726u	2.1507	3.4428
K 766.491	0.6847	0.6051	1.1814
Mg 279.078	-0.0598u	-0.9893u	3.0013
Mn 257.610	-0.1224u	-0.1589u	-0.0380u
Mo 202.032	0.0121	-0.0044u	0.3136
Na 330.237	109.767	71.7043	181.957
Ni 231.604	-0.4736u	-0.6372u	0.5219
Pb 220.353	0.9186	-0.1867u	-0.7015u
Sb 206.834	3.5709	1.9140	2.7629
Se 196.026	-2.9063u	1.0059	-8.2650u
Sn 189.925	-1.1807u	-3.1973u	-1.1536u
Sr 216.596	-0.2235u	0.1204	-0.2416u
Ti 334.941	0.2548	0.2652	0.1961
Tl 190.794	-3.5052u	1.3325	-1.0767u
V 292.401	-0.2447u	-0.1605u	0.0410
Zn 206.200	-0.4485u	0.5472	-0.0014u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0129	ppb	0.0572	443.6	-37.9423	-0.01290
Al 308.215	1.0721	ppb	0.6702	62.5	40.0485	1.07208
As 188.980	1.5253	ppb	5.5984	367.0	-4.3336	1.52531
B 249.678	-10.1372	ppb	1.1134	11.0	231.655	-10.13723
Ba 389.178	0.7338	ppb	0.4866	66.3	8.3233	0.73380
Be 313.042	-0.0024	ppb	0.0019	77.8	-381.313	-0.00242
Ca 370.602	-1.096	ppb	2.558	233.5	11.08	-1.09555
Cd 226.502	-0.0569	ppb	0.1214	213.2	34.1124	-0.05693
Co 228.615	-0.2258	ppb	0.3577	158.4	5.5620	-0.22584
Cr 267.716	-0.0177	ppb	0.1036	584.5	4.9019	-0.01773
Cu 324.754	0.2116	ppb	0.4468	211.2	275.290	0.21160
Fe 271.441	1.4737	ppb	2.3810	161.6	114.299	1.47366
K 766.491	0.8237	ppb	0.3123	37.9	328.649	0.82370
Mg 279.078	0.6507	ppb	2.0880	320.9	37.7851	0.65073
Mn 257.610	-0.1064	ppb	0.0620	58.2	136.865	-0.10644
Mo 202.032	0.1071	ppb	0.1790	167.2	20.3452	0.10710
Na 330.237	121.143	ppb	55.9998	46.2	64.0156	121.14286
Ni 231.604	-0.1963	ppb	0.6273	319.5	-6.4162	-0.19632
Pb 220.353	0.0102	ppb	0.8278	8144.7	31.2520	0.01016
Sb 206.834	2.7493	ppb	0.8285	30.1	5.6082	2.74929
Se 196.026	-3.3884	ppb	4.6542	137.4	9.8505	-3.38844
Sn 189.925	-1.8439	ppb	1.1722	63.6	-12.3390	-1.84387
Sr 216.596	-0.1149	ppb	0.2040	177.5	15.1137	-0.11490
Ti 334.941	0.2387	ppb	0.0373	15.6	38.9243	0.23869
Tl 190.794	-1.0831	ppb	2.4189	223.3	-14.7851	-1.08314
V 292.401	-0.1214	ppb	0.1468	120.9	-13.5834	-0.12142
Zn 206.200	0.0324	ppb	0.4987	1537.4	0.3715	0.03244

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680-89967-a-2-a (Samp) 5/9/2013, 4:47:04 AM Rack 3, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.3277	1.1513	1.1626
Al 308.215	498.571	491.721	489.961
As 188.980	-4.9081u	-2.4676u	-1.8920u
B 249.678	1036.06	1038.63	1043.29
Ba 389.178	18.4381	18.4247	18.6094
Be 313.042	-0.0033u	0.0068	-0.0083u
Ca 370.602	22705	22417	22303
Cd 226.502	0.0136	0.2816	0.1469
Co 228.615	6.8945	7.0308	6.8456
Cr 267.716	24.6178	24.7254	24.8551
Cu 324.754	99.8892	99.7265	96.4638
Fe 271.441	2981.24	2961.95	2952.32
K 766.491	303.113	303.998	302.776
Mg 279.078	1070.18	1068.31	1066.18
Mn 257.610	58.6173	58.9729	59.8585
Mo 202.032	20.1146	19.5717	19.5380
Na 330.237	2090.50	2210.38	2186.11
Ni 231.604	10.5026	9.9261	10.0984
Pb 220.353	24.0136	20.5954	21.6032
Sb 206.834	-0.0367	-0.3495u	0.4426
Se 196.026	2.5067	5.5842	0.3326
Sn 189.925	25.4105	30.9125	28.3269
Sr 216.596	39.8600	39.3737	39.7378
Ti 334.941	11.2146	11.1858	11.1659
Tl 190.794	0.1727u	-2.4695u	1.4631
V 292.401	2.3901	2.9918	2.7361
Zn 206.200	8344.70	8330.42	8330.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2139	ppb	0.0987	8.1	54.7524
Al 308.215	493.418	ppb	4.5488	0.9	2013.72
As 188.980	-3.0892	ppb	1.6012	51.8	-6.3102
B 249.678	1039.33	ppb	3.6636	0.4	13946.7
Ba 389.178	18.4907	ppb	0.1030	0.6	412.202
Be 313.042	-0.0016	ppb	0.0077	478.3	-374.961
Ca 370.602	22475	ppb	207.0	0.9	69120
Cd 226.502	0.1474	ppb	0.1340	90.9	52.0646
Co 228.615	6.9236	ppb	0.0960	1.4	98.3934
Cr 267.716	24.7327	ppb	0.1188	0.5	1269.87
Cu 324.754	98.6932	ppb	1.9324	2.0	4741.94
Fe 271.441	2965.17	ppb	14.7226	0.5	5462.03
K 766.491	303.296	ppb	0.6310	0.2	11766.6
Mg 279.078	1068.22	ppb	2.0021	0.2	2438.31
Mn 257.610	59.1496	ppb	0.6392	1.1	3705.27
Mo 202.032	19.7414	ppb	0.3236	1.6	172.469
Na 330.237	2162.33	ppb	63.3796	2.9	105.100
Ni 231.604	10.1757	ppb	0.2959	2.9	24.5020
Pb 220.353	22.0707	ppb	1.7564	8.0	75.2941
Sb 206.834	0.0188	ppb	0.3989	2122.5	2.4277
Se 196.026	2.8078	ppb	2.6388	94.0	13.1914
Sn 189.925	28.2166	ppb	2.7527	9.8	16.8259
Sr 216.596	39.6571	ppb	0.2530	0.6	509.995
Ti 334.941	11.1888	ppb	0.0245	0.2	3303.05
Tl 190.794	-0.2779	ppb	2.0046	721.4	-14.1903
V 292.401	2.7060	ppb	0.3019	11.2	60.9569
Zn 206.200	8335.33	ppb	8.1405	0.1	13120.0

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

640-43463-a-3-a (Samp) 5/9/2013, 4:52:30 AM Rack 3, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.9085	0.8124	0.4813
Al 308.215	5676.37	5689.00	5677.50
As 188.980	-3.4983u	-0.8561u	-2.0836u
B 249.678	42.7913	42.5934	43.0703
Ba 389.178	115.670	116.099	116.334
Be 313.042	0.0716	0.0702	0.0778
Ca 370.602	13660	13729	13757
Cd 226.502	1.0596	1.1074	0.8853
Co 228.615	1.0361	0.9306	0.5387
Cr 267.716	11.2826	11.4469	11.2594
Cu 324.754	187.388	185.605	186.908
Fe 271.441	3066.94	3087.44	3090.05
K 766.491	2955.74	2962.16	2970.78
Mg 279.078	3259.90	3273.36	3273.78
Mn 257.610	60.1568	60.0430	61.2300
Mo 202.032	7.0696	6.5639	6.5609
Na 330.237	320.289	595.548	435.936
Ni 231.604	10.3777	9.6153	9.9395
Pb 220.353	7.0786	9.7678	7.7340
Sb 206.834	5.6380	3.6624	-3.9050u
Se 196.026	1.1058	14.9285	9.5176
Sn 189.925	28.8180	23.6769	27.9240
Sr 216.596	100.705	101.455	101.032
Ti 334.941	41.4843	41.9243	41.1631
Tl 190.794	1.0951	-2.5222u	-0.1489u
V 292.401	8.0568	7.6137	7.4308
Zn 206.200	768.478	759.696	765.828

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7341	ppb	0.2241	30.5	15.0659
Al 308.215	5680.95	ppb	6.9896	0.1	22789.1
As 188.980	-2.1460	ppb	1.3222	61.6	-5.9427
B 249.678	42.8183	ppb	0.2396	0.6	919.895
Ba 389.178	116.034	ppb	0.3367	0.3	2598.80
Be 313.042	0.0732	ppb	0.0041	5.5	-239.039
Ca 370.602	13715	ppb	49.57	0.4	42092
Cd 226.502	1.0174	ppb	0.1169	11.5	86.7431
Co 228.615	0.8351	ppb	0.2621	31.4	20.2699
Cr 267.716	11.3296	ppb	0.1022	0.9	585.534
Cu 324.754	186.634	ppb	0.9226	0.5	8729.03
Fe 271.441	3081.47	ppb	12.6544	0.4	5670.85
K 766.491	2962.89	ppb	7.5513	0.3	112339
Mg 279.078	3269.01	ppb	7.8990	0.2	7386.59
Mn 257.610	60.4766	ppb	0.6549	1.1	3791.14
Mo 202.032	6.7315	ppb	0.2929	4.4	71.5441
Na 330.237	450.591	ppb	138.213	30.7	73.3606
Ni 231.604	9.9775	ppb	0.3826	3.8	23.9095
Pb 220.353	8.1935	ppb	1.4023	17.1	47.6947
Sb 206.834	1.7985	ppb	5.0371	280.1	4.5943
Se 196.026	8.5173	ppb	6.9655	81.8	16.2389
Sn 189.925	26.8063	ppb	2.7468	10.2	15.4530
Sr 216.596	101.064	ppb	0.3759	0.4	1268.95
Ti 334.941	41.5239	ppb	0.3821	0.9	12341.9
Tl 190.794	-0.5253	ppb	1.8378	349.8	-14.4550
V 292.401	7.7005	ppb	0.3219	4.2	206.039
Zn 206.200	764.667	ppb	4.5045	0.6	1204.17

mb 680-275888/14-a (Samp) 5/9/2013, 4:57:57 AM Rack 3, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1821	0.0543	-0.0468u
Al 308.215	79.0254	77.9915	78.3262
As 188.980	-6.3655u	-0.0086u	-4.2070u
B 249.678	-11.0638u	-11.1731u	-11.4684u
Ba 389.178	-0.2820u	0.8091	0.5185
Be 313.042	-0.0005u	-0.0047u	0.0024
Ca 370.602	101.1	104.0	100.5
Cd 226.502	0.0699	-0.0400u	0.0699
Co 228.615	-0.5446u	0.4231	-0.0069u
Cr 267.716	1.9593	2.1961	1.9647
Cu 324.754	0.2461	0.4556	-0.0097u
Fe 271.441	62.4299	62.6558	62.9894
K 766.491	27.6718	28.4064	28.2769
Mg 279.078	23.0332	22.2527	19.3104
Mn 257.610	0.9266	0.9293	0.7585
Mo 202.032	0.1912	0.2101	-0.3234u
Na 330.237	250.946	95.5135	203.989
Ni 231.604	0.6663	-0.7014u	0.8670
Pb 220.353	3.7610	0.1018	-0.0084u
Sb 206.834	2.5212	1.0497	2.5109
Se 196.026	-6.1661u	1.6533	1.7504
Sn 189.925	19.7911	23.8514	20.7483
Sr 216.596	-0.2012u	0.0713	0.2397
Ti 334.941	2.5699	2.5433	2.5007
Tl 190.794	-1.3917u	-4.3067u	-0.5333u
V 292.401	0.1160	0.2354	-0.0514u
Zn 206.200	5.1078	4.8300	3.8093

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0632	ppb	0.1147	181.5	-32.0996
Al 308.215	78.4477	ppb	0.5276	0.7	349.945
As 188.980	-3.5270	ppb	3.2325	91.7	-6.6611
B 249.678	-11.2351	ppb	0.2093	1.9	217.223
Ba 389.178	0.3485	ppb	0.5651	162.1	-0.1519
Be 313.042	-0.0009	ppb	0.0036	384.2	-378.554
Ca 370.602	101.8	ppb	1.905	1.9	324.2
Cd 226.502	0.0332	ppb	0.0634	190.9	37.8692
Co 228.615	-0.0428	ppb	0.4848	1132.8	8.0045
Cr 267.716	2.0401	ppb	0.1352	6.6	110.021
Cu 324.754	0.2307	ppb	0.2330	101.0	276.171
Fe 271.441	62.6917	ppb	0.2815	0.4	224.771
K 766.491	28.1184	ppb	0.3921	1.4	1360.79
Mg 279.078	21.5321	ppb	1.9632	9.1	84.7218
Mn 257.610	0.8715	ppb	0.0978	11.2	195.774
Mo 202.032	0.0260	ppb	0.3027	1165.6	19.7122
Na 330.237	183.483	ppb	79.7195	43.4	67.1336
Ni 231.604	0.2773	ppb	0.8535	307.8	-5.0065
Pb 220.353	1.2848	ppb	2.1452	167.0	33.7979
Sb 206.834	2.0273	ppb	0.8466	41.8	4.7824
Se 196.026	-0.9208	ppb	4.5428	493.4	11.1678
Sn 189.925	21.4636	ppb	2.1226	9.9	10.2649
Sr 216.596	0.0366	ppb	0.2225	608.2	17.0222
Ti 334.941	2.5380	ppb	0.0349	1.4	723.316
Tl 190.794	-2.0772	ppb	1.9779	95.2	-15.8416
V 292.401	0.1000	ppb	0.1441	144.1	-7.4253
Zn 206.200	4.5824	ppb	0.6838	14.9	7.5333

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89945-a-1-a (Samp) 5/9/2013, 5:03:23 AM Rack 3, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1959	1.3863	1.1466
Al 308.215	76.9999	75.5582	74.5422
As 188.980	4.2454	3.0218	-7.2869u
B 249.678	-9.9094u	-10.8136u	-11.1525u
Ba 389.178	4.9345	4.9513	4.6754
Be 313.042	-0.0079u	-0.0117u	-0.0088u
Ca 370.602	157.3	163.5	156.7
Cd 226.502	1.2234	1.1685	1.0215
Co 228.615	-0.5078u	-0.9198u	0.1668
Cr 267.716	5.5148	5.4793	5.3538
Cu 324.754	35.5762	35.5719	35.2505
Fe 271.441	176.092	172.048	167.491
K 766.491	27.4875	26.7524	27.0539
Mg 279.078	27.4096	24.2589	26.3412
Mn 257.610	1.8580	1.8590	1.7557
Mo 202.032	9.5855	9.9986	10.0677
Na 330.237	66.1787	67.1226	48.2355u
Ni 231.604	3.3404	0.9927	1.9352
Pb 220.353	37.5392	40.7431	38.4984
Sb 206.834	6.3053	1.2154	-0.7745u
Se 196.026	-10.0673u	-0.8483u	0.6397
Sn 189.925	28.2546	23.6189	24.3766
Sr 216.596	0.4439	1.0085	0.4693
Ti 334.941	7.2598	7.3173	7.1384
Tl 190.794	-4.0114u	1.1216	-3.7381u
V 292.401	-0.0816u	0.1864	0.1225
Zn 206.200	398.397	402.268	392.843

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2430	ppb	0.1266	10.2	58.6005
Al 308.215	75.7001	ppb	1.2350	1.6	339.834
As 188.980	-0.0066	ppb	6.3346	96130.4	-5.0414
B 249.678	-10.6252	ppb	0.6426	6.0	225.054
Ba 389.178	4.8537	ppb	0.1546	3.2	100.784
Be 313.042	-0.0095	ppb	0.0020	20.9	-395.585
Ca 370.602	159.2	ppb	3.747	2.4	493.3
Cd 226.502	1.1378	ppb	0.1044	9.2	81.7093
Co 228.615	-0.4203	ppb	0.5486	130.5	2.8560
Cr 267.716	5.4493	ppb	0.0846	1.6	284.162
Cu 324.754	35.4662	ppb	0.1868	0.5	1874.10
Fe 271.441	171.877	ppb	4.3031	2.5	421.695
K 766.491	27.0979	ppb	0.3695	1.4	1322.20
Mg 279.078	26.0033	ppb	1.6023	6.2	94.7849
Mn 257.610	1.8242	ppb	0.0593	3.3	253.156
Mo 202.032	9.8839	ppb	0.2607	2.6	96.1669
Na 330.237	60.5123	ppb	10.6424	17.6	57.7903
Ni 231.604	2.0894	ppb	1.1814	56.5	0.3845
Pb 220.353	38.9269	ppb	1.6444	4.2	108.955
Sb 206.834	2.2487	ppb	3.6513	162.4	4.9325
Se 196.026	-3.4253	ppb	5.8000	169.3	9.8324
Sn 189.925	25.4167	ppb	2.4867	9.8	14.0986
Sr 216.596	0.6406	ppb	0.3189	49.8	24.1265
Ti 334.941	7.2385	ppb	0.0913	1.3	2122.23
Tl 190.794	-2.2093	ppb	2.8879	130.7	-15.9933
V 292.401	0.0758	ppb	0.1400	184.7	-10.1954
Zn 206.200	397.836	ppb	4.7377	1.2	626.497

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89943-a-1-a (Samp)**                      **5/9/2013, 5:08:50 AM**                      **Rack 3, Tube 31**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3024u	0.2301	-0.0580u
Al 308.215	25.9837	27.9007	24.9036
As 188.980	-4.8464u	-6.2032u	-3.4931u
B 249.678	67.3421	66.7846	67.1747
Ba 389.178	0.3550	0.5997	0.6257
Be 313.042	-0.0060u	-0.0023u	-0.0033u
Ca 370.602	7721	7705	7694
Cd 226.502	0.0709	0.4328	0.1522
Co 228.615	0.0024u	0.3014	0.2049u
Cr 267.716	2.7552	2.9849	2.8157
Cu 324.754	16.8863	16.8476	16.5924
Fe 271.441	119.202	122.428	113.423
K 766.491	225.679	224.443	226.382
Mg 279.078	186.171	188.931	191.734
Mn 257.610	4.6204	4.3129	4.4971
Mo 202.032	73.0004	73.8368	73.0753
Na 330.237	69.5275u	-137.480u	-2.3956u
Ni 231.604	2.3367	0.5906	0.2709
Pb 220.353	7.2629	5.6426	4.1032
Sb 206.834	1.5617	0.7978u	0.2603u
Se 196.026	-0.2630u	4.8402	-2.8486u
Sn 189.925	15.7471	17.4818	16.9500
Sr 216.596	3.7404	3.7629	3.9750
Ti 334.941	3.3330	3.2738	3.3535
Tl 190.794	-3.6704u	-0.8161u	0.8743
V 292.401	0.4450u	0.5285u	0.3414u
Zn 206.200	1135.63	1123.94	1134.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0434	ppb	0.2666	613.8	-40.4666
Al 308.215	26.2627	ppb	1.5179	5.8	147.754
As 188.980	-4.8476	ppb	1.3551	28.0	-7.2250
B 249.678	67.1004	ppb	0.2861	0.4	1241.18
Ba 389.178	0.5268	ppb	0.1493	28.3	4.6914
Be 313.042	-0.0039	ppb	0.0019	49.0	-392.382
Ca 370.602	7706	ppb	13.62	0.2	23780
Cd 226.502	0.2186	ppb	0.1899	86.9	45.3511
Co 228.615	0.1696	ppb	0.1526	90.0	8.0078
Cr 267.716	2.8519	ppb	0.1190	4.2	151.493
Cu 324.754	16.7754	ppb	0.1597	1.0	1028.21
Fe 271.441	118.351	ppb	4.5624	3.9	325.281
K 766.491	225.501	ppb	0.9818	0.4	8824.77
Mg 279.078	188.946	ppb	2.7815	1.5	461.222
Mn 257.610	4.4768	ppb	0.1548	3.5	413.099
Mo 202.032	73.3042	ppb	0.4628	0.6	588.071
Na 330.237	-23.4493	ppb	105.097	448.2	48.0703
Ni 231.604	1.0661	ppb	1.1120	104.3	-2.6587
Pb 220.353	5.6696	ppb	1.5800	27.9	42.4361
Sb 206.834	0.8733	ppb	0.6540	74.9	2.2324
Se 196.026	0.5762	ppb	3.9125	679.0	11.9679
Sn 189.925	16.7263	ppb	0.8887	5.3	5.6743
Sr 216.596	3.8261	ppb	0.1295	3.4	61.7294
Ti 334.941	3.3201	ppb	0.0414	1.2	956.900
Tl 190.794	-1.2040	ppb	2.2970	190.8	-14.9603
V 292.401	0.4383	ppb	0.0937	21.4	-12.7824
Zn 206.200	1131.22	ppb	6.3529	0.6	1780.81

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-90016-a-1-a (Samp)**      **5/9/2013, 5:14:17 AM**      **Rack 3, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2419	-0.3569u	-0.2733u
Al 308.215	21.4374	20.9226	22.6958
As 188.980	5.7237	8.0758	1.4615
B 249.678	70.5380	70.3085	69.6089
Ba 389.178	0.8148	1.2263	1.5254
Be 313.042	-0.0054u	-0.0078u	0.0001u
Ca 370.602	1207	1208	1190
Cd 226.502	0.0814	-0.1275u	0.2051
Co 228.615	1.5320	1.1647	0.6496
Cr 267.716	11.2773	11.3657	11.1973
Cu 324.754	4.9106	5.3679	5.6418
Fe 271.441	21.9090	27.1490	29.2868
K 766.491	109116x	110443x	108927x
Mg 279.078	2372.36	2377.47	2345.17
Mn 257.610	3.9626	4.1529	3.9290
Mo 202.032	0.6534	0.9740	0.2189
Na 330.237	921.591	925.924	920.065
Ni 231.604	52.1943	50.4039	51.6782
Pb 220.353	-3.2464u	0.6680	1.0396
Sb 206.834	0.0734	3.9210	5.2350
Se 196.026	-0.5313u	6.1850	10.9080
Sn 189.925	30.7311	32.2255	31.9513
Sr 216.596	0.6906	0.8864	0.9288
Ti 334.941	0.9770	1.0317	0.9909
Tl 190.794	2.3192	4.1817	-0.3016u
V 292.401	0.7728	0.9638	0.6535
Zn 206.200	102.368	101.994	99.8671

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1294b	ppb	0.3243	250.5	-46.9508
Al 308.215	21.6852b	ppb	0.9122	4.2	122.619
As 188.980	5.0870b	ppb	3.3528	65.9	-2.6834
B 249.678	70.1518b	ppb	0.4840	0.7	1281.44
Ba 389.178	1.1888b	ppb	0.3568	30.0	24.5196
Be 313.042	-0.0044b	ppb	0.0040	92.1	-390.078
Ca 370.602	1202b	ppb	10.03	0.8	3720
Cd 226.502	0.0530b	ppb	0.1681	317.2	38.5542
Co 228.615	1.1154b	ppb	0.4432	39.7	23.1812
Cr 267.716	11.2801b	ppb	0.0842	0.7	581.937
Cu 324.754	5.3068b	ppb	0.3694	7.0	506.324
Fe 271.441	26.1149b	ppb	3.7960	14.5	159.005
K 766.491	109495xb	ppb	826.099	0.8	4140838
Mg 279.078	2365.00b	ppb	17.3610	0.7	5355.47
Mn 257.610	4.0148b	ppb	0.1207	3.0	391.182
Mo 202.032	0.6154b	ppb	0.3790	61.6	24.2845
Na 330.237	922.527b	ppb	3.0399	0.3	104.399
Ni 231.604	51.4255b	ppb	0.9216	1.8	147.073
Pb 220.353	-0.5129b	ppb	2.3745	463.0	30.2074
Sb 206.834	3.0765b	ppb	2.6824	87.2	6.1309
Se 196.026	5.5206b	ppb	5.7485	104.1	14.6055
Sn 189.925	31.6359b	ppb	0.7956	2.5	20.1309
Sr 216.596	0.8353b	ppb	0.1271	15.2	25.9950
Ti 334.941	0.9999b	ppb	0.0285	2.8	276.776
Tl 190.794	2.0664b	ppb	2.2523	109.0	-11.4594
V 292.401	0.7967b	ppb	0.1565	19.6	11.6345
Zn 206.200	101.410b	ppb	1.3491	1.3	159.903



E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

mb 680-275740/1-a (Samp) 5/9/2013, 5:19:43 AM Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1715u	0.0446	-0.2893u
Al 308.215	9.5748	11.1321	14.5718
As 188.980	-7.7852u	6.0702	-5.6731u
B 249.678	-17.3736u	-17.5538u	-17.1682u
Ba 389.178	0.1006	0.0239	-0.0220u
Be 313.042	0.0003	0.0050	0.0030
Ca 370.602	27.61	23.59	27.11
Cd 226.502	0.0341	-0.0450u	-0.0594u
Co 228.615	0.0670	-0.2697u	-0.1107u
Cr 267.716	1.4076	1.2352	1.3354
Cu 324.754	0.1575	0.2771	0.6025
Fe 271.441	6.6062	15.7047	13.2578
K 766.491	10.6132	10.1618	10.9118
Mg 279.078	23.2339	22.0308	23.4523
Mn 257.610	0.1199	0.2765	0.4797
Mo 202.032	0.2518	-0.4015u	-0.3863u
Na 330.237	65.1868	369.244	92.3868
Ni 231.604	1.3258	1.0260	0.5366
Pb 220.353	0.6079	-0.0214u	-1.9067u
Sb 206.834	-1.8436u	0.7374	1.2558
Se 196.026	0.0670	1.5031	4.6529
Sn 189.925	7.2272	6.6426	10.5627
Sr 216.596	-0.1883u	0.2390	-0.1758u
Ti 334.941	0.2007	0.1760	0.1919
Tl 190.794	-5.5543u	-2.0554u	-1.5379u
V 292.401	-0.0087u	0.2233	-0.0592u
Zn 206.200	3.9265	4.1709	4.2652

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1387	ppb	0.1693	122.1	-47.6192
Al 308.215	11.7596	ppb	2.5569	21.7	82.8386
As 188.980	-2.4627	ppb	7.4648	303.1	-6.1709
B 249.678	-17.3652	ppb	0.1930	1.1	137.154
Ba 389.178	0.0342	ppb	0.0619	181.2	-7.2451
Be 313.042	0.0028	ppb	0.0023	84.0	-371.770
Ca 370.602	26.10	ppb	2.192	8.4	94.12
Cd 226.502	-0.0234	ppb	0.0503	214.8	35.4678
Co 228.615	-0.1044	ppb	0.1684	161.3	7.1465
Cr 267.716	1.3261	ppb	0.0866	6.5	73.5367
Cu 324.754	0.3457	ppb	0.2303	66.6	281.369
Fe 271.441	11.8562	ppb	4.7084	39.7	133.052
K 766.491	10.5623	ppb	0.3776	3.6	696.911
Mg 279.078	22.9057	ppb	0.7655	3.3	87.8316
Mn 257.610	0.2921	ppb	0.1804	61.8	160.901
Mo 202.032	-0.1787	ppb	0.3729	208.7	18.1278
Na 330.237	175.606	ppb	168.246	95.8	66.7784
Ni 231.604	0.9628	ppb	0.3984	41.4	-2.9694
Pb 220.353	-0.4401	ppb	1.3086	297.4	30.3533
Sb 206.834	0.0499	ppb	1.6601	3327.9	2.4273
Se 196.026	2.0743	ppb	2.3457	113.1	12.7655
Sn 189.925	8.1442	ppb	2.1148	26.0	-2.6525
Sr 216.596	-0.0417	ppb	0.2432	583.7	16.0096
Ti 334.941	0.1895	ppb	0.0125	6.6	24.4079
Tl 190.794	-3.0492	ppb	2.1849	71.7	-16.8664
V 292.401	0.0518	ppb	0.1506	290.8	-8.7474
Zn 206.200	4.1209	ppb	0.1748	4.2	6.8036

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

ics 680-275740/2-a (Samp)      5/9/2013, 5:25:10 AM      Rack 3, Tube 34  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.8420	49.8744	50.8227
Al 308.215	4948.40	4969.86	5008.41
As 188.980	106.927	103.340	101.576
B 249.678	172.987	173.048	175.229
Ba 389.178	103.581	104.543	105.124
Be 313.042	52.9505	53.0065	53.4833
Ca 370.602	4967	4979	5018
Cd 226.502	53.1163	52.8604	53.6332
Co 228.615	52.7577	53.0501	54.0154
Cr 267.716	106.996	106.678	107.694
Cu 324.754	107.576	107.429	109.537
Fe 271.441	4969.44	4975.46	5034.84
K 766.491	5044.84	5030.90	5055.07
Mg 279.078	4982.74	4978.53	5022.58
Mn 257.610	540.560	533.864	540.616
Mo 202.032	99.8321	102.097	102.062
Na 330.237	4801.08	4864.54	4915.84
Ni 231.604	104.321	105.003	104.117
Pb 220.353	49.8365	50.3915	49.0014
Sb 206.834	48.7507	50.6439	51.1465
Se 196.026	91.8541	97.5842	103.619
Sn 189.925	211.753	207.378	207.390
Sr 216.596	101.737	102.540	103.534
Ti 334.941	100.621	100.389	101.434
Tl 190.794	40.6578	39.0424	38.5153
V 292.401	101.700	101.906	102.704
Zn 206.200	104.728	103.654	106.593

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5130	ppb	0.5532	1.1	3845.00
Al 308.215	4975.56	ppb	30.4073	0.6	19971.5
As 188.980	103.948	ppb	2.7266	2.6	42.8372
B 249.678	173.754	ppb	1.2774	0.7	2629.04
Ba 389.178	104.416	ppb	0.7791	0.7	2346.67
Be 313.042	53.1467	ppb	0.2928	0.6	97094.8
Ca 370.602	4988	ppb	26.54	0.5	15043
Cd 226.502	53.2033	ppb	0.3937	0.7	2147.21
Co 228.615	53.2744	ppb	0.6581	1.2	702.874
Cr 267.716	107.123	ppb	0.5200	0.5	5479.32
Cu 324.754	108.181	ppb	1.1771	1.1	5173.84
Fe 271.441	4993.24	ppb	36.1460	0.7	9129.25
K 766.491	5043.60	ppb	12.1368	0.2	191020
Mg 279.078	4994.62	ppb	24.3120	0.5	11260.1
Mn 257.610	538.347	ppb	3.8824	0.7	32533.4
Mo 202.032	101.330	ppb	1.2976	1.3	804.981
Na 330.237	4860.49	ppb	57.4893	1.2	303.353
Ni 231.604	104.480	ppb	0.4639	0.4	304.940
Pb 220.353	49.7431	ppb	0.6998	1.4	130.572
Sb 206.834	50.1804	ppb	1.2634	2.5	62.1427
Se 196.026	97.6860	ppb	5.8833	6.0	63.9592
Sn 189.925	208.840	ppb	2.5225	1.2	191.988
Sr 216.596	102.604	ppb	0.9006	0.9	1282.05
Ti 334.941	100.815	ppb	0.5489	0.5	29995.0
Tl 190.794	39.4051	ppb	1.1164	2.8	26.9797
V 292.401	102.103	ppb	0.5304	0.5	2849.38
Zn 206.200	104.992	ppb	1.4869	1.4	165.785

680-89957-a-17-a (Samp) 5/9/2013, 5:30:37 AM Rack 3, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.3215u	-2.1519u	-2.7973u
Al 308.215	189892	191002	190134
As 188.980	383.202	369.153	389.245
B 249.678	115.714	116.090	115.137
Ba 389.178	1776.91	1780.46	1773.65
Be 313.042	28.7082	28.8065	28.6908
Ca 370.602	743525x	756372x	742756x
Cd 226.502	4.5390	4.3342	4.1566
Co 228.615	96.9800	97.9620	97.8268
Cr 267.716	279.318	279.252	278.699
Cu 324.754	133.959	132.886	135.115
Fe 271.441	340986	341328	339751
K 766.491	28009.9	28016.5	27875.8
Mg 279.078	123087	123518	122915
Mn 257.610	13858.7	13781.1	13798.0
Mo 202.032	18.4818	17.1741	17.8284
Na 330.237	4319.92	4213.70	4568.92
Ni 231.604	109.179	110.195	108.775
Pb 220.353	162.875	161.213	165.275
Sb 206.834	3.9703	5.8393	0.7748
Se 196.026	2.5254	-12.2292u	-1.5778
Sn 189.925	21.6019	15.4878	23.9315
Sr 216.596	1149.73	1146.51	1144.30
Ti 334.941	1781.91	1774.50	1785.12
Tl 190.794	12.4890u	17.6352u	15.1533u
V 292.401	594.033	594.941	593.672
Zn 206.200	673.669	675.790	671.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4236b	ppb	0.3346	13.8	-212.998
Al 308.215	190343b	ppb	583.497	0.3	762370
As 188.980	380.533b	ppb	10.3084	2.7	173.486
B 249.678	115.647b	ppb	0.4802	0.4	1431.38
Ba 389.178	1777.01b	ppb	3.4080	0.2	40502.7
Be 313.042	28.7352b	ppb	0.0624	0.2	52564.3
Ca 370.602	747551xb	ppb	7649	1.0	2279983
Cd 226.502	4.3433b	ppb	0.1914	4.4	1348.90
Co 228.615	97.5896b	ppb	0.5322	0.5	1321.70
Cr 267.716	279.090b	ppb	0.3400	0.1	14407.1
Cu 324.754	133.987b	ppb	1.1149	0.8	6427.57
Fe 271.441	340688b	ppb	829.701	0.2	614731
K 766.491	27967.4b	ppb	79.3816	0.3	1057878
Mg 279.078	123174b	ppb	310.434	0.3	276846
Mn 257.610	13812.6b	ppb	40.8244	0.3	831332
Mo 202.032	17.8281b	ppb	0.6539	3.7	138.304
Na 330.237	4367.51b	ppb	182.330	4.2	91.8276
Ni 231.604	109.383b	ppb	0.7315	0.7	327.489
Pb 220.353	163.121b	ppb	2.0424	1.3	363.386
Sb 206.834	3.5282b	ppb	2.5610	72.6	19.0134
Se 196.026	-3.7605b	ppb	7.6157	202.5	15.4279
Sn 189.925	20.3404b	ppb	4.3609	21.4	9.5343
Sr 216.596	1146.85b	ppb	2.7280	0.2	14444.4
Ti 334.941	1780.51b	ppb	5.4470	0.3	530494
Tl 190.794	15.0925b	ppb	2.5737	17.1	-36.8808
V 292.401	594.215b	ppb	0.6540	0.1	16789.4
Zn 206.200	673.817b	ppb	1.9928	0.3	1097.11

680-89957-a-17-aSD^5 (Samp) 5/9/2013, 5:36:03 AM Rack 3, Tube 36  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8778u	-0.7159u	-1.0205u
Al 308.215	46525.6	46038.7	45062.1
As 188.980	92.1300	84.5672	94.6950
B 249.678	17.0344	16.0375	17.0487
Ba 389.178	452.211	445.151	435.599
Be 313.042	7.3788	7.2855	7.1282
Ca 370.602	189217	186417	182214
Cd 226.502	0.6295	0.5443	-0.0006
Co 228.615	25.0815	24.9182	24.6797
Cr 267.716	73.1233	71.5876	70.0452
Cu 324.754	31.9410	32.0608	31.7068
Fe 271.441	91005.5	89486.5	87572.5
K 766.491	5469.15	5377.49	5258.18
Mg 279.078	31265.0	30780.0	30133.3
Mn 257.610	3683.51	3566.69	3470.33
Mo 202.032	4.2828	4.1443	4.4475
Na 330.237	1064.47	1003.02	1204.01
Ni 231.604	30.9764	29.2378	28.6509
Pb 220.353	42.0210	40.2352	42.5576
Sb 206.834	0.0413	12.9947	5.9361
Se 196.026	2.9141	-4.5557u	-9.3258u
Sn 189.925	6.6333	6.9376	5.8175
Sr 216.596	299.373	295.016	287.887
Ti 334.941	462.787	453.981	444.296
Tl 190.794	0.3634u	0.8673u	1.3364u
V 292.401	154.035	150.208	146.806
Zn 206.200	174.849	179.305	171.551

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8714	ppb	0.1524	17.5	-101.158
Al 308.215	45875.4	ppb	745.293	1.6	183770
As 188.980	90.4641	ppb	5.2654	5.8	37.4111
B 249.678	16.7069	ppb	0.5797	3.5	465.947
Ba 389.178	444.320	ppb	8.3368	1.9	10126.8
Be 313.042	7.2642	ppb	0.1267	1.7	13005.8
Ca 370.602	185949	ppb	3525	1.9	566785
Cd 226.502	0.3911	ppb	0.3419	87.4	351.186
Co 228.615	24.8931	ppb	0.2021	0.8	343.385
Cr 267.716	71.5854	ppb	1.5390	2.1	3700.33
Cu 324.754	31.9029	ppb	0.1800	0.6	1735.00
Fe 271.441	89354.8	ppb	1720.29	1.9	161312
K 766.491	5368.27	ppb	105.787	2.0	203297
Mg 279.078	30726.1	ppb	567.778	1.8	69086.7
Mn 257.610	3573.51	ppb	106.751	3.0	215181
Mo 202.032	4.2915	ppb	0.1518	3.5	47.6992
Na 330.237	1090.50	ppb	102.994	9.4	64.0033
Ni 231.604	29.6217	ppb	1.2094	4.1	84.3629
Pb 220.353	41.6046	ppb	1.2159	2.9	115.913
Sb 206.834	6.3240	ppb	6.4854	102.6	13.1118
Se 196.026	-3.6558	ppb	6.1694	168.8	11.2117
Sn 189.925	6.4628	ppb	0.5792	9.0	-4.1935
Sr 216.596	294.092	ppb	5.7984	2.0	3716.73
Ti 334.941	453.688	ppb	9.2489	2.0	135147
Tl 190.794	0.8557	ppb	0.4866	56.9	-22.9567
V 292.401	150.350	ppb	3.6162	2.4	4240.62
Zn 206.200	175.235	ppb	3.8913	2.2	285.642

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Verif (CCV) 5/9/2013, 5:41:30 AM Rack 3, Tube 37  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	497.018	495.799	499.698
Al 308.215	4907.07	4958.96	4966.02
As 188.980	516.618	506.673	507.940
B 249.678	496.039	496.050	502.541
Ba 389.178	5106.55	5090.01	5108.56
Be 313.042	518.060	517.047	517.914
Ca 370.602	5009	5008	5036
Cd 226.502	516.835	515.845	517.507
Co 228.615	522.666	522.679	524.383
Cr 267.716	5191.09	5172.89	5193.80
Cu 324.754	5053.07	5224.28	5198.61
Fe 271.441	4970.86	4952.76	4976.83
K 766.491	10278.4	10149.1	10211.8
Mg 279.078	5001.24	4982.60	5001.35
Mn 257.610	5376.25	5303.04	5311.93
Mo 202.032	500.528	497.973	502.146
Na 330.237	7400.24	7154.39	7346.72
Ni 231.604	2596.28	2592.33	2599.18
Pb 220.353	494.784	489.984	490.852
Sb 206.834	985.199	988.329	980.647
Se 196.026	4927.24	4912.00	4938.90
Sn 189.925	4976.75	5023.22	5034.02
Sr 216.596	2540.90	2535.29	2520.01
Ti 334.941	499.023	496.989	498.342
Tl 190.794	5044.31	5016.28	5034.00
V 292.401	5004.29	4984.12	4992.13
Zn 206.200	2586.01	2577.03	2592.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.505	ppb	1.9946	0.4	38151.0	99.50105
Al 308.215	4944.02	ppb	32.1939	0.7	19821.5	98.88036
As 188.980	510.410	ppb	5.4130	1.1	230.033	102.08207
B 249.678	498.210	ppb	3.7507	0.8	6870.37	19.92840Q
Ba 389.178	5101.71	ppb	10.1813	0.2	114090	102.03417
Be 313.042	517.674	ppb	0.5472	0.1	948964	103.53475
Ca 370.602	5017	ppb	15.62	0.3	15375	100.34950
Cd 226.502	516.729	ppb	0.8358	0.2	20392.1	103.34576
Co 228.615	523.243	ppb	0.9872	0.2	6847.25	104.64854
Cr 267.716	5185.92	ppb	11.3725	0.2	264833	103.71850
Cu 324.754	5158.65	ppb	92.3310	1.8	234140	103.17307
Fe 271.441	4966.82	ppb	12.5369	0.3	9206.86	99.33633
K 766.491	10213.1	ppb	64.6822	0.6	386504	102.13110
Mg 279.078	4995.07	ppb	10.7952	0.2	11180.0	99.90132
Mn 257.610	5330.41	ppb	39.9498	0.7	320699	106.60812
Mo 202.032	500.216	ppb	2.1042	0.4	3888.95	100.04318
Na 330.237	7300.45	ppb	129.291	1.8	407.145	97.33934
Ni 231.604	2595.93	ppb	3.4367	0.1	7712.83	103.83720
Pb 220.353	491.873	ppb	2.5577	0.5	1013.70	98.37469
Sb 206.834	984.725	ppb	3.8626	0.4	1228.54	98.47250
Se 196.026	4926.04	ppb	13.4877	0.3	2641.58	98.52089
Sn 189.925	5011.33	ppb	30.4273	0.6	4849.48	100.22662
Sr 216.596	2532.07	ppb	10.8091	0.4	31261.1	101.28262
Ti 334.941	498.118	ppb	1.0357	0.2	148233	99.62361
Tl 190.794	5031.53	ppb	14.1770	0.3	5304.63	100.63058
V 292.401	4993.51	ppb	10.1578	0.2	140676	99.87025
Zn 206.200	2585.32	ppb	7.9747	0.3	4054.05	103.41298

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Blank (CCB)                      5/9/2013, 5:46:57 AM                      Rack 3, Tube 38  
 Weight: 1    Volume: 1    Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2046	0.2366	0.1393
Al 308.215	2.7245	-0.6032u	2.4055
As 188.980	8.9560	-1.8328u	1.4478
B 249.678	-8.9297u	-9.5417u	-10.2146u
Ba 389.178	2.0698	-0.0318u	0.5935
Be 313.042	0.0069	0.0098	-0.0048u
Ca 370.602	-0.1363u	-0.8394u	-3.642u
Cd 226.502	-0.0282u	-0.0755u	0.1671
Co 228.615	-0.1102u	0.2100	0.4367
Cr 267.716	0.2229	0.0508	0.0381
Cu 324.754	-0.5483u	-0.8967u	-0.0018u
Fe 271.441	-6.9185u	-3.6933u	4.4431
K 766.491	-0.1614u	0.1782	-0.2494u
Mg 279.078	0.5080	1.4829	0.3485
Mn 257.610	-0.3088u	-0.0478u	-0.0180u
Mo 202.032	-0.5115u	-0.3733u	0.2937
Na 330.237	-242.337u	147.769	-117.363u
Ni 231.604	0.6339	-0.1407u	-0.3093u
Pb 220.353	-2.0878u	1.5270	0.5277
Sb 206.834	1.8238	3.4852	6.4156
Se 196.026	0.6823	-1.4357u	-2.9438u
Sn 189.925	-1.8769u	0.2539	-0.4677u
Sr 216.596	-0.2648u	0.0793	-0.0337u
Ti 334.941	0.0154	0.0480	0.0544
Tl 190.794	1.5834	-0.2889u	-3.9534u
V 292.401	0.0364	0.1541	-0.0478u
Zn 206.200	-0.8568u	-0.5954u	0.0494

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1935	ppb	0.0496	25.6	-22.0747	0.19350
Al 308.215	1.5089	ppb	1.8361	121.7	41.7840	1.50894
As 188.980	2.8570	ppb	5.5307	193.6	-3.7200	2.85702
B 249.678	-9.5620	ppb	0.6427	6.7	239.180	-9.56202
Ba 389.178	0.8772	ppb	1.0792	123.0	11.5235	0.87718
Be 313.042	0.0040	ppb	0.0077	193.6	-369.521	0.00398
Ca 370.602	-1.539	ppb	1.855	120.5	10.01	-1.53937
Cd 226.502	0.0211	ppb	0.1286	608.3	37.1727	0.02114
Co 228.615	0.1788	ppb	0.2748	153.7	10.8415	0.17883
Cr 267.716	0.1039	ppb	0.1032	99.3	11.1064	0.10391
Cu 324.754	-0.4822	ppb	0.4511	93.5	243.824	-0.48225
Fe 271.441	-2.0562	ppb	5.8550	284.7	107.997	-2.05622
K 766.491	-0.0776	ppb	0.2258	291.1	294.567	-0.07757
Mg 279.078	0.7798	ppb	0.6141	78.8	38.0741	0.77977
Mn 257.610	-0.1249	ppb	0.1600	128.1	135.755	-0.12486
Mo 202.032	-0.1971	ppb	0.4306	218.5	17.9860	-0.19706
Na 330.237	-70.6437	ppb	199.206	282.0	54.1716	-70.64375
Ni 231.604	0.0613	ppb	0.5030	820.7	-5.6503	0.06129
Pb 220.353	-0.0110	ppb	1.8666	16970.8	31.2099	-0.01100
Sb 206.834	3.9082	ppb	2.3249	59.5	6.9869	3.90821
Se 196.026	-1.2324	ppb	1.8216	147.8	11.0009	-1.23241
Sn 189.925	-0.6969	ppb	1.0837	155.5	-11.2267	-0.69691
Sr 216.596	-0.0731	ppb	0.1754	240.1	15.6249	-0.07307
Ti 334.941	0.0393	ppb	0.0209	53.2	-20.4051	0.03926
Tl 190.794	-0.8863	ppb	2.8163	317.8	-14.5763	-0.88631
V 292.401	0.0476	ppb	0.1014	213.1	-8.7901	0.04759
Zn 206.200	-0.4676	ppb	0.4664	99.8	0.4163	-0.46757

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**680-89957-a-17-aPDS (Samp) 5/9/2013, 5:52:36 AM Rack 3, Tube 39****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	45.0411	43.9020	44.8338
Al 308.215	187889	188265	188284
As 188.980	2365.44	2370.36	2350.63
B 249.678	1051.27	1053.34	1059.06
Ba 389.178	3514.21	3511.76	3512.17
Be 313.042	73.2967	73.1426	73.0556
Ca 370.602	732510	734032	732697
Cd 226.502	47.6218	47.4440	47.4240
Co 228.615	536.621	531.964	531.915
Cr 267.716	453.351	452.657	454.313
Cu 324.754	383.036	383.225	383.765
Fe 271.441	334725	334888	334720
K 766.491	34014.5	33913.9	34009.3
Mg 279.078	125078	125201	125228
Mn 257.610	14071.3	13948.1	13949.2
Mo 202.032	463.830	465.912	464.196
Na 330.237	9550.03	9636.50	9960.80
Ni 231.604	536.291	540.089	540.358
Pb 220.353	579.310	573.994	575.201
Sb 206.834	452.277	456.545	458.899
Se 196.026	1868.39	1859.98	1858.91
Sn 189.925	883.984	893.273	890.408
Sr 216.596	1567.55	1566.59	1567.14
Ti 334.941	2609.98	2608.63	2609.69
Tl 190.794	1707.13	1694.02	1701.64
V 292.401	1026.20	1022.15	1017.59
Zn 206.200	1081.98	1081.60	1080.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.5923b	ppb	0.6067	1.4	3385.72
Al 308.215	188146b	ppb	222.622	0.1	753610
As 188.980	2362.14b	ppb	10.2665	0.4	1086.35
B 249.678	1054.55b	ppb	4.0348	0.4	13712.4
Ba 389.178	3512.71b	ppb	1.3111	0.0	79310.9
Be 313.042	73.1650b	ppb	0.1221	0.2	133974
Ca 370.602	733080b	ppb	830.3	0.1	2235941
Cd 226.502	47.4966b	ppb	0.1089	0.2	3028.64
Co 228.615	533.500b	ppb	2.7033	0.5	7017.84
Cr 267.716	453.440b	ppb	0.8314	0.2	23307.9
Cu 324.754	383.342b	ppb	0.3783	0.1	17739.8
Fe 271.441	334778b	ppb	95.3805	0.0	604144
K 766.491	33979.2b	ppb	56.6500	0.2	1285214
Mg 279.078	125169b	ppb	79.9272	0.1	281330
Mn 257.610	13989.5b	ppb	70.7904	0.5	841972
Mo 202.032	464.646b	ppb	1.1114	0.2	3603.36
Na 330.237	9715.78b	ppb	216.553	2.2	359.858
Ni 231.604	538.913b	ppb	2.2744	0.4	1604.49
Pb 220.353	576.168b	ppb	2.7866	0.5	1186.86
Sb 206.834	455.907b	ppb	3.3572	0.7	550.744
Se 196.026	1862.43b	ppb	5.1871	0.3	1011.22
Sn 189.925	889.221b	ppb	4.7569	0.5	852.178
Sr 216.596	1567.09b	ppb	0.4781	0.0	19610.2
Ti 334.941	2609.43b	ppb	0.7061	0.0	777193
Tl 190.794	1700.93b	ppb	6.5872	0.4	1747.26
V 292.401	1021.98b	ppb	4.3089	0.4	28788.9
Zn 206.200	1081.41b	ppb	0.6797	0.1	1737.49

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**680-89957-a-17-b ms (Samp) 5/9/2013, 5:58:04 AM Rack 3, Tube 40****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.0406	47.6852	47.0269
Al 308.215	208322	207782	208200
As 188.980	332.540	334.124	332.984
B 249.678	289.160	289.795	287.417
Ba 389.178	1366.60	1364.64	1368.48
Be 313.042	74.4574	74.3459	74.3162
Ca 370.602	696370	698710	700889
Cd 226.502	48.4711	48.2643	48.7664
Co 228.615	122.741	122.782	121.803
Cr 267.716	442.764	441.553	442.506
Cu 324.754	254.751	252.878	255.813
Fe 271.441	245271	245477	245237
K 766.491	36093.2	36064.6	36017.7
Mg 279.078	115557	115684	115821
Mn 257.610	11590.5	11577.8	11526.2
Mo 202.032	96.8788	98.8206	97.0606
Na 330.237	8714.53	8884.65	9174.43
Ni 231.604	214.534	215.614	216.769
Pb 220.353	218.816	217.889	220.070
Sb 206.834	23.8883	29.5099	19.8472
Se 196.026	74.6122	85.4953	84.3592
Sn 189.925	182.124	183.512	183.946
Sr 216.596	1137.89	1135.53	1140.21
Ti 334.941	1888.48	1881.99	1879.56
Tl 190.794	49.7952	47.7641	48.6290
V 292.401	632.184	632.381	632.320
Zn 206.200	881.785	879.662	882.076

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.2509b	ppb	0.3762	0.8	3597.60
Al 308.215	208102b	ppb	283.194	0.1	833504
As 188.980	333.216b	ppb	0.8175	0.2	152.031
B 249.678	288.791b	ppb	1.2315	0.4	3819.01
Ba 389.178	1366.58b	ppb	1.9199	0.1	31177.3
Be 313.042	74.3732b	ppb	0.0745	0.1	136254
Ca 370.602	698656b	ppb	2260	0.3	2136621
Cd 226.502	48.5006b	ppb	0.2524	0.5	2768.37
Co 228.615	122.442b	ppb	0.5536	0.5	1650.17
Cr 267.716	442.274b	ppb	0.6383	0.1	22707.3
Cu 324.754	254.481b	ppb	1.4864	0.6	11867.1
Fe 271.441	245329b	ppb	129.991	0.1	442708
K 766.491	36058.5b	ppb	38.1017	0.1	1363841
Mg 279.078	115687b	ppb	131.888	0.1	260021
Mn 257.610	11564.8b	ppb	34.0914	0.3	696075
Mo 202.032	97.5867b	ppb	1.0725	1.1	761.962
Na 330.237	8924.54b	ppb	232.531	2.6	371.420
Ni 231.604	215.639b	ppb	1.1176	0.5	641.191
Pb 220.353	218.925b	ppb	1.0946	0.5	474.463
Sb 206.834	24.4151b	ppb	4.8528	19.9	42.2759
Se 196.026	81.4889b	ppb	5.9825	7.3	59.7515
Sn 189.925	183.194b	ppb	0.9517	0.5	167.452
Sr 216.596	1137.88b	ppb	2.3392	0.2	14277.8
Ti 334.941	1883.34b	ppb	4.6083	0.2	561051
Tl 190.794	48.7294b	ppb	1.0192	2.1	7.1543
V 292.401	632.295b	ppb	0.1004	0.0	17840.4
Zn 206.200	881.174b	ppb	1.3180	0.1	1412.61



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**680-89957-a-17-c msd (Samp) 5/9/2013, 6:03:31 AM Rack 3, Tube 41****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	47.0297	46.5013	47.4884
Al 308.215	170379	169775	169790
As 188.980	320.585	332.871	335.274
B 249.678	199.631	198.573	201.609
Ba 389.178	1005.07	1002.82	1004.96
Be 313.042	64.6870	64.5024	64.3260
Ca 370.602	373448	370060	369862
Cd 226.502	48.0207	48.0168	48.0454
Co 228.615	116.351	116.996	115.838
Cr 267.716	583.197	581.906	581.464
Cu 324.754	217.805	214.768	217.058
Fe 271.441	307454	306688	306180
K 766.491	23355.6	23273.3	23047.1
Mg 279.078	83637.2	83554.1	83629.0
Mn 257.610	9875.17	9910.80	9829.73
Mo 202.032	97.2728	98.4340	98.2904
Na 330.237	8045.15	7926.94	7910.85
Ni 231.604	217.148	215.948	213.147
Pb 220.353	249.760	250.997	249.821
Sb 206.834	32.7019	25.0159	21.5719
Se 196.026	90.0792	75.7217	95.6366
Sn 189.925	185.765	186.522	190.694
Sr 216.596	721.824	720.827	725.332
Ti 334.941	1427.07	1423.55	1420.51
Tl 190.794	45.6284	47.9862	44.7764
V 292.401	723.083	722.005	719.053
Zn 206.200	798.139	800.922	805.372

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0064	ppb	0.4940	1.1	3591.46
Al 308.215	169981	ppb	344.770	0.2	680828
As 188.980	329.577	ppb	7.8790	2.4	147.329
B 249.678	199.938	ppb	1.5413	0.8	2576.90
Ba 389.178	1004.28	ppb	1.2680	0.1	23080.7
Be 313.042	64.5051	ppb	0.1805	0.3	118037
Ca 370.602	371123	ppb	2016	0.5	1121190
Cd 226.502	48.0277	ppb	0.0155	0.0	2955.86
Co 228.615	116.395	ppb	0.5799	0.5	1555.84
Cr 267.716	582.189	ppb	0.9005	0.2	29858.4
Cu 324.754	216.544	ppb	1.5827	0.7	10162.8
Fe 271.441	306774	ppb	641.192	0.2	553554
K 766.491	23225.3	ppb	159.726	0.7	878557
Mg 279.078	83606.8	ppb	45.7928	0.1	187920
Mn 257.610	9871.90	ppb	40.6348	0.4	594228
Mo 202.032	97.9991	ppb	0.6331	0.6	761.669
Na 330.237	7960.98	ppb	73.3350	0.9	295.027
Ni 231.604	215.414	ppb	2.0530	1.0	641.959
Pb 220.353	250.193	ppb	0.6972	0.3	535.966
Sb 206.834	26.4299	ppb	5.6981	21.6	47.8615
Se 196.026	87.1458	ppb	10.2764	11.8	62.7014
Sn 189.925	187.660	ppb	2.6547	1.4	171.620
Sr 216.596	722.661	ppb	2.3662	0.3	9133.45
Ti 334.941	1423.71	ppb	3.2832	0.2	424115
Tl 190.794	46.1303	ppb	1.6627	3.6	3.7603
V 292.401	721.380	ppb	2.0862	0.3	20341.3
Zn 206.200	801.477	ppb	3.6482	0.5	1293.46

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**680-89957-a-18-a (Samp) 5/9/2013, 6:08:58 AM Rack 3, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.7565u	-2.7610u	-2.7843u
Al 308.215	111285	111079	110692
As 188.980	150.431	151.941	147.630
B 249.678	-25.0933u	-25.1737u	-25.2826u
Ba 389.178	290.381	292.181	290.509
Be 313.042	21.1637	21.1697	21.0511
Ca 370.602	34463	34456	34393
Cd 226.502	17.5681	17.9343	17.6623
Co 228.615	69.7152	70.0027	70.5288
Cr 267.716	845.723	849.889	844.706
Cu 324.754	65.2446	65.4319	64.9021
Fe 271.441	209332	209785	208842
K 766.491	3946.34	3944.07	3908.75
Mg 279.078	7663.99	7675.79	7650.40
Mn 257.610	1050.09	1065.60	1055.10
Mo 202.032	3.7790	4.0069	4.1832
Na 330.237	604.690u	748.719u	747.611u
Ni 231.604	259.359	259.184	259.234
Pb 220.353	164.783	163.229	161.413
Sb 206.834	2.2007	4.0214	0.7889
Se 196.026	-7.6791u	-14.0152u	-12.5019u
Sn 189.925	19.3114	16.6513	14.3196
Sr 216.596	109.096	109.528	109.639
Ti 334.941	213.982	214.773	213.237
Tl 190.794	3.8176u	8.4805u	6.0464u
V 292.401	543.730	546.309	541.839
Zn 206.200	1418.17	1419.98	1415.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7673	ppb	0.0149	0.5	-246.736
Al 308.215	111019	ppb	301.027	0.3	444669
As 188.980	150.001	ppb	2.1874	1.5	62.7265
B 249.678	-25.1832	ppb	0.0950	0.4	-238.397
Ba 389.178	291.024	ppb	1.0044	0.3	6806.34
Be 313.042	21.1282	ppb	0.0668	0.3	38377.1
Ca 370.602	34437	ppb	38.42	0.1	89787
Cd 226.502	17.7216	ppb	0.1902	1.1	1434.89
Co 228.615	70.0822	ppb	0.4126	0.6	924.253
Cr 267.716	846.773	ppb	2.7466	0.3	43305.7
Cu 324.754	65.1929	ppb	0.2686	0.4	3273.16
Fe 271.441	209319	ppb	471.546	0.2	377739
K 766.491	3933.05	ppb	21.0772	0.5	149025
Mg 279.078	7663.39	ppb	12.7058	0.2	17260.2
Mn 257.610	1056.93	ppb	7.9196	0.7	63871.0
Mo 202.032	3.9897	ppb	0.2027	5.1	38.1194
Na 330.237	700.340	ppb	82.8372	11.8	-23.8773
Ni 231.604	259.259	ppb	0.0901	0.0	770.001
Pb 220.353	163.142	ppb	1.6866	1.0	359.535
Sb 206.834	2.3370	ppb	1.6205	69.3	20.7843
Se 196.026	-11.3987	ppb	3.3090	29.0	7.1836
Sn 189.925	16.7608	ppb	2.4977	14.9	5.7145
Sr 216.596	109.421	ppb	0.2870	0.3	1467.05
Ti 334.941	213.997	ppb	0.7685	0.4	63722.2
Tl 190.794	6.1149	ppb	2.3322	38.1	-19.8727
V 292.401	543.959	ppb	2.2440	0.4	15309.8
Zn 206.200	1417.90	ppb	2.2281	0.2	2252.23

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680-89957-a-19-a (Samp) 5/9/2013, 6:14:25 AM Rack 3, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.4438u	-2.2398u	-1.1023u
Al 308.215	159033	157328	157673
As 188.980	339.562	354.096	343.260
B 249.678	172.804	174.433	173.990
Ba 389.178	1544.80	1537.44	1536.49
Be 313.042	25.3932	25.2245	25.1369
Ca 370.602	811707x	804246x	805569x
Cd 226.502	3.3266	3.6470	3.6798
Co 228.615	49.7941	49.0111	48.8721
Cr 267.716	605.713	601.677	601.162
Cu 324.754	511.505	498.672	498.628
Fe 271.441	231176	230126	230249
K 766.491	36660.7	36292.4	36254.7
Mg 279.078	227720	226648	226818
Mn 257.610	11308.1	11436.6	11413.4
Mo 202.032	13.5560	14.0277	13.7811
Na 330.237	4609.49	4757.06	4957.86
Ni 231.604	70.2386	66.9661	68.9984
Pb 220.353	490.546	478.881	487.468
Sb 206.834	6.1534	9.0944	4.2033
Se 196.026	-4.9176	7.3725	4.5487
Sn 189.925	53.7736	54.6692	57.3119
Sr 216.596	1214.44	1212.52	1208.76
Ti 334.941	3912.71	3914.15	3897.00
Tl 190.794	11.0720u	12.3941u	18.5498u
V 292.401	368.121	366.311	366.363
Zn 206.200	664.732	663.053	665.415

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5953b	ppb	0.5836	36.6	-166.496
Al 308.215	158011b	ppb	901.441	0.6	632883
As 188.980	345.639b	ppb	7.5538	2.2	158.734
B 249.678	173.742b	ppb	0.8424	0.5	2334.10
Ba 389.178	1539.58b	ppb	4.5476	0.3	35306.9
Be 313.042	25.2515b	ppb	0.1303	0.5	46199.0
Ca 370.602	807174xb	ppb	3981	0.5	2472900
Cd 226.502	3.5511b	ppb	0.1952	5.5	951.815
Co 228.615	49.2257b	ppb	0.4971	1.0	758.783
Cr 267.716	602.850b	ppb	2.4925	0.4	30910.1
Cu 324.754	502.935b	ppb	7.4218	1.5	23129.0
Fe 271.441	230517b	ppb	573.759	0.2	415975
K 766.491	36402.6b	ppb	224.310	0.6	1376854
Mg 279.078	227062b	ppb	576.278	0.3	510536
Mn 257.610	11386.0b	ppb	68.4560	0.6	685620
Mo 202.032	13.7882b	ppb	0.2359	1.7	113.320
Na 330.237	4774.80b	ppb	174.863	3.7	151.520
Ni 231.604	68.7344b	ppb	1.6521	2.4	204.033
Pb 220.353	485.632b	ppb	6.0456	1.2	1004.81
Sb 206.834	6.4837b	ppb	2.4622	38.0	23.3601
Se 196.026	2.3346b	ppb	6.4373	275.7	17.3499
Sn 189.925	55.2516b	ppb	1.8396	3.3	43.4252
Sr 216.596	1211.91b	ppb	2.8882	0.2	15205.6
Ti 334.941	3907.95b	ppb	9.5111	0.2	1164114
Tl 190.794	14.0053b	ppb	3.9908	28.5	-28.5084
V 292.401	366.931b	ppb	1.0303	0.3	10383.3
Zn 206.200	664.400b	ppb	1.2155	0.2	1069.33

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680-89957-a-20-a (Samp) 5/9/2013, 6:19:52 AM Rack 3, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.2078u	-2.3480u	-1.8930u
Al 308.215	116100	115632	116075
As 188.980	109.878	120.401	117.177
B 249.678	29.9989	28.9171	29.4523
Ba 389.178	685.938	685.143	687.056
Be 313.042	12.9021	12.8459	12.8943
Ca 370.602	153807	152476	153646
Cd 226.502	2.7478	2.8371	2.5886
Co 228.615	60.2255	60.0107	60.1863
Cr 267.716	262.412	262.447	263.091
Cu 324.754	96.8562	93.7880	95.5646
Fe 271.441	160975	160574	161347
K 766.491	10957.0	10970.2	10985.3
Mg 279.078	31616.9	31523.5	31660.6
Mn 257.610	3531.87	3559.29	3562.37
Mo 202.032	9.7625	9.0840	10.3705
Na 330.237	1897.71	1753.56u	1892.12
Ni 231.604	92.5272	91.1150	92.5295
Pb 220.353	207.548	200.712	201.946
Sb 206.834	9.0553	4.6066	1.5450
Se 196.026	6.4614	-8.8114u	0.0230
Sn 189.925	20.4990	17.7912	17.4990
Sr 216.596	357.258	356.676	358.660
Ti 334.941	946.151	946.984	949.785
Tl 190.794	8.0287u	8.6713u	4.0060u
V 292.401	434.299	434.289	436.015
Zn 206.200	562.651	564.309	564.673

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1496	ppb	0.2330	10.8	-200.277
Al 308.215	115936	ppb	263.328	0.2	464365
As 188.980	115.819	ppb	5.3911	4.7	48.2818
B 249.678	29.4561	ppb	0.5409	1.8	538.840
Ba 389.178	686.046	ppb	0.9606	0.1	15632.7
Be 313.042	12.8808	ppb	0.0304	0.2	23291.2
Ca 370.602	153310	ppb	726.7	0.5	460511
Cd 226.502	2.7245	ppb	0.1259	4.6	683.489
Co 228.615	60.1409	ppb	0.1144	0.2	815.629
Cr 267.716	262.650	ppb	0.3826	0.1	13475.4
Cu 324.754	95.4030	ppb	1.5405	1.6	4631.10
Fe 271.441	160965	ppb	386.854	0.2	290505
K 766.491	10970.8	ppb	14.1712	0.1	415156
Mg 279.078	31600.3	ppb	70.0301	0.2	71044.6
Mn 257.610	3551.17	ppb	16.7886	0.5	213891
Mo 202.032	9.7390	ppb	0.6436	6.6	85.5186
Na 330.237	1847.80	ppb	81.6581	4.4	60.0087
Ni 231.604	92.0573	ppb	0.8160	0.9	271.723
Pb 220.353	203.402	ppb	3.6432	1.8	440.202
Sb 206.834	5.0690	ppb	3.7764	74.5	15.7636
Se 196.026	-0.7756	ppb	7.6677	988.6	13.2073
Sn 189.925	18.5964	ppb	1.6542	8.9	7.5555
Sr 216.596	357.531	ppb	1.0197	0.3	4529.76
Ti 334.941	947.640	ppb	1.9035	0.2	282165
Tl 190.794	6.9020	ppb	2.5285	36.6	-20.3218
V 292.401	434.867	ppb	0.9937	0.2	12275.0
Zn 206.200	563.878	ppb	1.0778	0.2	904.581

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-21-a (Samp) 5/9/2013, 6:25:19 AM Rack 3, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9006u	-1.7585u	-1.6708u
Al 308.215	118671	118347	117827
As 188.980	69.9039	62.2661	65.8080
B 249.678	-14.4146u	-14.2441u	-14.6232u
Ba 389.178	423.923	426.934	425.957
Be 313.042	13.0161	13.0182	13.0150
Ca 370.602	42375	42396	42334
Cd 226.502	8.1760	8.6611	8.6582
Co 228.615	215.348	214.688	216.522
Cr 267.716	438.221	438.782	439.688
Cu 324.754	72.4804	70.9873	71.7560
Fe 271.441	188079	188008	188357
K 766.491	13181.7	13229.3	13279.4
Mg 279.078	17591.8	17595.4	17625.3
Mn 257.610	2130.57	2130.60	2160.37
Mo 202.032	5.7811	6.2991	6.2402
Na 330.237	2283.55	2409.33	2178.65
Ni 231.604	389.208	389.649	389.399
Pb 220.353	151.171	151.998	150.169
Sb 206.834	6.1766	7.6440	1.4016
Se 196.026	-12.8676u	-7.7658u	-6.0452u
Sn 189.925	17.9477	16.8183	14.9786
Sr 216.596	123.674	124.674	125.474
Ti 334.941	306.064	306.748	306.698
Tl 190.794	10.1635u	2.4615u	3.5179u
V 292.401	160.270	160.402	160.433
Zn 206.200	877.378	876.119	883.045

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7766	ppb	0.1160	6.5	-168.703
Al 308.215	118282	ppb	425.562	0.4	473764
As 188.980	65.9927	ppb	3.8223	5.8	24.2462
B 249.678	-14.4273	ppb	0.1899	1.3	-70.3647
Ba 389.178	425.605	ppb	1.5363	0.4	9810.96
Be 313.042	13.0164	ppb	0.0017	0.0	23512.9
Ca 370.602	42368	ppb	31.67	0.1	115954
Cd 226.502	8.4984	ppb	0.2793	3.3	1001.72
Co 228.615	215.519	ppb	0.9291	0.4	2824.19
Cr 267.716	438.897	ppb	0.7400	0.2	22478.6
Cu 324.754	71.7412	ppb	0.7467	1.0	3567.96
Fe 271.441	188148	ppb	184.198	0.1	339565
K 766.491	13230.1	ppb	48.8530	0.4	500592
Mg 279.078	17604.2	ppb	18.4183	0.1	39593.8
Mn 257.610	2140.51	ppb	17.1953	0.8	129043
Mo 202.032	6.1068	ppb	0.2836	4.6	56.4416
Na 330.237	2290.51	ppb	115.499	5.0	71.6650
Ni 231.604	389.419	ppb	0.2213	0.1	1156.52
Pb 220.353	151.113	ppb	0.9160	0.6	335.823
Sb 206.834	5.0741	ppb	3.2640	64.3	18.6169
Se 196.026	-8.8928	ppb	3.5481	39.9	8.6727
Sn 189.925	16.5816	ppb	1.4986	9.0	5.5460
Sr 216.596	124.607	ppb	0.9019	0.7	1643.34
Ti 334.941	306.503	ppb	0.3809	0.1	91297.7
Tl 190.794	5.3809	ppb	4.1753	77.6	-21.2857
V 292.401	160.368	ppb	0.0864	0.1	4497.06
Zn 206.200	878.847	ppb	3.6895	0.4	1402.75

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-22-a (Samp) 5/9/2013, 6:30:46 AM Rack 3, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6304u	-2.0755u	-1.6010u
Al 308.215	141140	141357	140945
As 188.980	200.914	208.735	206.729
B 249.678	36.1486	36.8671	38.5991
Ba 389.178	736.373	737.622	740.551
Be 313.042	16.1092	16.1623	16.1529
Ca 370.602	232318	234482	233594
Cd 226.502	1.4502	0.9717	1.6356
Co 228.615	55.1712	54.7048	55.0104
Cr 267.716	388.267	389.301	390.342
Cu 324.754	120.628	120.791	121.795
Fe 271.441	281994	282221	282451
K 766.491	15676.8	15692.6	15731.9
Mg 279.078	38246.5	38239.6	38236.0
Mn 257.610	3317.32	3309.73	3342.11
Mo 202.032	11.0435	11.2237	12.0951
Na 330.237	2386.15u	2405.41u	2606.01u
Ni 231.604	130.328	131.198	130.625
Pb 220.353	190.828	191.187	198.158
Sb 206.834	7.7557	2.9178	-0.6027
Se 196.026	-2.4778	-5.5360u	-1.2237
Sn 189.925	18.7186	21.5840	21.2624
Sr 216.596	482.463	484.252	483.620
Ti 334.941	1253.69	1254.89	1255.96
Tl 190.794	1.7453u	5.8279u	7.1193u
V 292.401	509.384	509.534	511.011
Zn 206.200	661.232	665.568	660.241

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7690	ppb	0.2659	15.0	-178.007
Al 308.215	141147	ppb	205.804	0.1	565339
As 188.980	205.459	ppb	4.0624	2.0	89.2697
B 249.678	37.2049	ppb	1.2597	3.4	481.623
Ba 389.178	738.182	ppb	2.1446	0.3	16981.9
Be 313.042	16.1415	ppb	0.0283	0.2	29296.3
Ca 370.602	233465	ppb	1088	0.5	698248
Cd 226.502	1.3525	ppb	0.3426	25.3	1036.00
Co 228.615	54.9621	ppb	0.2369	0.4	752.815
Cr 267.716	389.303	ppb	1.0378	0.3	19973.4
Cu 324.754	121.071	ppb	0.6317	0.5	5826.99
Fe 271.441	282222	ppb	228.080	0.1	509250
K 766.491	15700.4	ppb	28.3950	0.2	594006
Mg 279.078	38240.7	ppb	5.3596	0.0	85999.5
Mn 257.610	3323.05	ppb	16.9326	0.5	200279
Mo 202.032	11.4541	ppb	0.5624	4.9	92.1503
Na 330.237	2465.85	ppb	121.760	4.9	27.5109
Ni 231.604	130.717	ppb	0.4425	0.3	389.537
Pb 220.353	193.391	ppb	4.1323	2.1	420.490
Sb 206.834	3.3569	ppb	4.1965	125.0	18.4999
Se 196.026	-3.0792	ppb	2.2182	72.0	12.6833
Sn 189.925	20.5217	ppb	1.5697	7.6	9.4585
Sr 216.596	483.445	ppb	0.9073	0.2	6152.60
Ti 334.941	1254.84	ppb	1.1381	0.1	373638
Tl 190.794	4.8975	ppb	2.8052	57.3	-28.6426
V 292.401	509.977	ppb	0.8991	0.2	14394.1
Zn 206.200	662.347	ppb	2.8331	0.4	1072.40

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-23-a (Samp) 5/9/2013, 6:36:13 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9039u	-1.5815u	-2.2639u
Al 308.215	121829	122076	121854
As 188.980	61.0831	62.8744	64.1072
B 249.678	-15.9725u	-16.3036u	-15.8888u
Ba 389.178	541.038	540.423	542.617
Be 313.042	15.9086	15.8891	15.9320
Ca 370.602	48056	48083	48055
Cd 226.502	14.0026	13.7173	13.8435
Co 228.615	89.6113	88.6339	88.9670
Cr 267.716	298.124	297.898	298.626
Cu 324.754	58.3956	58.2817	58.2082
Fe 271.441	202929	202342	203179
K 766.491	12673.0	12703.9	12722.9
Mg 279.078	19462.4	19410.4	19442.3
Mn 257.610	1705.35	1701.48	1714.18
Mo 202.032	10.2040	10.2016	10.4154
Na 330.237	2470.41	2325.56	2499.57
Ni 231.604	361.851	364.090	361.301
Pb 220.353	132.728	128.451	127.043
Sb 206.834	10.2403	-7.3470	2.8307
Se 196.026	-1.7754	-10.7960u	-6.2605u
Sn 189.925	17.2536	17.9368	17.5166
Sr 216.596	132.682	132.870	133.077
Ti 334.941	370.623	370.909	371.779
Tl 190.794	4.1506u	-0.4921u	-0.1265u
V 292.401	229.217	228.601	229.279
Zn 206.200	993.084	988.244	989.296

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9164	ppb	0.3413	17.8	-181.396
Al 308.215	121920	ppb	135.830	0.1	488335
As 188.980	62.6882	ppb	1.5206	2.4	22.6534
B 249.678	-16.0550	ppb	0.2193	1.4	-110.815
Ba 389.178	541.359	ppb	1.1320	0.2	12424.0
Be 313.042	15.9099	ppb	0.0215	0.1	28819.5
Ca 370.602	48065	ppb	15.61	0.0	132369
Cd 226.502	13.8545	ppb	0.1430	1.0	1261.71
Co 228.615	89.0707	ppb	0.4969	0.6	1174.69
Cr 267.716	298.216	ppb	0.3724	0.1	15294.8
Cu 324.754	58.2952	ppb	0.0945	0.2	2961.71
Fe 271.441	202817	ppb	429.345	0.2	366007
K 766.491	12699.9	ppb	25.1871	0.2	480541
Mg 279.078	19438.4	ppb	26.2220	0.1	43728.0
Mn 257.610	1707.01	ppb	6.5102	0.4	102990
Mo 202.032	10.2737	ppb	0.1227	1.2	87.8327
Na 330.237	2431.85	ppb	93.1921	3.8	70.2061
Ni 231.604	362.414	ppb	1.4774	0.4	1076.57
Pb 220.353	129.407	ppb	2.9607	2.3	292.444
Sb 206.834	1.9080	ppb	8.8299	462.8	13.5816
Se 196.026	-6.2773	ppb	4.5103	71.9	10.0512
Sn 189.925	17.5690	ppb	0.3446	2.0	6.5060
Sr 216.596	132.876	ppb	0.1976	0.1	1753.51
Ti 334.941	371.104	ppb	0.6020	0.2	110534
Tl 190.794	1.1773	ppb	2.5814	219.3	-25.9291
V 292.401	229.032	ppb	0.3748	0.2	6446.50
Zn 206.200	990.208	ppb	2.5454	0.3	1580.06

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89959-b-1-a (Samp)**      **5/9/2013, 6:41:40 AM**      **Rack 3, Tube 48****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9112u	-0.3947u	-1.8246u
Al 308.215	143829	142613	143104
As 188.980	18.9500	22.0669	13.6755
B 249.678	-31.2856u	-32.6450u	-32.7075u
Ba 389.178	863.656	862.411	865.314
Be 313.042	11.3088	11.2800	11.3037
Ca 370.602	-940.0u	-820.6u	-887.7u
Cd 226.502	-1.0984	-0.6788	-0.6602
Co 228.615	79.5071	79.7304	78.7220
Cr 267.716	233.259	232.459	233.009
Cu 324.754	349.320	349.277	346.967
Fe 271.441	279495	278197	278978
K 766.491	50704.2x	50602.5x	50630.7x
Mg 279.078	60130.2	60008.4	59966.9
Mn 257.610	4081.89	4093.27	4100.91
Mo 202.032	0.9944u	0.8861u	0.4732u
Na 330.237	2899.49u	2728.89u	2971.64u
Ni 231.604	53.3787	55.0569	56.0851
Pb 220.353	107.807	114.059	107.233
Sb 206.834	-2.7705	2.9760	-5.0988
Se 196.026	-13.1106u	-16.6101u	-3.2247
Sn 189.925	20.3004	23.9757	22.1491
Sr 216.596	15.4552	15.0037	15.3634
Ti 334.941	10002.6	9987.49	9988.86
Tl 190.794	7.0611u	10.1574u	15.1914u
V 292.401	635.631	635.010	636.403
Zn 206.200	772.254	770.753	768.066

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0435b	ppb	0.7240	69.4	-95.9016
Al 308.215	143182b	ppb	611.727	0.4	573487
As 188.980	18.2308b	ppb	4.2417	23.3	1.1981
B 249.678	-32.2127b	ppb	0.8035	2.5	-421.467
Ba 389.178	863.793b	ppb	1.4564	0.2	19841.3
Be 313.042	11.2975b	ppb	0.0154	0.1	20325.6
Ca 370.602	-882.8b	ppb	59.85	6.8	-22857
Cd 226.502	-0.8125b	ppb	0.2478	30.5	940.121
Co 228.615	79.3198b	ppb	0.5296	0.7	1327.83
Cr 267.716	232.909b	ppb	0.4098	0.2	12005.3
Cu 324.754	348.521b	ppb	1.3464	0.4	16137.8
Fe 271.441	278890b	ppb	653.081	0.2	503248
K 766.491	50645.8xb	ppb	52.4938	0.1	1915456
Mg 279.078	60035.2b	ppb	84.8463	0.1	135004
Mn 257.610	4092.02b	ppb	9.5708	0.2	246576
Mo 202.032	0.7846b	ppb	0.2751	35.1	9.3053
Na 330.237	2866.67b	ppb	124.658	4.3	-18.9051
Ni 231.604	54.8402b	ppb	1.3661	2.5	163.855
Pb 220.353	109.700b	ppb	3.7861	3.5	247.914
Sb 206.834	-1.6311b	ppb	4.1563	254.8	10.8153
Se 196.026	-10.9818b	ppb	6.9419	63.2	8.6557
Sn 189.925	22.1417b	ppb	1.8376	8.3	10.9132
Sr 216.596	15.2741b	ppb	0.2386	1.6	335.587
Ti 334.941	9992.99b	ppb	8.3719	0.1	2974234
Tl 190.794	10.8033b	ppb	4.1035	38.0	-23.3361
V 292.401	635.681b	ppb	0.6980	0.1	18100.9
Zn 206.200	770.357b	ppb	2.1219	0.3	1242.53



E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Verif (CCV) 5/9/2013, 6:47:07 AM Rack 3, Tube 49  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	500.606	504.500	503.282
Al 308.215	4954.54	4966.98	4980.90
As 188.980	503.850	494.288	515.610
B 249.678	494.339	497.110	502.288
Ba 389.178	5135.45	5151.25	5168.56
Be 313.042	521.223	521.666	522.812
Ca 370.602	5037	5045	5066
Cd 226.502	517.349	517.297	519.441
Co 228.615	524.222	524.244	525.047
Cr 267.716	5204.96	5213.07	5225.31
Cu 324.754	5206.74	5250.75	5228.34
Fe 271.441	4985.69	5004.63	5027.07
K 766.491	10336.0	10333.3	10341.4
Mg 279.078	4987.83	5001.59	5022.75
Mn 257.610	5299.76	5269.40	5315.58
Mo 202.032	501.035	501.879	504.280
Na 330.237	7477.76	7121.64	7517.50
Ni 231.604	2594.23	2606.48	2600.67
Pb 220.353	491.222	488.436	498.040
Sb 206.834	986.903	991.200	993.880
Se 196.026	4941.95	4916.45	4941.26
Sn 189.925	5041.35	5028.24	5058.30
Sr 216.596	2541.72	2546.72	2551.69
Ti 334.941	503.413	504.231	506.022
Tl 190.794	5037.87	5036.24	5081.49
V 292.401	5022.04	5031.59	5047.07
Zn 206.200	2576.59	2572.58	2585.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.796	ppb	1.9923	0.4	38557.7	100.55916
Al 308.215	4967.47	ppb	13.1908	0.3	19915.1	99.34943
As 188.980	504.583	ppb	10.6796	2.1	227.348	100.91659
B 249.678	497.912	ppb	4.0352	0.8	6866.41	19.91649Q
Ba 389.178	5151.75	ppb	16.5605	0.3	115210	103.03504
Be 313.042	521.901	ppb	0.8201	0.2	956716	104.38011
Ca 370.602	5050	ppb	14.86	0.3	15472	100.99099
Cd 226.502	518.029	ppb	1.2229	0.2	20443.4	103.60582
Co 228.615	524.505	ppb	0.4703	0.1	6863.96	104.90092
Cr 267.716	5214.44	ppb	10.2465	0.2	266289	104.28888
Cu 324.754	5228.61	ppb	22.0071	0.4	237312	104.57220
Fe 271.441	5005.80	ppb	20.7156	0.4	9277.92	100.11592
K 766.491	10336.9	ppb	4.1068	0.0	391186	103.36922
Mg 279.078	5004.06	ppb	17.5881	0.4	11200.0	100.08119
Mn 257.610	5294.92	ppb	23.4679	0.4	318565	105.89833
Mo 202.032	502.398	ppb	1.6836	0.3	3905.79	100.47964
Na 330.237	7372.30	ppb	217.984	3.0	410.801	98.29733
Ni 231.604	2600.46	ppb	6.1280	0.2	7726.30	104.01841
Pb 220.353	492.566	ppb	4.9410	1.0	1015.08	98.51317
Sb 206.834	990.661	ppb	3.5198	0.4	1236.07	99.06609
Se 196.026	4933.22	ppb	14.5296	0.3	2645.42	98.66442
Sn 189.925	5042.63	ppb	15.0693	0.3	4879.84	100.85261
Sr 216.596	2546.71	ppb	4.9844	0.2	31442.2	101.86854
Ti 334.941	504.555	ppb	1.3342	0.3	150149	100.91105
Tl 190.794	5051.86	ppb	25.6677	0.5	5326.15	101.03728
V 292.401	5033.57	ppb	12.6318	0.3	141805	100.67133
Zn 206.200	2578.28	ppb	6.6964	0.3	4042.83	103.13104

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Blank (CCB) 5/9/2013, 6:52:34 AM Rack 3, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4757	0.0642	0.1766
Al 308.215	5.5248	0.6489	2.7354
As 188.980	-1.7523u	4.5298	-4.6962u
B 249.678	-9.7022u	-10.1911u	-10.0118u
Ba 389.178	-0.2801u	-0.3630u	0.4248
Be 313.042	0.0009	0.0049	0.0115
Ca 370.602	-0.0706	0.0633	-1.129u
Cd 226.502	-0.3643u	-0.1015u	-0.2145u
Co 228.615	-0.3163u	0.2238	0.5326
Cr 267.716	0.0191	0.0757	0.0063
Cu 324.754	-0.1422u	0.3316	0.5085
Fe 271.441	-0.7455u	-2.9951u	-7.2932u
K 766.491	0.2395	0.6275	0.6704
Mg 279.078	-2.3621u	0.9857	1.0846
Mn 257.610	-0.2970u	0.0266	-0.2661u
Mo 202.032	-0.1374u	0.3007	0.1367
Na 330.237	8.6185	48.2893	2.4475
Ni 231.604	0.4082	1.1015	1.1436
Pb 220.353	-0.8768u	1.6522	1.2140
Sb 206.834	5.1042	5.6846	8.7047
Se 196.026	3.3320	-3.2487u	-6.0729u
Sn 189.925	0.8324	2.7508	-0.8695u
Sr 216.596	0.4959	-0.1495u	-0.1528u
Ti 334.941	0.1927	0.2405	0.1623
Tl 190.794	1.1707	-0.4301u	-0.2740u
V 292.401	0.1676	-0.0273u	0.0666
Zn 206.200	-0.4290u	-0.7543u	-0.8612u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2389	ppb	0.2127	89.1	-18.5886	0.23886
Al 308.215	2.9697	ppb	2.4464	82.4	47.6634	2.96970
As 188.980	-0.6396	ppb	4.7126	736.8	-5.3311	-0.63956
B 249.678	-9.9684	ppb	0.2473	2.5	233.871	-9.96836
Ba 389.178	-0.0728	ppb	0.4329	595.0	-9.7204	-0.07275
Be 313.042	0.0058	ppb	0.0054	92.9	-366.301	0.00577
Ca 370.602	-0.3786	ppb	0.6530	172.4	13.83	-0.37864
Cd 226.502	-0.2268	ppb	0.1318	58.1	27.4035	-0.22681
Co 228.615	0.1467	ppb	0.4297	292.8	10.4139	0.14673
Cr 267.716	0.0337	ppb	0.0369	109.6	7.5258	0.03371
Cu 324.754	0.2326	ppb	0.3364	144.6	276.246	0.23265
Fe 271.441	-3.6779	ppb	3.3268	90.5	105.067	-3.67792
K 766.491	0.5125	ppb	0.2374	46.3	316.880	0.51248
Mg 279.078	-0.0973	ppb	1.9620	2016.9	36.0993	-0.09728
Mn 257.610	-0.1789	ppb	0.1786	99.8	132.503	-0.17886
Mo 202.032	0.1000	ppb	0.2213	221.3	20.2902	0.10000
Na 330.237	19.7851	ppb	24.8774	125.7	58.8203	19.78515
Ni 231.604	0.8845	ppb	0.4129	46.7	-3.2029	0.88445
Pb 220.353	0.6632	ppb	1.3515	203.8	32.5557	0.66315
Sb 206.834	6.4979	ppb	1.9331	29.8	10.0522	6.49785
Se 196.026	-1.9965	ppb	4.8259	241.7	10.5932	-1.99650
Sn 189.925	0.9046	ppb	1.8112	200.2	-9.6735	0.90457
Sr 216.596	0.0645	ppb	0.3736	579.1	17.3017	0.06451
Ti 334.941	0.1985	ppb	0.0394	19.9	26.9652	0.19849
Tl 190.794	0.1555	ppb	0.8826	567.5	-13.4740	0.15552
V 292.401	0.0690	ppb	0.0975	141.3	-8.2428	0.06898
Zn 206.200	-0.6815	ppb	0.2251	33.0	0.7530	-0.68149

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680-89959-b-2-a (Samp) 5/9/2013, 6:58:01 AM Rack 3, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1083u	-0.8738u	-0.6262u
Al 308.215	114309	113849	114065
As 188.980	9.3962	0.8045	0.0189u
B 249.678	-15.7673u	-15.3724u	-15.8647u
Ba 389.178	302.253	301.932	301.380
Be 313.042	2.0853	2.0939	2.0992
Ca 370.602	648.3	640.9	641.7
Cd 226.502	0.0578	0.1822	0.2102
Co 228.615	40.4669	39.6998	39.8836
Cr 267.716	5.8010	5.8582	5.8156
Cu 324.754	81.9074	81.3575	81.9276
Fe 271.441	6389.12	6370.38	6355.63
K 766.491	2992.40	2987.92	3003.84
Mg 279.078	1146.11	1135.25	1134.65
Mn 257.610	582.960	578.974	577.094
Mo 202.032	0.3378	0.6263	0.1945
Na 330.237	-15.8200u	39.3570u	96.0847u
Ni 231.604	28.1927	30.3974	29.9210
Pb 220.353	115.153	113.638	116.372
Sb 206.834	2.9110	-0.2146	8.3366
Se 196.026	0.8482	-2.1709u	-2.4218u
Sn 189.925	11.4489	12.9299	11.7656
Sr 216.596	2.1908	2.1581	2.4502
Ti 334.941	498.741	496.664	497.658
Tl 190.794	-1.6986u	1.2519	2.7597
V 292.401	5.0778	4.9039	5.1214
Zn 206.200	141.966	142.114	140.388

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8694	ppb	0.2411	27.7	-100.601
Al 308.215	114074	ppb	229.693	0.2	456915
As 188.980	3.4065	ppb	5.2021	152.7	-3.5109
B 249.678	-15.6681	ppb	0.2607	1.7	151.028
Ba 389.178	301.855	ppb	0.4415	0.1	6752.51
Be 313.042	2.0928	ppb	0.0070	0.3	3472.02
Ca 370.602	643.7	ppb	4.068	0.6	1601
Cd 226.502	0.1501	ppb	0.0811	54.1	63.6420
Co 228.615	40.0168	ppb	0.4005	1.0	545.125
Cr 267.716	5.8249	ppb	0.0297	0.5	309.701
Cu 324.754	81.7308	ppb	0.3235	0.4	3973.24
Fe 271.441	6371.71	ppb	16.7845	0.3	11612.9
K 766.491	2994.72	ppb	8.2092	0.3	113542
Mg 279.078	1138.67	ppb	6.4517	0.6	2553.13
Mn 257.610	579.676	ppb	2.9950	0.5	35009.0
Mo 202.032	0.3862	ppb	0.2199	56.9	22.1566
Na 330.237	39.8739	ppb	55.9541	140.3	51.7105
Ni 231.604	29.5037	ppb	1.1601	3.9	82.0889
Pb 220.353	115.055	ppb	1.3696	1.2	263.263
Sb 206.834	3.6777	ppb	4.3268	117.7	6.9705
Se 196.026	-1.2482	ppb	1.8199	145.8	11.1879
Sn 189.925	12.0482	ppb	0.7799	6.5	1.1337
Sr 216.596	2.2664	ppb	0.1600	7.1	47.0585
Ti 334.941	497.688	ppb	1.0389	0.2	148093
Tl 190.794	0.7710	ppb	2.2677	294.1	-14.0459
V 292.401	5.0344	ppb	0.1151	2.3	138.986
Zn 206.200	141.489	ppb	0.9563	0.7	223.695

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680-89959-b-3-a (Samp)                      5/9/2013, 7:03:28 AM                      Rack 3, Tube 52  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.1650u	-2.3044u	-2.6475u
Al 308.215	204136	203381	203324
As 188.980	23.6816	-0.2923u	20.3357
B 249.678	-29.3608u	-29.4912u	-29.7545u
Ba 389.178	1091.60	1095.28	1094.07
Be 313.042	16.8769	16.8606	16.8769
Ca 370.602	2402u	2450u	2464u
Cd 226.502	-0.7777	-0.4765	-0.5451
Co 228.615	259.492	262.662	261.465
Cr 267.716	417.176	417.412	417.140
Cu 324.754	364.578	364.279	366.698
Fe 271.441	284857	284963	284981
K 766.491	48651.3x	48886.5x	48882.7x
Mg 279.078	49878.8	49931.6	49849.9
Mn 257.610	8478.09	8543.89	8558.84
Mo 202.032	5.5241	5.0023	4.8993
Na 330.237	3093.49u	3238.88u	3169.59u
Ni 231.604	262.534	265.263	264.728
Pb 220.353	446.057	445.120	450.439
Sb 206.834	2.7407	4.5803	6.7276
Se 196.026	-9.2416u	-3.1124	-2.6245
Sn 189.925	26.3260	25.5815	23.3773
Sr 216.596	27.0371	27.5426	27.9060
Ti 334.941	13850.6	13871.4	13874.5
Tl 190.794	13.6481u	26.9992	21.0766u
V 292.401	878.416	879.452	879.598
Zn 206.200	501.200	500.554	497.287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.3723b	ppb	0.2484	10.5	-176.027
Al 308.215	203614b	ppb	452.949	0.2	815518
As 188.980	14.5750b	ppb	12.9837	89.1	-0.5100
B 249.678	-29.5355b	ppb	0.2006	0.7	-394.602
Ba 389.178	1093.65b	ppb	1.8718	0.2	24963.9
Be 313.042	16.8715b	ppb	0.0094	0.1	30546.7
Ca 370.602	2439b	ppb	32.88	1.3	-12284
Cd 226.502	-0.5998b	ppb	0.1579	26.3	969.204
Co 228.615	261.207b	ppb	1.6009	0.6	3815.76
Cr 267.716	417.242b	ppb	0.1478	0.0	21447.4
Cu 324.754	365.185b	ppb	1.3190	0.4	16892.9
Fe 271.441	284934b	ppb	66.9006	0.0	514184
K 766.491	48806.8xb	ppb	134.667	0.3	1845917
Mg 279.078	49886.8b	ppb	41.4671	0.1	112086
Mn 257.610	8526.94b	ppb	42.9601	0.5	513242
Mo 202.032	5.1419b	ppb	0.3350	6.5	42.2708
Na 330.237	3167.32b	ppb	72.7246	2.3	-34.6559
Ni 231.604	264.175b	ppb	1.4458	0.5	786.446
Pb 220.353	447.205b	ppb	2.8392	0.6	921.782
Sb 206.834	4.6829b	ppb	1.9955	42.6	20.6039
Se 196.026	-4.9928b	ppb	3.6876	73.9	13.0622
Sn 189.925	25.0949b	ppb	1.5334	6.1	13.7784
Sr 216.596	27.4952b	ppb	0.4364	1.6	485.763
Ti 334.941	13865.5b	ppb	13.0152	0.1	4126653
Tl 190.794	20.5747b	ppb	6.6897	32.5	-19.9113
V 292.401	879.155b	ppb	0.6443	0.1	25031.0
Zn 206.200	499.680b	ppb	2.0975	0.4	816.603

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680-89959-b-4-a (Samp) 5/9/2013, 7:08:56 AM Rack 3, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6154u	-1.9259u	-0.8939u
Al 308.215	153524	153096	153191
As 188.980	-0.8194u	-8.2437u	-0.9639u
B 249.678	-27.5880u	-26.9624u	-28.1378u
Ba 389.178	757.721	759.331	759.971
Be 313.042	15.6857	15.7041	15.6801
Ca 370.602	2470u	2508u	2503u
Cd 226.502	-0.8322	-0.5198	-0.7039
Co 228.615	61.0817	60.9516	61.1073
Cr 267.716	1606.20	1608.95	1606.74
Cu 324.754	176.374	177.671	178.382
Fe 271.441	232698	233003	232848
K 766.491	29213.2	29318.1	29208.6
Mg 279.078	23954.4	23960.7	23915.1
Mn 257.610	2322.52	2339.69	2331.82
Mo 202.032	1.2948u	1.8844	2.2686
Na 330.237	2110.12u	2096.32u	2135.85u
Ni 231.604	46.8988	45.5416	47.0698
Pb 220.353	389.097	391.665	383.253
Sb 206.834	4.9427	1.1840	5.9185
Se 196.026	-9.8234u	-5.6567u	-6.3037u
Sn 189.925	19.5665	15.6949	19.3305
Sr 216.596	22.4902	23.1809	22.4058
Ti 334.941	7200.73	7203.27	7212.14
Tl 190.794	8.4911u	12.4164u	3.9032u
V 292.401	582.296	582.613	582.943
Zn 206.200	367.700	371.262	368.818

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1451	ppb	0.6904	60.3	-111.951
Al 308.215	153271	ppb	224.778	0.1	613892
As 188.980	-3.3423	ppb	4.2453	127.0	-8.3608
B 249.678	-27.5627	ppb	0.5881	2.1	-300.811
Ba 389.178	759.008	ppb	1.1597	0.2	17344.0
Be 313.042	15.6900	ppb	0.0125	0.1	28390.6
Ca 370.602	2494	ppb	20.68	0.8	-9364
Cd 226.502	-0.6853	ppb	0.1570	22.9	791.020
Co 228.615	61.0469	ppb	0.0835	0.1	1014.16
Cr 267.716	1607.30	ppb	1.4592	0.1	82173.7
Cu 324.754	177.475	ppb	1.0184	0.6	8370.34
Fe 271.441	232849	ppb	152.719	0.1	420190
K 766.491	29246.6	ppb	61.9003	0.2	1106252
Mg 279.078	23943.4	ppb	24.6687	0.1	53846.4
Mn 257.610	2331.34	ppb	8.5949	0.4	140568
Mo 202.032	1.8159	ppb	0.4905	27.0	19.8858
Na 330.237	2114.10	ppb	20.0642	0.9	-9.8199
Ni 231.604	46.5034	ppb	0.8373	1.8	137.993
Pb 220.353	388.005	ppb	4.3110	1.1	805.295
Sb 206.834	4.0151	ppb	2.4999	62.3	32.2969
Se 196.026	-7.2613	ppb	2.2423	30.9	9.8766
Sn 189.925	18.1973	ppb	2.1704	11.9	7.0910
Sr 216.596	22.6923	ppb	0.4252	1.9	406.251
Ti 334.941	7205.38	ppb	5.9905	0.1	2144456
Tl 190.794	8.2702	ppb	4.2609	51.5	-20.8094
V 292.401	582.617	ppb	0.3236	0.1	16468.1
Zn 206.200	369.260	ppb	1.8214	0.5	601.973

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**680-89959-b-5-a (Samp)**      **5/9/2013, 7:14:23 AM**      **Rack 3, Tube 54****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5091u	-1.7432u	-0.9872u
Al 308.215	514951	510552	509381
As 188.980	-4.3131u	0.8196u	5.6049
B 249.678	-20.1687u	-20.5766u	-18.8724u
Ba 389.178	2105.42	2086.77	2084.23
Be 313.042	4.0653	4.0322	4.0234
Ca 370.602	119.0u	121.1u	137.6u
Cd 226.502	1.2154	1.3138	1.3386
Co 228.615	157.687	155.308	156.785
Cr 267.716	23.7382	23.1617	23.2143
Cu 324.754	577.386	570.928	569.226
Fe 271.441	60797.7	60338.0	60199.1
K 766.491	25730.3	25438.8	25357.5
Mg 279.078	12186.9	12096.7	12063.1
Mn 257.610	1916.59	1899.18	1895.74
Mo 202.032	1.2765	0.9368	1.4068
Na 330.237	1089.49u	1043.24u	827.721u
Ni 231.604	306.560	310.885	307.373
Pb 220.353	174.693	170.307	174.594
Sb 206.834	6.6937	2.2009	1.4801
Se 196.026	-3.8105u	-4.1426u	-4.0447u
Sn 189.925	13.7593	12.8972	11.5455
Sr 216.596	6.1037	6.6878	5.2715
Ti 334.941	5828.38	5786.84	5769.67
Tl 190.794	-2.3087u	5.0531u	1.4209u
V 292.401	95.2582	94.7445	94.2113
Zn 206.200	342.684	336.281	338.739

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0799	ppb	0.6223	57.6	-108.476
Al 308.215	511628	ppb	2936.38	0.6	2049155
As 188.980	0.7038	ppb	4.9600	704.8	-5.1808
B 249.678	-19.8726	ppb	0.8899	4.5	25.3167
Ba 389.178	2092.14	ppb	11.5716	0.6	46882.7
Be 313.042	4.0403	ppb	0.0221	0.5	7074.12
Ca 370.602	125.9	ppb	10.20	8.1	-3290
Cd 226.502	1.2893	ppb	0.0652	5.1	290.154
Co 228.615	156.593	ppb	1.2012	0.8	2220.39
Cr 267.716	23.3714	ppb	0.3188	1.4	1239.48
Cu 324.754	572.514	ppb	4.3049	0.8	26240.3
Fe 271.441	60444.9	ppb	313.307	0.5	109182
K 766.491	25508.9	ppb	196.012	0.8	964910
Mg 279.078	12115.6	ppb	64.0231	0.5	27105.4
Mn 257.610	1903.84	ppb	11.1815	0.6	114705
Mo 202.032	1.2067	ppb	0.2427	20.1	25.4208
Na 330.237	986.817	ppb	139.707	14.2	30.4245
Ni 231.604	308.273	ppb	2.2986	0.7	912.401
Pb 220.353	173.198	ppb	2.5042	1.4	384.781
Sb 206.834	3.4582	ppb	2.8251	81.7	8.3929
Se 196.026	-3.9993	ppb	0.1706	4.3	10.4130
Sn 189.925	12.7340	ppb	1.1159	8.8	1.7967
Sr 216.596	6.0210	ppb	0.7118	11.8	113.435
Ti 334.941	5794.96	ppb	30.1880	0.5	1724654
Tl 190.794	1.3884	ppb	3.6810	265.1	-18.2565
V 292.401	94.7380	ppb	0.5235	0.6	2756.19
Zn 206.200	339.235	ppb	3.2299	1.0	540.788

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680-89959-b-6-a (Samp) 5/9/2013, 7:19:50 AM Rack 3, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.3747u	-3.9148u	-4.6291u
Al 308.215	159816	159815	158770
As 188.980	27.7923	25.3936	28.8904
B 249.678	-24.2578u	-24.8371u	-24.2524u
Ba 389.178	1693.35	1698.30	1690.13
Be 313.042	10.6332	10.6439	10.6045
Ca 370.602	954.1u	948.2u	951.8u
Cd 226.502	-0.4221	-0.4228	-0.3951
Co 228.615	67.2969	68.1074	66.5700
Cr 267.716	111.901	111.932	111.559
Cu 324.754	158.508	159.095	158.350
Fe 271.441	160813	160832	160107
K 766.491	56985.4x	56894.2x	56441.0x
Mg 279.078	37695.3	37762.2	37489.1
Mn 257.610	2419.33	2419.43	2397.20
Mo 202.032	1.1533u	0.1846u	0.8995u
Na 330.237	2361.20u	2244.85u	2416.69u
Ni 231.604	56.6878	54.7080	56.7601
Pb 220.353	142.876	141.347	145.178
Sb 206.834	-0.7217	5.1051	3.1989
Se 196.026	-2.5762	-4.3974u	-18.4797u
Sn 189.925	19.1989	19.3116	20.9534
Sr 216.596	20.3521	20.1375	20.4351
Ti 334.941	15453.2	15518.6	15404.2
Tl 190.794	8.3425u	6.2045u	12.0022
V 292.401	322.354	322.612	321.271
Zn 206.200	500.272	500.553	499.377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.9729b	ppb	0.6292	15.8	-330.363
Al 308.215	159467b	ppb	603.516	0.4	638714
As 188.980	27.3588b	ppb	1.7883	6.5	6.3311
B 249.678	-24.4491b	ppb	0.3360	1.4	-165.571
Ba 389.178	1693.93b	ppb	4.1168	0.2	38182.4
Be 313.042	10.6272b	ppb	0.0204	0.2	19112.1
Ca 370.602	951.4b	ppb	3.005	0.3	-6924
Cd 226.502	-0.4133b	ppb	0.0158	3.8	559.695
Co 228.615	67.3248b	ppb	0.7691	1.1	1336.54
Cr 267.716	111.798b	ppb	0.2071	0.2	5796.94
Cu 324.754	158.651b	ppb	0.3923	0.2	7499.61
Fe 271.441	160584b	ppb	413.035	0.3	289823
K 766.491	56773.5xb	ppb	291.561	0.5	2147175
Mg 279.078	37648.8b	ppb	142.314	0.4	84654.4
Mn 257.610	2411.99b	ppb	12.8063	0.5	145403
Mo 202.032	0.7458b	ppb	0.5023	67.4	15.9814
Na 330.237	2340.91b	ppb	87.6995	3.7	-26.8771
Ni 231.604	56.0520b	ppb	1.1645	2.1	164.683
Pb 220.353	143.134b	ppb	1.9284	1.3	311.041
Sb 206.834	2.5274b	ppb	2.9708	117.5	11.1165
Se 196.026	-8.4844b	ppb	8.7039	102.6	8.7888
Sn 189.925	19.8213b	ppb	0.9820	5.0	8.6669
Sr 216.596	20.3082b	ppb	0.1536	0.8	342.401
Ti 334.941	15458.7b	ppb	57.4046	0.4	4600711
Tl 190.794	8.8497b	ppb	2.9320	33.1	-16.5133
V 292.401	322.079b	ppb	0.7113	0.2	9335.35
Zn 206.200	500.067b	ppb	0.6142	0.1	804.598

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680-89959-b-7-a (Samp) 5/9/2013, 7:25:17 AM Rack 3, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.3125u	-2.2191u	-2.0652u
Al 308.215	206285	205108	205549
As 188.980	25.1616	25.3702	28.6332
B 249.678	-21.2501u	-21.7759u	-22.3495u
Ba 389.178	939.837	935.348	936.701
Be 313.042	11.7278	11.6675	11.7164
Ca 370.602	8232	8274	8269
Cd 226.502	0.1090	0.3969	0.1503
Co 228.615	126.547	124.202	125.361
Cr 267.716	321.876	320.662	321.277
Cu 324.754	288.232	287.448	287.279
Fe 271.441	290962	289794	290224
K 766.491	41294.6x	41051.9x	41119.5x
Mg 279.078	37450.8	37338.5	37335.4
Mn 257.610	6829.19	6838.91	6833.84
Mo 202.032	8.7909	8.3256	9.1235
Na 330.237	2779.25u	2615.45u	2907.80u
Ni 231.604	134.518	138.238	133.280
Pb 220.353	1091.06	1090.84	1078.96
Sb 206.834	7.1949	4.5969	11.4158
Se 196.026	-3.2331	-5.4271	-7.5959u
Sn 189.925	22.2786	23.2061	23.4575
Sr 216.596	48.6078	47.2401	47.4015
Ti 334.941	11733.6	11686.0	11701.9
Tl 190.794	17.3814u	20.9206u	19.1511u
V 292.401	837.407	833.908	837.405
Zn 206.200	522.411	519.282	519.663

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1989b	ppb	0.1249	5.7	-171.792
Al 308.215	205647b	ppb	594.296	0.3	823663
As 188.980	26.3883b	ppb	1.9469	7.4	4.9327
B 249.678	-21.7918b	ppb	0.5499	2.5	-301.023
Ba 389.178	937.296b	ppb	2.3029	0.2	21444.4
Be 313.042	11.7039b	ppb	0.0320	0.3	21071.9
Ca 370.602	8258b	ppb	22.68	0.3	4774
Cd 226.502	0.2187b	ppb	0.1556	71.2	1020.83
Co 228.615	125.370b	ppb	1.1724	0.9	1979.07
Cr 267.716	321.271b	ppb	0.6066	0.2	16535.6
Cu 324.754	287.653b	ppb	0.5083	0.2	13379.4
Fe 271.441	290327b	ppb	590.807	0.2	523889
K 766.491	41155.3xb	ppb	125.288	0.3	1556576
Mg 279.078	37374.9b	ppb	65.7397	0.2	83974.3
Mn 257.610	6833.98b	ppb	4.8592	0.1	411407
Mo 202.032	8.7467b	ppb	0.4008	4.6	70.0052
Na 330.237	2767.50b	ppb	146.525	5.3	-41.5986
Ni 231.604	135.345b	ppb	2.5808	1.9	403.533
Pb 220.353	1086.96b	ppb	6.9226	0.6	2200.51
Sb 206.834	7.7359b	ppb	3.4415	44.5	23.1553
Se 196.026	-5.4187b	ppb	2.1814	40.3	12.4120
Sn 189.925	22.9807b	ppb	0.6209	2.7	11.7308
Sr 216.596	47.7498b	ppb	0.7474	1.6	742.061
Ti 334.941	11707.2b	ppb	24.2495	0.2	3484279
Tl 190.794	19.1510b	ppb	1.7696	9.2	-19.1650
V 292.401	836.240b	ppb	2.0195	0.2	23788.4
Zn 206.200	520.452b	ppb	1.7074	0.3	850.231



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680-89959-b-8-a (Samp) 5/9/2013, 7:30:44 AM Rack 3, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-3.3588u	-2.5774u	-2.4237u
Al 308.215	197935	197747	198498
As 188.980	12.6868	22.5928	27.0290
B 249.678	-24.7690u	-24.7177u	-24.2328u
Ba 389.178	596.261	597.129	599.730
Be 313.042	7.2226	7.2334	7.2581
Ca 370.602	3029u	3015u	3009u
Cd 226.502	-0.2701	-0.2363	-0.1005
Co 228.615	29.3655	28.9666	29.2557
Cr 267.716	65.0983	64.5561	65.1938
Cu 324.754	216.036	214.990	215.974
Fe 271.441	150904	150694	151522
K 766.491	25088.5	25017.4	25153.9
Mg 279.078	20068.3	20032.8	20115.8
Mn 257.610	1420.96	1416.01	1425.94
Mo 202.032	1.3442	2.0847	2.1997
Na 330.237	1373.08u	1567.58u	1350.16u
Ni 231.604	23.6470	23.9595	25.4441
Pb 220.353	263.524	264.095	265.316
Sb 206.834	4.5644	3.2378	1.3811
Se 196.026	-3.2225u	-5.4928u	3.1885
Sn 189.925	13.3909	17.9012	15.7940
Sr 216.596	11.0758	11.7479	12.3900
Ti 334.941	6173.93	6157.17	6182.47
Tl 190.794	6.7841u	2.0309u	2.7467u
V 292.401	300.690	299.820	301.554
Zn 206.200	208.290	210.518	214.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7866	ppb	0.5015	18.0	-243.020
Al 308.215	198060	ppb	391.009	0.2	793281
As 188.980	20.7695	ppb	7.3429	35.4	3.3845
B 249.678	-24.5732	ppb	0.2959	1.2	-154.968
Ba 389.178	597.706	ppb	1.8052	0.3	13615.1
Be 313.042	7.2380	ppb	0.0182	0.3	12903.2
Ca 370.602	3018	ppb	9.866	0.3	-1501
Cd 226.502	-0.2023	ppb	0.0898	44.4	536.233
Co 228.615	29.1959	ppb	0.2060	0.7	565.637
Cr 267.716	64.9494	ppb	0.3440	0.5	3379.11
Cu 324.754	215.667	ppb	0.5872	0.3	10082.6
Fe 271.441	151040	ppb	430.634	0.3	272595
K 766.491	25086.6	ppb	68.2497	0.3	948942
Mg 279.078	20072.3	ppb	41.6460	0.2	45124.8
Mn 257.610	1420.97	ppb	4.9671	0.3	85754.8
Mo 202.032	1.8762	ppb	0.4643	24.7	25.3093
Na 330.237	1430.27	ppb	119.461	8.4	5.3848
Ni 231.604	24.3502	ppb	0.9601	3.9	70.2180
Pb 220.353	264.312	ppb	0.9154	0.3	559.707
Sb 206.834	3.0611	ppb	1.5990	52.2	10.8930
Se 196.026	-1.8423	ppb	4.5022	244.4	12.0123
Sn 189.925	15.6954	ppb	2.2568	14.4	4.6673
Sr 216.596	11.7379	ppb	0.6571	5.6	232.792
Ti 334.941	6171.19	ppb	12.8738	0.2	1836653
Tl 190.794	3.8539	ppb	2.5627	66.5	-19.8166
V 292.401	300.688	ppb	0.8670	0.3	8581.81
Zn 206.200	211.267	ppb	3.4137	1.6	349.160

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**680-89959-b-9-a (Samp)**      **5/9/2013, 7:36:11 AM**      **Rack 3, Tube 58****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.7488u	-1.3238u	-2.3290u
Al 308.215	260727	261254	261547
As 188.980	21.3915	18.4472	35.1963
B 249.678	-28.9416u	-30.0267u	-27.9859u
Ba 389.178	555.765	554.085	554.108
Be 313.042	7.1384	7.1500	7.1686
Ca 370.602	2023u	1960u	1969u
Cd 226.502	-0.3287	-0.3716	-0.2435
Co 228.615	20.7971	22.3412	21.6332
Cr 267.716	259.387	259.081	259.759
Cu 324.754	132.733	135.303	135.734
Fe 271.441	298474	298822	299127
K 766.491	15562.0	15590.6	15627.8
Mg 279.078	14633.0	14663.7	14683.4
Mn 257.610	1451.66	1447.77	1452.30
Mo 202.032	5.1073	3.9280	5.3959
Na 330.237	2608.47u	2307.54u	2615.18u
Ni 231.604	50.7426	49.5502	50.0412
Pb 220.353	175.171	173.731	180.552
Sb 206.834	2.8851	4.7920	9.8158
Se 196.026	-6.2313u	5.3645	-5.8963u
Sn 189.925	24.0309	25.6830	22.0298
Sr 216.596	31.5025	31.9903	32.2331
Ti 334.941	9204.67	9215.03	9206.29
Tl 190.794	-0.7240u	-0.9793u	5.0482u
V 292.401	714.481	714.450	717.271
Zn 206.200	206.845	202.535	206.036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8005	ppb	0.5046	28.0	-165.482
Al 308.215	261176	ppb	415.614	0.2	1046063
As 188.980	25.0117	ppb	8.9422	35.8	4.1824
B 249.678	-28.9847	ppb	1.0211	3.5	-406.530
Ba 389.178	554.653	ppb	0.9633	0.2	12843.2
Be 313.042	7.1523	ppb	0.0153	0.2	12734.3
Ca 370.602	1984	ppb	33.97	1.7	-15867
Cd 226.502	-0.3146	ppb	0.0652	20.7	1028.79
Co 228.615	21.5905	ppb	0.7729	3.6	550.797
Cr 267.716	259.409	ppb	0.3393	0.1	13350.7
Cu 324.754	134.590	ppb	1.6228	1.2	6442.57
Fe 271.441	298807	ppb	326.738	0.1	539169
K 766.491	15593.5	ppb	32.9810	0.2	589961
Mg 279.078	14660.1	ppb	25.3864	0.2	32960.2
Mn 257.610	1450.58	ppb	2.4540	0.2	87626.4
Mo 202.032	4.8104	ppb	0.7777	16.2	39.2521
Na 330.237	2510.40	ppb	175.712	7.0	-37.4527
Ni 231.604	50.1113	ppb	0.5993	1.2	150.333
Pb 220.353	176.484	ppb	3.5950	2.0	383.698
Sb 206.834	5.8310	ppb	3.5802	61.4	20.4297
Se 196.026	-2.2544	ppb	6.6002	292.8	12.7401
Sn 189.925	23.9146	ppb	1.8294	7.6	12.6332
Sr 216.596	31.9086	ppb	0.3721	1.2	551.337
Ti 334.941	9208.66	ppb	5.5775	0.1	2740606
Tl 190.794	1.1150	ppb	3.4087	305.7	-30.6182
V 292.401	715.401	ppb	1.6197	0.2	20337.2
Zn 206.200	205.138	ppb	2.2998	1.1	355.088

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680-89959-b-10-a (Samp) 5/9/2013, 7:41:38 AM Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.6131u	-2.6851u	-1.6140u
Al 308.215	252504	253455	253942
As 188.980	18.7684	5.8162	10.8840
B 249.678	-30.7418u	-29.8759u	-31.0075u
Ba 389.178	1114.30	1115.23	1114.20
Be 313.042	9.0669	9.0641	9.0527
Ca 370.602	-314.5u	-356.9u	-370.2u
Cd 226.502	-0.0510	-0.2986	-0.3328
Co 228.615	78.3475	79.0479	78.2917
Cr 267.716	405.750	405.279	405.494
Cu 324.754	243.476	245.497	245.245
Fe 271.441	250778	250584	250618
K 766.491	91997.2x	91921.9x	92338.5x
Mg 279.078	92514.4	92652.5	92583.6
Mn 257.610	4231.82	4197.70	4178.49
Mo 202.032	1.5183u	1.5773u	0.7089u
Na 330.237	2537.56u	2665.15u	2638.28u
Ni 231.604	108.679	106.589	109.076
Pb 220.353	222.184	224.892	225.141
Sb 206.834	3.9764	6.8729	-0.2097
Se 196.026	-17.9798u	-0.9208	-6.7387u
Sn 189.925	28.3102	28.9460	23.1469
Sr 216.596	22.0073	22.2109	22.8308
Ti 334.941	11620.1	11614.9	11566.0
Tl 190.794	13.6971u	18.9001	8.4623u
V 292.401	434.988	434.750	434.619
Zn 206.200	444.188	443.126	444.396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9707b	ppb	0.6187	31.4	-168.303
Al 308.215	253300b	ppb	731.289	0.3	1014522
As 188.980	11.8228b	ppb	6.5269	55.2	-1.5405
B 249.678	-30.5418b	ppb	0.5917	1.9	-363.640
Ba 389.178	1114.57b	ppb	0.5674	0.1	25493.2
Be 313.042	9.0612b	ppb	0.0075	0.1	16238.0
Ca 370.602	-347.2b	ppb	29.11	8.4	-18742
Cd 226.502	-0.2275b	ppb	0.1538	67.6	871.573
Co 228.615	78.5624b	ppb	0.4214	0.5	1367.36
Cr 267.716	405.508b	ppb	0.2358	0.1	20820.2
Cu 324.754	244.739b	ppb	1.1014	0.5	11426.5
Fe 271.441	250660b	ppb	103.966	0.0	452320
K 766.491	92085.8xb	ppb	222.013	0.2	3482501
Mg 279.078	92583.5b	ppb	69.0587	0.1	208168
Mn 257.610	4202.67b	ppb	27.0077	0.6	253300
Mo 202.032	1.2682b	ppb	0.4852	38.3	14.9372
Na 330.237	2613.67b	ppb	67.2624	2.6	-28.2146
Ni 231.604	108.115b	ppb	1.3362	1.2	321.657
Pb 220.353	224.073b	ppb	1.6401	0.7	477.686
Sb 206.834	3.5465b	ppb	3.5608	100.4	18.1889
Se 196.026	-8.5464b	ppb	8.6720	101.5	9.7976
Sn 189.925	26.8010b	ppb	3.1805	11.9	15.4326
Sr 216.596	22.3497b	ppb	0.4289	1.9	409.109
Ti 334.941	11600.3b	ppb	29.8933	0.3	3452746
Tl 190.794	13.6865b	ppb	5.2189	38.1	-18.9900
V 292.401	434.786b	ppb	0.1875	0.0	12438.8
Zn 206.200	443.904b	ppb	0.6815	0.2	725.178

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89959-b-11-a (Samp) 5/9/2013, 7:47:05 AM Rack 3, Tube 60****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.3096u	-3.0756u	-2.6529u
Al 308.215	182772	183659	183478
As 188.980	7.3345	6.7578	7.0833
B 249.678	-16.6009u	-17.1674u	-16.7121u
Ba 389.178	1191.33	1191.43	1187.64
Be 313.042	9.2950	9.2998	9.2760
Ca 370.602	12572	12541	12553
Cd 226.502	0.0658	0.1513	-0.1109
Co 228.615	41.2862	42.1423	41.1139
Cr 267.716	88.1965	88.0648	87.9234
Cu 324.754	78.9737	79.0596	79.4600
Fe 271.441	121995	121978	121675
K 766.491	41961.6x	42107.2x	42023.5x
Mg 279.078	33895.6	33919.3	33832.6
Mn 257.610	2591.93	2565.30	2551.81
Mo 202.032	0.7049u	1.4692	1.0407
Na 330.237	1905.99u	1888.66u	1752.67u
Ni 231.604	37.3218	37.9413	35.4231
Pb 220.353	212.439	213.928	207.768
Sb 206.834	3.3596	1.3353	1.2887
Se 196.026	-4.3042u	0.6521	-4.5081u
Sn 189.925	20.9324	20.8316	19.8702
Sr 216.596	50.5239	50.8964	50.8423
Ti 334.941	11030.2	11014.1	10972.0
Tl 190.794	9.8106u	9.3311u	12.6431
V 292.401	243.594	243.169	242.719
Zn 206.200	366.097	368.690	366.568

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0127b	ppb	0.3328	11.0	-257.527
Al 308.215	183303b	ppb	468.717	0.3	734179
As 188.980	7.0585b	ppb	0.2891	4.1	-2.6331
B 249.678	-16.8268b	ppb	0.3001	1.8	-15.6001
Ba 389.178	1190.13b	ppb	2.1595	0.2	26855.9
Be 313.042	9.2902b	ppb	0.0126	0.1	16670.3
Ca 370.602	12556b	ppb	15.63	0.1	31125
Cd 226.502	0.0354b	ppb	0.1337	377.4	448.180
Co 228.615	41.5142b	ppb	0.5508	1.3	870.179
Cr 267.716	88.0616b	ppb	0.1366	0.2	4567.61
Cu 324.754	79.1644b	ppb	0.2595	0.3	3885.87
Fe 271.441	121882b	ppb	180.230	0.1	219999
K 766.491	42030.8xb	ppb	73.0858	0.2	1589682
Mg 279.078	33882.5b	ppb	44.8032	0.1	76165.9
Mn 257.610	2569.68b	ppb	20.4162	0.8	154849
Mo 202.032	1.0716b	ppb	0.3831	35.7	20.7443
Na 330.237	1849.11b	ppb	83.9645	4.5	2.8098
Ni 231.604	36.8954b	ppb	1.3121	3.6	106.827
Pb 220.353	211.379b	ppb	3.2143	1.5	450.800
Sb 206.834	1.9945b	ppb	1.1824	59.3	9.1461
Se 196.026	-2.7201b	ppb	2.9221	107.4	11.6573
Sn 189.925	20.5447b	ppb	0.5863	2.9	9.3756
Sr 216.596	50.7542b	ppb	0.2012	0.4	702.508
Ti 334.941	11005.4b	ppb	30.0619	0.3	3275390
Tl 190.794	10.5949b	ppb	1.7899	16.9	-12.8460
V 292.401	243.161b	ppb	0.4374	0.2	7034.04
Zn 206.200	367.119b	ppb	1.3811	0.4	591.215

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Verif (CCV) 5/9/2013, 7:52:33 AM Rack 4, Tube 1  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	494.174	489.923	498.051
Al 308.215	4881.75	4933.96	4929.40
As 188.980	510.073	506.727	494.548
B 249.678	489.071	493.068	495.674
Ba 389.178	5099.44	5110.85	5124.73
Be 313.042	517.545	515.738	517.612
Ca 370.602	4982	4981	5006
Cd 226.502	511.242	512.848	513.194
Co 228.615	519.077	519.809	520.326
Cr 267.716	5152.36	5166.21	5174.50
Cu 324.754	5196.67	5213.25	5253.30
Fe 271.441	4942.00	4945.76	4962.40
K 766.491	10239.7	10279.6	10290.0
Mg 279.078	4937.76	4957.93	4958.37
Mn 257.610	5316.24	5286.81	5283.75
Mo 202.032	494.298	496.293	499.897
Na 330.237	7135.36	7137.06	7114.88
Ni 231.604	2566.95	2580.19	2580.03
Pb 220.353	491.818	491.644	494.506
Sb 206.834	978.852	978.801	985.300
Se 196.026	4872.37	4905.35	4896.77
Sn 189.925	4966.89	5010.28	4993.60
Sr 216.596	2496.91	2517.82	2526.28
Ti 334.941	503.251	502.261	502.405
Tl 190.794	5015.46	5026.96	5029.53
V 292.401	4997.30	4991.52	5000.00
Zn 206.200	2547.55	2557.09	2567.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.049	ppb	4.0657	0.8	37885.4	98.80986
Al 308.215	4915.04	ppb	28.9193	0.6	19705.4	98.30071
As 188.980	503.783	ppb	8.1703	1.6	226.979	100.75655
B 249.678	492.604	ppb	3.3259	0.7	6797.08	19.70418Q
Ba 389.178	5111.67	ppb	12.6644	0.2	114313	102.23339
Be 313.042	516.965	ppb	1.0634	0.2	947663	103.39297
Ca 370.602	4990	ppb	14.01	0.3	15288	99.79258
Cd 226.502	512.428	ppb	1.0416	0.2	20222.8	102.48562
Co 228.615	519.737	ppb	0.6272	0.1	6801.61	103.94749
Cr 267.716	5164.35	ppb	11.1876	0.2	263731	103.28707
Cu 324.754	5221.08	ppb	29.1157	0.6	236970	104.42152
Fe 271.441	4950.05	ppb	10.8575	0.2	9176.24	99.00101
K 766.491	10269.8	ppb	26.5453	0.3	388646	102.69760
Mg 279.078	4951.36	ppb	11.7763	0.2	11082.5	99.02712
Mn 257.610	5295.60	ppb	17.9381	0.3	318605	105.91196
Mo 202.032	496.829	ppb	2.8377	0.6	3862.67	99.36579
Na 330.237	7129.10	ppb	12.3460	0.2	398.491	95.05464
Ni 231.604	2575.72	ppb	7.5977	0.3	7652.74	103.02880
Pb 220.353	492.656	ppb	1.6041	0.3	1015.25	98.53125
Sb 206.834	980.984	ppb	3.7375	0.4	1223.98	98.09845
Se 196.026	4891.50	ppb	17.1080	0.3	2623.14	97.82998
Sn 189.925	4990.26	ppb	21.8869	0.4	4829.04	99.80511
Sr 216.596	2513.67	ppb	15.1204	0.6	31034.0	100.54674
Ti 334.941	502.639	ppb	0.5347	0.1	149578	100.52782
Tl 190.794	5023.98	ppb	7.4941	0.1	5296.72	100.47966
V 292.401	4996.27	ppb	4.3367	0.1	140755	99.92547
Zn 206.200	2557.42	ppb	10.0330	0.4	4010.16	102.29670

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Cont Calib Blank (CCB) 5/9/2013, 7:58:00 AM Rack 4, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0762	-0.5355u	0.3183
Al 308.215	1.1773	-0.2179u	-2.3079u
As 188.980	-8.3089u	3.3747	3.3637
B 249.678	-9.8625u	-11.4057u	-10.8743u
Ba 389.178	0.1839	0.8756	0.5471
Be 313.042	-0.0060u	0.0076	0.0013
Ca 370.602	-4.239u	-1.613u	-3.181u
Cd 226.502	-0.1134u	-0.1718u	0.0095
Co 228.615	-0.1594u	0.1968	0.4126
Cr 267.716	-0.1141u	0.0873	0.0492
Cu 324.754	0.3333	0.6490	-0.8203u
Fe 271.441	-4.7703u	-5.0691u	-0.8533u
K 766.491	0.6089	-0.1320u	0.4557
Mg 279.078	-0.2240u	-2.0781u	-3.2828u
Mn 257.610	-0.2776u	-0.2740u	-0.0881u
Mo 202.032	0.2547	0.2596	0.4581
Na 330.237	-11.3837u	79.3641	72.1234
Ni 231.604	0.1853	0.9054	1.1009
Pb 220.353	-1.1380u	-2.1271u	0.3235
Sb 206.834	4.1444	3.3469	1.1295
Se 196.026	1.8940	-4.2830u	8.3331
Sn 189.925	-1.4167u	-1.9719u	-3.2223u
Sr 216.596	0.3676	0.3076	0.3800
Ti 334.941	0.4839	0.3543	0.4333
Tl 190.794	-1.0525u	1.2671	0.5452
V 292.401	0.1188	0.4773	0.0464
Zn 206.200	-0.1418u	0.2260	0.6544

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0470	ppb	0.4400	936.8	-40.5670	-0.04697
Al 308.215	-0.4495	ppb	1.7541	390.2	33.9764	-0.44948
As 188.980	-0.5235	ppb	6.7424	1287.9	-5.2776	-0.52353
B 249.678	-10.7142	ppb	0.7839	7.3	224.120	-10.71418
Ba 389.178	0.5355	ppb	0.3460	64.6	3.8790	0.53555
Be 313.042	0.0010	ppb	0.0068	702.3	-375.134	0.00097
Ca 370.602	-3.011	ppb	1.321	43.9	5.641	-3.01109
Cd 226.502	-0.0919	ppb	0.0926	100.7	32.7181	-0.09189
Co 228.615	0.1500	ppb	0.2889	192.6	10.4618	0.14998
Cr 267.716	0.0075	ppb	0.1070	1435.3	6.1835	0.00745
Cu 324.754	0.0540	ppb	0.7734	1431.5	268.149	0.05403
Fe 271.441	-3.5642	ppb	2.3525	66.0	105.274	-3.56422
K 766.491	0.3108	ppb	0.3911	125.8	309.255	0.31084
Mg 279.078	-1.8616	ppb	1.5408	82.8	32.1334	-1.86164
Mn 257.610	-0.2133	ppb	0.1084	50.8	130.431	-0.21326
Mo 202.032	0.3241	ppb	0.1160	35.8	22.0282	0.32413
Na 330.237	46.7012	ppb	50.4332	108.0	60.1926	46.70119
Ni 231.604	0.7305	ppb	0.4822	66.0	-3.6605	0.73054
Pb 220.353	-0.9805	ppb	1.2329	125.7	29.2727	-0.98052
Sb 206.834	2.8736	ppb	1.5622	54.4	5.7515	2.87361
Se 196.026	1.9814	ppb	6.3085	318.4	12.7157	1.98136
Sn 189.925	-2.2036	ppb	0.9248	42.0	-12.6879	-2.20363
Sr 216.596	0.3517	ppb	0.0387	11.0	20.8525	0.35171
Ti 334.941	0.4238	ppb	0.0653	15.4	94.0090	0.42381
Tl 190.794	0.2533	ppb	1.1870	468.7	-13.3705	0.25328
V 292.401	0.2142	ppb	0.2307	107.7	-4.1542	0.21419
Zn 206.200	0.2462	ppb	0.3985	561.8	0.7073	0.24621

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**680-89959-b-12-a (Samp)**                      **5/9/2013, 8:03:28 AM**                      **Rack 4, Tube 3**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1154u	-1.2736u	-0.6552u
Al 308.215	160427	160011	161543
As 188.980	5.0076	7.7726	13.8954
B 249.678	-16.6497u	-17.5055u	-17.1579u
Ba 389.178	572.123	568.465	571.652
Be 313.042	4.4548	4.4395	4.4522
Ca 370.602	2872	2863	2834
Cd 226.502	0.3474	0.0458	0.0416
Co 228.615	16.4130	16.2946	16.8016
Cr 267.716	63.3079	63.1817	63.2892
Cu 324.754	58.2194	55.9118	58.1511
Fe 271.441	94164.9	93833.5	94412.9
K 766.491	17965.6	17954.1	17913.9
Mg 279.078	11652.3	11573.3	11637.5
Mn 257.610	978.642	971.786	966.711
Mo 202.032	1.3716	2.1592	1.1935
Na 330.237	1379.27u	1123.63u	1231.96u
Ni 231.604	25.0203	24.3467	26.1385
Pb 220.353	360.437	361.221	362.765
Sb 206.834	2.2600	5.1650	4.5049
Se 196.026	-7.3133u	-9.2827u	-6.8025u
Sn 189.925	16.7748	19.6554	15.0798
Sr 216.596	8.6926	8.8669	9.4463
Ti 334.941	7061.93	7012.23	7024.57
Tl 190.794	2.2619u	3.2729u	7.4682
V 292.401	184.818	183.596	184.028
Zn 206.200	277.149	276.650	278.981

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0147	ppb	0.3213	31.7	-109.359
Al 308.215	160661	ppb	792.066	0.5	643495
As 188.980	8.8919	ppb	4.5484	51.2	-1.6492
B 249.678	-17.1044	ppb	0.4304	2.5	17.0422
Ba 389.178	570.747	ppb	1.9898	0.3	12912.6
Be 313.042	4.4488	ppb	0.0082	0.2	7789.34
Ca 370.602	2856	ppb	20.06	0.7	2644
Cd 226.502	0.1449	ppb	0.1754	121.0	359.058
Co 228.615	16.5031	ppb	0.2652	1.6	427.731
Cr 267.716	63.2596	ppb	0.0681	0.1	3279.00
Cu 324.754	57.4274	ppb	1.3130	2.3	2893.36
Fe 271.441	94137.1	ppb	290.705	0.3	169941
K 766.491	17944.5	ppb	27.1518	0.2	678866
Mg 279.078	11621.0	ppb	42.0144	0.4	26124.9
Mn 257.610	972.380	ppb	5.9876	0.6	58715.6
Mo 202.032	1.5747	ppb	0.5139	32.6	26.2651
Na 330.237	1244.95	ppb	128.316	10.3	17.3190
Ni 231.604	25.1685	ppb	0.9050	3.6	71.2954
Pb 220.353	361.474	ppb	1.1846	0.3	752.270
Sb 206.834	3.9766	ppb	1.5228	38.3	10.3942
Se 196.026	-7.7995	ppb	1.3096	16.8	8.3535
Sn 189.925	17.1700	ppb	2.3132	13.5	6.0991
Sr 216.596	9.0019	ppb	0.3946	4.4	172.156
Ti 334.941	7032.91	ppb	25.8770	0.4	2093053
Tl 190.794	4.3343	ppb	2.7607	63.7	-15.5818
V 292.401	184.147	ppb	0.6196	0.3	5303.00
Zn 206.200	277.593	ppb	1.2277	0.4	447.353

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**680-89959-b-13-a (Samp)**      **5/9/2013, 8:08:56 AM**      **Rack 4, Tube 4**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.8883u	-1.6499u	-1.6459u
Al 308.215	631364	631539	632058
As 188.980	20.0324	47.9799	31.0379
B 249.678	-21.8797u	-21.9114u	-22.4259u
Ba 389.178	1010.16	1007.34	1004.14
Be 313.042	7.5857	7.5632	7.5386
Ca 370.602	346.0u	375.2u	336.5u
Cd 226.502	0.9531	1.5170	1.1533
Co 228.615	42.6475	42.4606	41.8453
Cr 267.716	174.367	173.611	174.178
Cu 324.754	103.621	102.581	102.821
Fe 271.441	267730	267108	267003
K 766.491	31951.4	31874.2	31650.8
Mg 279.078	22310.1	22337.3	22289.9
Mn 257.610	1598.48	1604.84	1594.05
Mo 202.032	5.9661	6.3019	5.6110
Na 330.237	2657.57u	2778.36u	2550.91u
Ni 231.604	75.5238	75.1224	77.0765
Pb 220.353	252.936	249.719	254.751
Sb 206.834	1.2971	1.8988	15.9691
Se 196.026	-4.9238u	-10.2012u	0.9654
Sn 189.925	17.7050	25.0123	27.2647
Sr 216.596	44.1929	43.9136	44.2223
Ti 334.941	12866.2	12856.5	12811.0
Tl 190.794	-3.3135u	0.8291u	1.3046u
V 292.401	604.926	604.798	601.843
Zn 206.200	390.896	396.498	392.840

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7280	ppb	0.1388	8.0	-158.537
Al 308.215	631654	ppb	361.201	0.1	2529864
As 188.980	33.0168	ppb	14.0784	42.6	8.0985
B 249.678	-22.0723	ppb	0.3066	1.4	-274.680
Ba 389.178	1007.21	ppb	3.0144	0.3	22937.3
Be 313.042	7.5625	ppb	0.0235	0.3	13523.2
Ca 370.602	352.6	ppb	20.17	5.7	-17734
Cd 226.502	1.2078	ppb	0.2859	23.7	982.551
Co 228.615	42.3178	ppb	0.4197	1.0	929.413
Cr 267.716	174.052	ppb	0.3932	0.2	8996.37
Cu 324.754	103.008	ppb	0.5442	0.5	5003.03
Fe 271.441	267281	ppb	392.805	0.1	482299
K 766.491	31825.5	ppb	156.093	0.5	1203771
Mg 279.078	22312.4	ppb	23.7893	0.1	50047.6
Mn 257.610	1599.12	ppb	5.4229	0.3	96557.2
Mo 202.032	5.9597	ppb	0.3455	5.8	50.0917
Na 330.237	2662.28	ppb	113.798	4.3	-43.3654
Ni 231.604	75.9076	ppb	1.0320	1.4	226.440
Pb 220.353	252.468	ppb	2.5480	1.0	541.029
Sb 206.834	6.3883	ppb	8.3026	130.0	19.2268
Se 196.026	-4.7198	ppb	5.5861	118.4	11.2641
Sn 189.925	23.3274	ppb	4.9976	21.4	12.0634
Sr 216.596	44.1096	ppb	0.1704	0.4	686.510
Ti 334.941	12844.6	ppb	29.4495	0.2	3822716
Tl 190.794	-0.3933	ppb	2.5401	645.9	-30.7652
V 292.401	603.855	ppb	1.7443	0.3	17247.1
Zn 206.200	393.412	ppb	2.8445	0.7	648.226



mb 680-275650/1-a (Samp) 5/9/2013, 8:14:24 AM Rack 4, Tube 5  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2487u	-0.2499u	-0.0819u
Al 308.215	7.9340	8.4605	11.0387
As 188.980	-6.4071u	4.7835	-2.2915u
B 249.678	-18.7266u	-18.8299u	-18.7093u
Ba 389.178	1.0523	0.3561	-0.2358u
Be 313.042	-0.0021u	0.0010	-0.0036u
Ca 370.602	26.36	24.13	26.79
Cd 226.502	-0.0061u	-0.0899u	-0.1204u
Co 228.615	-0.1150u	-0.2760u	0.2355
Cr 267.716	1.8294	1.7591	1.7365
Cu 324.754	0.0783	-0.3911u	-0.3100u
Fe 271.441	19.1368	22.8933	26.5202
K 766.491	10.0752	10.1960	10.2808
Mg 279.078	23.3147	24.2842	21.9901
Mn 257.610	0.4180	0.0781	0.2337
Mo 202.032	-0.7254u	-0.4759u	-0.2631u
Na 330.237	-23.4730u	-79.9901u	43.5863
Ni 231.604	1.1744	0.9729	-0.0270u
Pb 220.353	0.8509	-0.0544u	-0.8857u
Sb 206.834	-3.2007u	4.2005	-2.2005u
Se 196.026	3.9977	8.0675	3.9169
Sn 189.925	8.2102	13.6583	10.4829
Sr 216.596	0.1300	0.0811	-0.0751u
Ti 334.941	2.3768	2.0956	1.9277
Tl 190.794	-1.4845u	-3.6088u	-0.6315u
V 292.401	-0.1794u	0.0318	0.0104
Zn 206.200	3.1772	2.1917	2.8565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1935	ppb	0.0966	49.9	-51.8299
Al 308.215	9.1444	ppb	1.6615	18.2	72.3298
As 188.980	-1.3050	ppb	5.6601	433.7	-5.6375
B 249.678	-18.7553	ppb	0.0652	0.3	118.969
Ba 389.178	0.3909	ppb	0.6447	165.0	0.7399
Be 313.042	-0.0015	ppb	0.0024	153.3	-379.583
Ca 370.602	25.76	ppb	1.431	5.6	92.56
Cd 226.502	-0.0721	ppb	0.0592	82.1	33.5876
Co 228.615	-0.0518	ppb	0.2615	504.5	7.9047
Cr 267.716	1.7750	ppb	0.0484	2.7	96.4688
Cu 324.754	-0.2076	ppb	0.2509	120.9	256.276
Fe 271.441	22.8501	ppb	3.6919	16.2	152.894
K 766.491	10.1840	ppb	0.1033	1.0	682.607
Mg 279.078	23.1963	ppb	1.1516	5.0	88.4889
Mn 257.610	0.2433	ppb	0.1702	69.9	157.972
Mo 202.032	-0.4882	ppb	0.2314	47.4	15.7269
Na 330.237	-19.9589	ppb	61.8631	310.0	56.7235
Ni 231.604	0.7068	ppb	0.6434	91.0	-3.7305
Pb 220.353	-0.0297	ppb	0.8686	2921.3	31.1721
Sb 206.834	-0.4002	ppb	4.0157	1003.3	1.9057
Se 196.026	5.3274	ppb	2.3734	44.6	14.5014
Sn 189.925	10.7838	ppb	2.7365	25.4	-0.0926
Sr 216.596	0.0454	ppb	0.1071	236.2	17.1132
Ti 334.941	2.1334	ppb	0.2269	10.6	602.908
Tl 190.794	-1.9083	ppb	1.5332	80.3	-15.6595
V 292.401	-0.0457	ppb	0.1162	254.3	-11.4201
Zn 206.200	2.7418	ppb	0.5927	18.3	4.6328

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ics 680-275650/2-a (Samp)      5/9/2013, 8:19:52 AM      Rack 4, Tube 6  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.4918	50.2596	49.4212
Al 308.215	4942.66	4949.11	4942.37
As 188.980	97.3902	111.467	100.805
B 249.678	169.265	171.593	171.804
Ba 389.178	103.173	103.359	102.532
Be 313.042	52.6468	52.7815	52.6484
Ca 370.602	4894	4919	4909
Cd 226.502	51.8661	51.8578	52.1083
Co 228.615	51.6159	51.8782	51.8648
Cr 267.716	105.182	105.642	105.550
Cu 324.754	105.850	106.721	105.909
Fe 271.441	4904.41	4935.65	4920.39
K 766.491	5016.59	5026.91	5019.09
Mg 279.078	4882.69	4902.89	4906.59
Mn 257.610	526.920	533.601	533.235
Mo 202.032	99.5375	100.526	99.5282
Na 330.237	4846.32	4922.22	5014.75
Ni 231.604	103.057	102.061	102.484
Pb 220.353	50.2363	50.9640	49.8024
Sb 206.834	48.9926	50.0874	54.4363
Se 196.026	94.6816	101.902	98.4411
Sn 189.925	205.601	206.403	209.855
Sr 216.596	100.799	101.138	100.149
Ti 334.941	100.978	101.428	101.105
Tl 190.794	40.7764	38.9574	37.9447
V 292.401	101.642	101.501	101.672
Zn 206.200	121.824	121.271	120.246

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0575	ppb	0.5632	1.1	3809.99
Al 308.215	4944.71	ppb	3.8072	0.1	19847.9
As 188.980	103.221	ppb	7.3430	7.1	42.5025
B 249.678	170.887	ppb	1.4089	0.8	2591.63
Ba 389.178	103.021	ppb	0.4340	0.4	2315.23
Be 313.042	52.6922	ppb	0.0773	0.1	96261.2
Ca 370.602	4907	ppb	12.46	0.3	14797
Cd 226.502	51.9441	ppb	0.1423	0.3	2097.49
Co 228.615	51.7863	ppb	0.1477	0.3	683.506
Cr 267.716	105.458	ppb	0.2435	0.2	5394.26
Cu 324.754	106.160	ppb	0.4868	0.5	5082.17
Fe 271.441	4920.15	ppb	15.6237	0.3	8997.15
K 766.491	5020.86	ppb	5.3803	0.1	190160
Mg 279.078	4897.39	ppb	12.8624	0.3	11041.5
Mn 257.610	531.252	ppb	3.7560	0.7	32106.5
Mo 202.032	99.8640	ppb	0.5735	0.6	793.611
Na 330.237	4927.76	ppb	84.3537	1.7	306.711
Ni 231.604	102.534	ppb	0.4998	0.5	299.152
Pb 220.353	50.3342	ppb	0.5870	1.2	131.752
Sb 206.834	51.1721	ppb	2.8794	5.6	63.3126
Se 196.026	98.3416	ppb	3.6112	3.7	64.3064
Sn 189.925	207.286	ppb	2.2600	1.1	190.481
Sr 216.596	100.696	ppb	0.5025	0.5	1258.50
Ti 334.941	101.170	ppb	0.2319	0.2	30100.5
Tl 190.794	39.2262	ppb	1.4349	3.7	26.8056
V 292.401	101.605	ppb	0.0917	0.1	2835.60
Zn 206.200	121.113	ppb	0.8997	0.7	191.159

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**680-89890-a-21-b (Samp)**                      **5/9/2013, 8:25:20 AM**                      **Rack 4, Tube 7**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3033u	-1.0240u	-0.5809u
Al 308.215	90456.6	89998.1	89887.7
As 188.980	196.558	192.243	204.488
B 249.678	-33.0823u	-32.7269u	-32.4207u
Ba 389.178	175.687	175.826	175.629
Be 313.042	3.6125	3.6157	3.6121
Ca 370.602	6262u	6310u	6308u
Cd 226.502	-1.0371	-0.6682	-0.5909
Co 228.615	40.4285	40.2083	40.7138
Cr 267.716	425.947	426.477	426.161
Cu 324.754	14.5639	14.6106	13.1366
Fe 271.441	320413	320694	319364
K 766.491	1684.21	1683.86	1681.77
Mg 279.078	2700.13	2696.06	2702.91
Mn 257.610	1025.47	1030.90	1028.85
Mo 202.032	10.8860	11.1674	10.7973
Na 330.237	2020.89u	1731.96u	1644.53u
Ni 231.604	32.3354	32.7303	33.4121
Pb 220.353	80.8946	85.3064	83.1890
Sb 206.834	2.9180	1.6982	3.0322
Se 196.026	2.5910	-2.7942	5.9242
Sn 189.925	11.7932	17.3366	14.3810
Sr 216.596	40.4585	41.4284	41.3821
Ti 334.941	627.628	628.224	627.122
Tl 190.794	-8.1734u	-1.6255u	-3.3953u
V 292.401	536.018	535.603	535.942
Zn 206.200	138.838	136.562	138.464

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6360	ppb	0.3635	57.2	-80.2452
Al 308.215	90114.1	ppb	301.711	0.3	360946
As 188.980	197.763	ppb	6.2108	3.1	83.6461
B 249.678	-32.7433	ppb	0.3311	1.0	-483.493
Ba 389.178	175.714	ppb	0.1011	0.1	4369.27
Be 313.042	3.6134	ppb	0.0020	0.1	6234.70
Ca 370.602	6293	ppb	27.10	0.4	-5811
Cd 226.502	-0.7654	ppb	0.2384	31.2	1082.16
Co 228.615	40.4502	ppb	0.2535	0.6	543.654
Cr 267.716	426.195	ppb	0.2665	0.1	21854.8
Cu 324.754	14.1037	ppb	0.8378	5.9	987.005
Fe 271.441	320157	ppb	701.191	0.2	577682
K 766.491	1683.28	ppb	1.3202	0.1	63950.2
Mg 279.078	2699.70	ppb	3.4470	0.1	6124.73
Mn 257.610	1028.41	ppb	2.7409	0.3	62222.2
Mo 202.032	10.9502	ppb	0.1932	1.8	86.1053
Na 330.237	1799.13	ppb	196.967	10.9	-17.5047
Ni 231.604	32.8259	ppb	0.5447	1.7	99.3677
Pb 220.353	83.1300	ppb	2.2065	2.7	199.017
Sb 206.834	2.5495	ppb	0.7394	29.0	18.9169
Se 196.026	1.9070	ppb	4.3992	230.7	14.9867
Sn 189.925	14.5036	ppb	2.7737	19.1	3.5083
Sr 216.596	41.0897	ppb	0.5471	1.3	675.506
Ti 334.941	627.658	ppb	0.5520	0.1	186817
Tl 190.794	-4.3980	ppb	3.3872	77.0	-37.0793
V 292.401	535.854	ppb	0.2211	0.0	15112.8
Zn 206.200	137.955	ppb	1.2204	0.9	251.150

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**680-89890-a-21-bSD^5 (Samp) 5/9/2013, 8:30:59 AM Rack 4, Tube 8**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0228u	-0.1144u	0.1018
Al 308.215	18726.6	18682.0	18749.0
As 188.980	44.1067	36.5714	41.0148
B 249.678	-21.6124u	-21.6876u	-21.8677u
Ba 389.178	36.8126	36.7430	36.4940
Be 313.042	0.7425	0.7396	0.7500
Ca 370.602	1426u	1443u	1438u
Cd 226.502	-0.4911	-0.4633	-0.3129
Co 228.615	8.2062	8.6325	8.2835
Cr 267.716	88.8944	89.4859	89.4799
Cu 324.754	2.0709	2.8083	3.2574
Fe 271.441	68104.9	68181.0	68469.8
K 766.491	331.201	332.065	332.714
Mg 279.078	576.865	582.943	580.774
Mn 257.610	215.387	217.506	218.321
Mo 202.032	1.2304	1.7016	1.5388
Na 330.237	318.213u	361.664u	406.622u
Ni 231.604	6.5194	6.8358	7.3648
Pb 220.353	15.1485	18.7885	20.2125
Sb 206.834	0.6319	0.7420	-1.3419
Se 196.026	-7.9832u	-9.3787u	-3.8283u
Sn 189.925	4.0441	3.2590	2.8567
Sr 216.596	8.5236	9.3301	8.8566
Ti 334.941	131.492	131.407	131.866
Tl 190.794	1.3932u	0.2307u	-0.3175u
V 292.401	111.865	112.110	112.648
Zn 206.200	29.0812	29.7729	28.8184

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0118	ppb	0.1085	921.9	-36.6915
Al 308.215	18719.2	ppb	34.1098	0.2	75006.7
As 188.980	40.5643	ppb	3.7878	9.3	13.1356
B 249.678	-21.7225	ppb	0.1312	0.6	-9.2771
Ba 389.178	36.6832	ppb	0.1675	0.5	907.773
Be 313.042	0.7440	ppb	0.0054	0.7	984.560
Ca 370.602	1436	ppb	8.465	0.6	-939.0
Cd 226.502	-0.4224	ppb	0.0959	22.7	249.164
Co 228.615	8.3741	ppb	0.2271	2.7	119.285
Cr 267.716	89.2867	ppb	0.3398	0.4	4583.44
Cu 324.754	2.7122	ppb	0.5991	22.1	406.124
Fe 271.441	68251.9	ppb	192.486	0.3	123240
K 766.491	331.994	ppb	0.7591	0.2	12851.8
Mg 279.078	580.194	ppb	3.0803	0.5	1344.94
Mn 257.610	217.071	ppb	1.5148	0.7	13247.1
Mo 202.032	1.4903	ppb	0.2393	16.1	27.1660
Na 330.237	362.167	ppb	44.2066	12.2	40.6535
Ni 231.604	6.9067	ppb	0.4272	6.2	16.3233
Pb 220.353	18.0499	ppb	2.6116	14.5	67.6480
Sb 206.834	0.0107	ppb	1.1726	10972.5	5.2399
Se 196.026	-7.0634	ppb	2.8872	40.9	8.3817
Sn 189.925	3.3866	ppb	0.6039	17.8	-7.2678
Sr 216.596	8.9034	ppb	0.4053	4.6	158.846
Ti 334.941	131.589	ppb	0.2443	0.2	39141.1
Tl 190.794	0.4355	ppb	0.8735	200.6	-17.1815
V 292.401	112.208	ppb	0.4006	0.4	3156.70
Zn 206.200	29.2242	ppb	0.4931	1.7	53.5082

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**680-89890-a-21-bPDS (Samp) 5/9/2013, 8:36:39 AM Rack 4, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.2540	50.0865	49.9323
Al 308.215	90906.0	90725.2	91467.1
As 188.980	2371.23	2382.47	2375.54
B 249.678	977.823	988.703	992.101
Ba 389.178	2273.99	2279.98	2272.10
Be 313.042	56.3904	56.3932	56.3125
Ca 370.602	11198	11249	11236
Cd 226.502	51.0173	51.5599	51.4787
Co 228.615	552.158	558.177	563.155
Cr 267.716	623.504	626.413	624.788
Cu 324.754	286.650	288.764	290.213
Fe 271.441	315906	315625	316081
K 766.491	7439.26	7457.77	7389.72
Mg 279.078	7644.06	7649.67	7652.41
Mn 257.610	1540.46	1561.85	1544.92
Mo 202.032	535.658	535.425	534.019
Na 330.237	6948.54	6908.01	7085.31
Ni 231.604	544.584	549.676	547.400
Pb 220.353	578.712	580.647	576.551
Sb 206.834	506.259	499.854	502.448
Se 196.026	2024.12	2027.43	2026.38
Sn 189.925	1043.34	1048.60	1038.88
Sr 216.596	562.313	561.692	561.664
Ti 334.941	1651.85	1654.99	1647.59
Tl 190.794	2028.86	2045.39	2047.68
V 292.401	1038.29	1041.76	1037.45
Zn 206.200	645.906	646.342	642.354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0910	ppb	0.1609	0.3	3801.16
Al 308.215	91032.8	ppb	386.879	0.4	364668
As 188.980	2376.41	ppb	5.6694	0.2	1087.41
B 249.678	986.209	ppb	7.4585	0.8	12842.2
Ba 389.178	2275.36	ppb	4.1118	0.2	51324.2
Be 313.042	56.3653	ppb	0.0458	0.1	102901
Ca 370.602	11228	ppb	26.60	0.2	9958
Cd 226.502	51.3520	ppb	0.2927	0.6	3119.04
Co 228.615	557.830	ppb	5.5069	1.0	7305.58
Cr 267.716	624.902	ppb	1.4579	0.2	32001.1
Cu 324.754	288.543	ppb	1.7918	0.6	13438.3
Fe 271.441	315871	ppb	230.080	0.1	570039
K 766.491	7428.92	ppb	35.1862	0.5	281220
Mg 279.078	7648.71	ppb	4.2547	0.1	17245.7
Mn 257.610	1549.08	ppb	11.2833	0.7	93542.6
Mo 202.032	535.034	ppb	0.8869	0.2	4150.23
Na 330.237	6980.62	ppb	92.8978	1.3	239.053
Ni 231.604	547.220	ppb	2.5509	0.5	1628.73
Pb 220.353	578.637	ppb	2.0494	0.4	1187.04
Sb 206.834	502.854	ppb	3.2218	0.6	606.606
Se 196.026	2025.98	ppb	1.6936	0.1	1095.12
Sn 189.925	1043.60	ppb	4.8646	0.5	1001.54
Sr 216.596	561.890	ppb	0.3669	0.1	7082.46
Ti 334.941	1651.48	ppb	3.7149	0.2	491531
Tl 190.794	2040.64	ppb	10.2660	0.5	2126.59
V 292.401	1039.17	ppb	2.2838	0.2	29232.4
Zn 206.200	644.868	ppb	2.1877	0.3	1047.92

680-89890-a-21-c ms (Samp) 5/9/2013, 8:42:08 AM Rack 4, Tube 10  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.7057	50.7024	50.2637
Al 308.215	96709.5	96170.3	96397.9
As 188.980	311.423	312.630	314.213
B 249.678	106.875	107.386	104.584
Ba 389.178	268.283	267.639	267.706
Be 313.042	57.5199	57.3453	57.3091
Ca 370.602	10950	10972	10976
Cd 226.502	50.2093	50.7455	50.6764
Co 228.615	89.7461	89.4368	90.0862
Cr 267.716	656.903	656.992	655.328
Cu 324.754	125.781	126.465	125.709
Fe 271.441	343518	343410	342928
K 766.491	7360.47	7332.13	7279.89
Mg 279.078	7831.48	7832.02	7834.75
Mn 257.610	1601.61	1609.21	1596.76
Mo 202.032	106.176	105.780	107.573
Na 330.237	6996.76	6848.52	6697.49
Ni 231.604	151.110	149.448	149.943
Pb 220.353	129.094	132.584	130.800
Sb 206.834	37.8655	36.6271	33.7486
Se 196.026	87.2068	84.1513	88.7767
Sn 189.925	204.952	206.043	207.073
Sr 216.596	146.041	145.414	146.310
Ti 334.941	641.525	640.022	638.107
Tl 190.794	41.0914	39.6722	35.2515
V 292.401	565.876	565.668	564.555
Zn 206.200	279.692	282.278	280.029

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5573	ppb	0.2543	0.5	3853.59
Al 308.215	96425.9	ppb	270.726	0.3	386234
As 188.980	312.756	ppb	1.3991	0.4	136.466
B 249.678	106.282	ppb	1.4923	1.4	1303.62
Ba 389.178	267.876	ppb	0.3538	0.1	6475.23
Be 313.042	57.3914	ppb	0.1127	0.2	104867
Ca 370.602	10966	ppb	13.78	0.1	6792
Cd 226.502	50.5438	ppb	0.2917	0.6	3179.39
Co 228.615	89.7564	ppb	0.3248	0.4	1183.60
Cr 267.716	656.408	ppb	0.9362	0.1	33620.2
Cu 324.754	125.985	ppb	0.4170	0.3	6068.36
Fe 271.441	343285	ppb	313.929	0.1	619414
K 766.491	7324.16	ppb	40.8801	0.6	277259
Mg 279.078	7832.75	ppb	1.7484	0.0	17662.3
Mn 257.610	1602.52	ppb	6.2747	0.4	96776.6
Mo 202.032	106.510	ppb	0.9419	0.9	825.981
Na 330.237	6847.59	ppb	149.635	2.2	228.947
Ni 231.604	150.167	ppb	0.8536	0.6	448.809
Pb 220.353	130.826	ppb	1.7452	1.3	294.375
Sb 206.834	36.0804	ppb	2.1122	5.9	60.9835
Se 196.026	86.7116	ppb	2.3521	2.7	60.5396
Sn 189.925	206.023	ppb	1.0605	0.5	189.249
Sr 216.596	145.922	ppb	0.4599	0.3	1977.07
Ti 334.941	639.885	ppb	1.7135	0.3	190483
Tl 190.794	38.6717	ppb	3.0458	7.9	6.3282
V 292.401	565.366	ppb	0.7104	0.1	15912.9
Zn 206.200	280.666	ppb	1.4060	0.5	477.585

680-89890-a-21-d msd (Samp) 5/9/2013, 8:47:36 AM Rack 4, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.6102	50.9385	50.3577
Al 308.215	113103	112663	112659
As 188.980	319.597	325.504	319.564
B 249.678	84.7114	84.9250	86.5703
Ba 389.178	314.869	316.098	314.804
Be 313.042	56.6471	56.6162	56.5798
Ca 370.602	12972	13014	12991
Cd 226.502	49.9315	49.8804	50.1757
Co 228.615	94.0143	94.7424	93.9513
Cr 267.716	558.203	558.119	559.202
Cu 324.754	128.634	127.343	127.647
Fe 271.441	352103	353783	353108
K 766.491	7795.51	7786.94	7780.88
Mg 279.078	8700.51	8693.74	8686.64
Mn 257.610	1810.96	1819.05	1826.00
Mo 202.032	105.468	104.680	105.776
Na 330.237	6897.07	6777.90	7041.65
Ni 231.604	140.019	136.534	141.110
Pb 220.353	178.010	175.089	177.512
Sb 206.834	38.5411	40.2918	33.2815
Se 196.026	92.6666	86.0918	82.6395
Sn 189.925	205.748	209.789	207.948
Sr 216.596	149.691	150.246	150.480
Ti 334.941	672.622	672.748	672.456
Tl 190.794	34.8469	38.8225	32.6816
V 292.401	557.870	558.197	557.964
Zn 206.200	271.481	271.117	273.030

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6355	ppb	0.2912	0.6	3860.40
Al 308.215	112808	ppb	255.092	0.2	451847
As 188.980	321.555	ppb	3.4200	1.1	140.460
B 249.678	85.4022	ppb	1.0172	1.2	1017.95
Ba 389.178	315.257	ppb	0.7293	0.2	7550.12
Be 313.042	56.6144	ppb	0.0337	0.1	103444
Ca 370.602	12992	ppb	21.20	0.2	12285
Cd 226.502	49.9959	ppb	0.1578	0.3	3190.46
Co 228.615	94.2360	ppb	0.4397	0.5	1242.34
Cr 267.716	558.508	ppb	0.6028	0.1	28624.0
Cu 324.754	127.875	ppb	0.6750	0.5	6156.71
Fe 271.441	352998	ppb	845.515	0.2	636937
K 766.491	7787.77	ppb	7.3545	0.1	294790
Mg 279.078	8693.63	ppb	6.9352	0.1	19591.6
Mn 257.610	1818.67	ppb	7.5287	0.4	109784
Mo 202.032	105.308	ppb	0.5657	0.5	816.154
Na 330.237	6905.54	ppb	132.081	1.9	226.829
Ni 231.604	139.221	ppb	2.3904	1.7	416.499
Pb 220.353	176.870	ppb	1.5629	0.9	386.716
Sb 206.834	37.3715	ppb	3.6486	9.8	61.6495
Se 196.026	87.1326	ppb	5.0939	5.8	60.8841
Sn 189.925	207.828	ppb	2.0231	1.0	191.000
Sr 216.596	150.139	ppb	0.4052	0.3	2034.30
Ti 334.941	672.609	ppb	0.1464	0.0	200228
Tl 190.794	35.4503	ppb	3.1146	8.8	2.0504
V 292.401	558.010	ppb	0.1687	0.0	15711.9
Zn 206.200	271.876	ppb	1.0162	0.4	465.114

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680-89890-a-22-b (Samp) 5/9/2013, 8:53:04 AM Rack 4, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9213u	-1.2520u	-1.1041u
Al 308.215	119087	118792	118936
As 188.980	384.502	388.248	393.014
B 249.678	2.5847u	4.8442u	4.0257u
Ba 389.178	730.338	732.586	732.952
Be 313.042	10.3466	10.3421	10.3538
Ca 370.602	333368	332745	336330
Cd 226.502	2.1801	2.4817	2.6931
Co 228.615	136.540	134.809	133.776
Cr 267.716	456.797	457.519	459.030
Cu 324.754	90.4838	91.6275	90.1563
Fe 271.441	418930	420034	420049
K 766.491	9501.98	9530.04	9564.63
Mg 279.078	38201.5	38139.6	38262.2
Mn 257.610	6845.71	6905.15	6967.11
Mo 202.032	19.4226	19.7202	19.2769
Na 330.237	2514.16u	2644.67u	2697.56u
Ni 231.604	81.5372	79.6856	83.8729
Pb 220.353	238.411	243.794	240.664
Sb 206.834	-1.1935	6.5032	-1.7778
Se 196.026	5.0108	-16.8140u	-2.3112
Sn 189.925	14.9860	22.6982	15.7067
Sr 216.596	460.280	461.905	463.403
Ti 334.941	701.589	702.773	704.132
Tl 190.794	4.8762u	5.2507u	4.7635u
V 292.401	507.282	508.264	510.338
Zn 206.200	410.674	403.019	404.453

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4258	ppb	0.4355	30.5	-135.034
Al 308.215	118938	ppb	147.829	0.1	476391
As 188.980	388.588	ppb	4.2663	1.1	173.357
B 249.678	3.8182	ppb	1.1439	30.0	-136.427
Ba 389.178	731.959	ppb	1.4156	0.2	17033.6
Be 313.042	10.3475	ppb	0.0059	0.1	18695.9
Ca 370.602	334148	ppb	1915	0.6	997863
Cd 226.502	2.4516	ppb	0.2578	10.5	1544.85
Co 228.615	135.042	ppb	1.3968	1.0	1776.25
Cr 267.716	457.782	ppb	1.1394	0.2	23520.7
Cu 324.754	90.7559	ppb	0.7724	0.9	4490.02
Fe 271.441	419671	ppb	641.815	0.2	757219
K 766.491	9532.22	ppb	31.3838	0.3	360756
Mg 279.078	38201.1	ppb	61.3174	0.2	85883.8
Mn 257.610	6905.99	ppb	60.7029	0.9	415834
Mo 202.032	19.4732	ppb	0.2259	1.2	146.883
Na 330.237	2618.80	ppb	94.3985	3.6	-28.4635
Ni 231.604	81.6985	ppb	2.0983	2.6	247.052
Pb 220.353	240.956	ppb	2.7033	1.1	516.244
Sb 206.834	1.1773	ppb	4.6216	392.6	20.3062
Se 196.026	-4.7048	ppb	11.1075	236.1	13.6408
Sn 189.925	17.7970	ppb	4.2599	23.9	6.8614
Sr 216.596	461.862	ppb	1.5618	0.3	5963.63
Ti 334.941	702.831	ppb	1.2722	0.2	209374
Tl 190.794	4.9635	ppb	0.2551	5.1	-41.5903
V 292.401	508.628	ppb	1.5603	0.3	14341.2
Zn 206.200	406.049	ppb	4.0694	1.0	683.939



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Cont Calib Verif (CCV) 5/9/2013, 8:58:32 AM Rack 4, Tube 13  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	508.231	502.131	508.273
Al 308.215	5010.95	4970.86	4979.65
As 188.980	512.064	490.987	521.707
B 249.678	496.553	497.256	500.923
Ba 389.178	5187.99	5156.83	5161.12
Be 313.042	523.634	519.630	521.430
Ca 370.602	5084	5038	5035
Cd 226.502	517.636	514.501	514.113
Co 228.615	523.955	521.446	521.327
Cr 267.716	5210.17	5182.33	5183.90
Cu 324.754	5223.68	5297.20	5356.36
Fe 271.441	5022.82	4995.33	4993.61
K 766.491	10366.2	10310.6	10393.4
Mg 279.078	5000.53	4978.27	4973.19
Mn 257.610	5298.72	5272.61	5275.80
Mo 202.032	501.685	500.986	501.749
Na 330.237	7442.01	7231.71	7192.70
Ni 231.604	2603.95	2586.86	2591.37
Pb 220.353	494.438	492.060	493.632
Sb 206.834	999.923	983.768	993.420
Se 196.026	4950.23	4912.42	4925.59
Sn 189.925	5057.20	4985.86	5020.14
Sr 216.596	2523.44	2505.85	2526.14
Ti 334.941	507.094	504.740	503.968
Tl 190.794	5074.90	5053.38	5058.15
V 292.401	5047.59	5028.16	5034.47
Zn 206.200	2575.76	2566.24	2556.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	506.211	ppb	3.5337	0.7	38820.6	101.24229
Al 308.215	4987.15	ppb	21.0726	0.4	19994.1	99.74306
As 188.980	508.253	ppb	15.7104	3.1	229.038	101.65056
B 249.678	498.244	ppb	2.3466	0.5	6870.74	19.92976Q
Ba 389.178	5168.65	ppb	16.8926	0.3	115587	103.37293
Be 313.042	521.565	ppb	2.0052	0.4	956099	104.31297
Ca 370.602	5052	ppb	27.50	0.5	15480	101.04749
Cd 226.502	515.417	ppb	1.9321	0.4	20340.6	103.08334
Co 228.615	522.243	ppb	1.4841	0.3	6834.33	104.44851
Cr 267.716	5192.13	ppb	15.6428	0.3	265150	103.84266
Cu 324.754	5292.42	ppb	66.4699	1.3	240205	105.84832
Fe 271.441	5003.92	ppb	16.3904	0.3	9274.19	100.07845
K 766.491	10356.7	ppb	42.2183	0.4	391935	103.56743
Mg 279.078	4984.00	ppb	14.5429	0.3	11155.2	99.67996
Mn 257.610	5282.38	ppb	14.2446	0.3	317810	105.64755
Mo 202.032	501.474	ppb	0.4232	0.1	3898.61	100.29472
Na 330.237	7288.81	ppb	134.107	1.8	406.607	97.18409
Ni 231.604	2594.06	ppb	8.8555	0.3	7707.27	103.76235
Pb 220.353	493.377	ppb	1.2096	0.2	1016.69	98.67531
Sb 206.834	992.370	ppb	8.1286	0.8	1237.78	99.23701
Se 196.026	4929.41	ppb	19.1917	0.4	2643.38	98.58828
Sn 189.925	5021.07	ppb	35.6797	0.7	4858.92	100.42133
Sr 216.596	2518.48	ppb	11.0215	0.4	31093.1	100.73911
Ti 334.941	505.267	ppb	1.6286	0.3	150361	101.05348
Tl 190.794	5062.14	ppb	11.2971	0.2	5337.05	101.24288
V 292.401	5036.74	ppb	9.9112	0.2	141896	100.73479
Zn 206.200	2566.09	ppb	9.7596	0.4	4023.72	102.64341

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Cont Calib Blank (CCB) 5/9/2013, 9:04:11 AM Rack 4, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3086u	0.2101	-0.1209u
Al 308.215	0.1604	2.3345	2.2000
As 188.980	-0.8971u	-2.9663u	-1.1869u
B 249.678	-8.2060u	-8.8498u	-10.0042u
Ba 389.178	0.7971	0.1830	0.5877
Be 313.042	0.0015	0.0010	-0.0031u
Ca 370.602	-5.143u	-6.006u	-0.9445u
Cd 226.502	-0.1508u	-0.0989u	-0.2907u
Co 228.615	0.2480	0.4643	0.7810
Cr 267.716	-0.0623u	0.0508	0.2254
Cu 324.754	-0.6544u	-0.4459u	-0.4993u
Fe 271.441	-1.9715u	-1.8514u	2.6997
K 766.491	-0.2234u	0.2758	-0.2226u
Mg 279.078	-0.4841u	-4.1411u	1.3225
Mn 257.610	-0.2651u	-0.1000u	-0.1252u
Mo 202.032	1.0237	0.5535	-0.2572u
Na 330.237	72.9777	-15.7091u	108.834
Ni 231.604	0.7527	2.1653	1.4626
Pb 220.353	-2.8231u	-0.0296u	1.5857
Sb 206.834	6.2012	6.7445	6.7684
Se 196.026	1.3195	1.8496	0.0750
Sn 189.925	-1.1407u	1.4636	2.1530
Sr 216.596	-0.4497u	0.2451	0.2344
Ti 334.941	0.1210	0.0850	0.0313
Tl 190.794	2.1557	-4.6701u	-0.2333u
V 292.401	-0.1341u	0.1043	0.3406
Zn 206.200	5.6149	4.0016	4.3840

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0731	ppb	0.2627	359.2	-42.5756	-0.07312
Al 308.215	1.5650	ppb	1.2182	77.8	42.0565	1.56497
As 188.980	-1.6835	ppb	1.1204	66.6	-5.8121	-1.68346
B 249.678	-9.0200	ppb	0.9111	10.1	246.263	-9.01999
Ba 389.178	0.5226	ppb	0.3122	59.7	3.5961	0.52262
Be 313.042	-0.0002	ppb	0.0025	1404.9	-377.256	-0.00018
Ca 370.602	-4.031	ppb	2.708	67.2	2.177	-4.03117
Cd 226.502	-0.1801	ppb	0.0992	55.1	29.2557	-0.18013
Co 228.615	0.4978	ppb	0.2681	53.9	14.9838	0.49779
Cr 267.716	0.0713	ppb	0.1449	203.2	9.4470	0.07132
Cu 324.754	-0.5332	ppb	0.1083	20.3	241.527	-0.53320
Fe 271.441	-0.3744	ppb	2.6629	711.2	111.085	-0.37442
K 766.491	-0.0567	ppb	0.2880	507.6	295.355	-0.05673
Mg 279.078	-1.1009	ppb	2.7835	252.8	33.8449	-1.10094
Mn 257.610	-0.1634	ppb	0.0889	54.4	133.431	-0.16344
Mo 202.032	0.4400	ppb	0.6479	147.3	22.9269	0.43999
Na 330.237	55.3674	ppb	64.1117	115.8	60.6054	55.36736
Ni 231.604	1.4602	ppb	0.7063	48.4	-1.4909	1.46019
Pb 220.353	-0.4224	ppb	2.2305	528.1	30.3873	-0.42238
Sb 206.834	6.5714	ppb	0.3208	4.9	10.1363	6.57136
Se 196.026	1.0814	ppb	0.9110	84.2	12.2355	1.08137
Sn 189.925	0.8253	ppb	1.7371	210.5	-9.7504	0.82527
Sr 216.596	0.0099	ppb	0.3981	4000.9	16.6109	0.00995
Ti 334.941	0.0791	ppb	0.0451	57.1	-8.5757	0.07910
Tl 190.794	-0.9159	ppb	3.4637	378.2	-14.6076	-0.91590
V 292.401	0.1036	ppb	0.2374	229.1	-7.3120	0.10360
Zn 206.200	4.6668	ppb	0.8430	18.1	7.6654	4.66684

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680-89890-a-23-d (Samp) 5/9/2013, 9:09:40 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8502u	-1.1040u	-1.5305u
Al 308.215	137875	137641	137360
As 188.980	329.351	322.162	330.347
B 249.678	-10.8706u	-11.0479u	-10.0740u
Ba 389.178	471.992	473.809	474.319
Be 313.042	8.0194	8.0171	8.0170
Ca 370.602	46666	46628	46629
Cd 226.502	0.3349	0.1792	0.7164
Co 228.615	72.4522	72.7470	72.5584
Cr 267.716	1343.10	1340.49	1345.23
Cu 324.754	93.5894	92.7723	93.6386
Fe 271.441	517745	518847	518046
K 766.491	7390.81	7410.12	7399.37
Mg 279.078	7285.45	7290.91	7299.49
Mn 257.610	3536.83	3532.15	3573.62
Mo 202.032	19.7363	20.1768	19.0277
Na 330.237	3034.68u	2820.95u	3233.98u
Ni 231.604	117.657	117.691	117.120
Pb 220.353	201.816	201.359	196.870
Sb 206.834	9.2499	11.3753	0.8467
Se 196.026	-1.5577	-5.8590	-13.8747u
Sn 189.925	27.1384	17.5439	16.5627
Sr 216.596	177.941	176.005	177.940
Ti 334.941	768.181	767.853	768.902
Tl 190.794	4.2367u	4.5882u	4.1988u
V 292.401	893.825	891.540	892.585
Zn 206.200	522.526	517.616	519.288

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1616	ppb	0.3437	29.6	-113.494
Al 308.215	137625	ppb	258.010	0.2	551229
As 188.980	327.286	ppb	4.4659	1.4	142.103
B 249.678	-10.6642	ppb	0.5187	4.9	-453.577
Ba 389.178	473.373	ppb	1.2232	0.3	11308.5
Be 313.042	8.0178	ppb	0.0013	0.0	14312.9
Ca 370.602	46641	ppb	21.35	0.0	103107
Cd 226.502	0.4102	ppb	0.2764	67.4	1791.82
Co 228.615	72.5859	ppb	0.1493	0.2	962.576
Cr 267.716	1342.94	ppb	2.3774	0.2	68733.6
Cu 324.754	93.3334	ppb	0.4866	0.5	4629.74
Fe 271.441	518213	ppb	569.474	0.1	934982
K 766.491	7400.10	ppb	9.6715	0.1	280131
Mg 279.078	7291.95	ppb	7.0769	0.1	16434.0
Mn 257.610	3547.53	ppb	22.7109	0.6	213861
Mo 202.032	19.6469	ppb	0.5798	3.0	142.200
Na 330.237	3029.87	ppb	206.556	6.8	-57.9821
Ni 231.604	117.489	ppb	0.3202	0.3	355.781
Pb 220.353	200.015	ppb	2.7334	1.4	433.999
Sb 206.834	7.1573	ppb	5.5675	77.8	40.3389
Se 196.026	-7.0971	ppb	6.2512	88.1	12.1076
Sn 189.925	20.4150	ppb	5.8433	28.6	9.2549
Sr 216.596	177.295	ppb	1.1172	0.6	2455.83
Ti 334.941	768.312	ppb	0.5366	0.1	228725
Tl 190.794	4.3412	ppb	0.2147	4.9	-42.3108
V 292.401	892.650	ppb	1.1439	0.1	25137.5
Zn 206.200	519.810	ppb	2.4964	0.5	870.923

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-1-a (Samp) 5/9/2013, 9:15:08 AM Rack 4, Tube 16

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3848u	0.1463u	-0.2430u
Al 308.215	37459.0	37392.9	37412.2
As 188.980	55.7860	35.3076	46.5929
B 249.678	29.8015	29.0186	30.3365
Ba 389.178	511.725	515.681	513.870
Be 313.042	5.4749	5.4750	5.4745
Ca 370.602	1326806x	1319954x	1324124x
Cd 226.502	0.7224	0.7473	0.4984
Co 228.615	15.6167	15.6914	15.3303
Cr 267.716	56.9686	57.2185	57.5128
Cu 324.754	51.5524	49.9282	48.2353
Fe 271.441	61812.8	61600.6	61785.5
K 766.491	9472.37	9433.88	9458.27
Mg 279.078	718158	715952	717542
Mn 257.610	2916.64	2903.61	2915.22
Mo 202.032	7.0337	6.7822	6.6479
Na 330.237	1749.17	1486.80	1626.68
Ni 231.604	74.7618	74.7279	73.3780
Pb 220.353	71.1245	74.4473	71.7407
Sb 206.834	5.0721	2.3959	11.3646
Se 196.026	0.9304	-3.7682u	0.0519
Sn 189.925	12.9720	15.2973	12.4285
Sr 216.596	795.138	797.227	794.594
Ti 334.941	570.770	570.662	571.683
Tl 190.794	1.4645u	-0.8908u	3.5178u
V 292.401	246.147	245.837	246.299
Zn 206.200	126.767	127.175	129.380

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1605b	ppb	0.2750	171.3	-85.6342
Al 308.215	37421.4b	ppb	33.9725	0.1	149910
As 188.980	45.8955b	ppb	10.2570	22.3	25.9394
B 249.678	29.7188b	ppb	0.6628	2.2	671.819
Ba 389.178	513.759b	ppb	1.9802	0.4	13388.0
Be 313.042	5.4748b	ppb	0.0003	0.0	10079.5
Ca 370.602	1323628xb	ppb	3453	0.3	4078662
Cd 226.502	0.6561b	ppb	0.1371	20.9	279.096
Co 228.615	15.5461b	ppb	0.1906	1.2	226.110
Cr 267.716	57.2333b	ppb	0.2724	0.5	2956.85
Cu 324.754	49.9053b	ppb	1.6587	3.3	2543.10
Fe 271.441	61732.9b	ppb	115.449	0.2	111482
K 766.491	9454.84b	ppb	19.4715	0.2	357830
Mg 279.078	717217b	ppb	1138.19	0.2	1613112
Mn 257.610	2911.82b	ppb	7.1494	0.2	177262
Mo 202.032	6.8213b	ppb	0.1959	2.9	68.5963
Na 330.237	1620.88b	ppb	131.282	8.1	104.383
Ni 231.604	74.2893b	ppb	0.7893	1.1	216.526
Pb 220.353	72.4375b	ppb	1.7676	2.4	177.059
Sb 206.834	6.2775b	ppb	4.6042	73.3	12.0861
Se 196.026	-0.9287b	ppb	2.4981	269.0	12.3318
Sn 189.925	13.5660b	ppb	1.5239	11.2	3.2555
Sr 216.596	795.653b	ppb	1.3898	0.2	10039.1
Ti 334.941	571.038b	ppb	0.5614	0.1	173387
Tl 190.794	1.3638b	ppb	2.2060	161.8	-19.9442
V 292.401	246.094b	ppb	0.2358	0.1	6957.27
Zn 206.200	127.774b	ppb	1.4955	1.1	208.000

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-2-a (Samp)                      5/9/2013, 9:20:35 AM                      Rack 4, Tube 17  
 Weight: 1                                      Volume: 1                                      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.0927u	-2.2881u	-2.8347u
Al 308.215	213420	214290	214220
As 188.980	99.2129	109.755	105.647
B 249.678	196.538	196.298	198.539
Ba 389.178	2162.72	2170.16	2165.31
Be 313.042	47.6461	47.7821	47.7939
Ca 370.602	1052667x	1055871x	1057475x
Cd 226.502	7.2851	7.0694	6.8688
Co 228.615	21.7015	22.5502	21.6640
Cr 267.716	331.155	332.591	331.741
Cu 324.754	310.259	311.027	311.631
Fe 271.441	327925	328762	328978
K 766.491	30946.9	30826.3	30840.9
Mg 279.078	325277	326066	323680
Mn 257.610	13550.7	13535.4	13543.9
Mo 202.032	12.5204	13.5817	12.4930
Na 330.237	10349.4	10333.1	10332.1
Ni 231.604	105.248	106.037	106.571
Pb 220.353	560.928	552.522	560.841
Sb 206.834	-0.7565	3.7050	-4.2665
Se 196.026	-11.8583u	-9.1851	-4.6909
Sn 189.925	50.0178	49.7949	49.2566
Sr 216.596	1280.16	1281.78	1282.12
Ti 334.941	2515.18	2529.44	2524.89
Tl 190.794	18.3869u	19.0998u	10.0654u
V 292.401	253.422	255.082	254.710
Zn 206.200	905.526	910.462	902.900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4052b	ppb	0.3846	16.0	-224.123
Al 308.215	213977b	ppb	483.030	0.2	857031
As 188.980	104.871b	ppb	5.3134	5.1	48.9217
B 249.678	197.125b	ppb	1.2304	0.6	2510.81
Ba 389.178	2166.06b	ppb	3.7737	0.2	49699.6
Be 313.042	47.7407b	ppb	0.0821	0.2	87536.3
Ca 370.602	1055338xb	ppb	2448	0.2	3230493
Cd 226.502	7.0744b	ppb	0.2082	2.9	1422.37
Co 228.615	21.9719b	ppb	0.5012	2.3	357.767
Cr 267.716	331.829b	ppb	0.7222	0.2	17102.9
Cu 324.754	310.972b	ppb	0.6875	0.2	14452.5
Fe 271.441	328555b	ppb	555.927	0.2	592828
K 766.491	30871.4b	ppb	65.8260	0.2	1167690
Mg 279.078	325008b	ppb	1215.36	0.4	730793
Mn 257.610	13543.3b	ppb	7.6559	0.1	815688
Mo 202.032	12.8650b	ppb	0.6208	4.8	101.084
Na 330.237	10338.2b	ppb	9.7056	0.1	396.460
Ni 231.604	105.952b	ppb	0.6654	0.6	317.038
Pb 220.353	558.097b	ppb	4.8284	0.9	1152.20
Sb 206.834	-0.4393b	ppb	3.9952	909.4	14.9019
Se 196.026	-8.5781b	ppb	3.6220	42.2	12.7726
Sn 189.925	49.6897b	ppb	0.3913	0.8	38.1493
Sr 216.596	1281.35b	ppb	1.0457	0.1	16138.6
Ti 334.941	2523.17b	ppb	7.2853	0.3	752490
Tl 190.794	15.8507b	ppb	5.0229	31.7	-35.6125
V 292.401	254.405b	ppb	0.8708	0.3	7199.15
Zn 206.200	906.296b	ppb	3.8393	0.4	1461.66

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-3-a (Samp) 5/9/2013, 9:26:15 AM Rack 4, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-4.4507u	-4.9560u	-4.3971u
Al 308.215	112240	112565	111500
As 188.980	182.284	179.714	178.278
B 249.678	-30.0663u	-30.2263u	-30.3184u
Ba 389.178	670.395	674.786	670.816
Be 313.042	31.9810	32.1669	31.9356
Ca 370.602	46931	47125	46742
Cd 226.502	35.0448	35.1991	34.8601
Co 228.615	133.649	134.784	133.417
Cr 267.716	513.800	516.510	512.867
Cu 324.754	120.176	120.182	119.833
Fe 271.441	253086	254123	252459
K 766.491	7880.88	7959.29	7936.35
Mg 279.078	13083.4	13145.4	13050.9
Mn 257.610	9624.72	9687.74	9714.36
Mo 202.032	5.2809	5.7665	5.6231
Na 330.237	813.838u	792.541u	803.520u
Ni 231.604	554.671	559.241	553.729
Pb 220.353	169.215	169.383	166.323
Sb 206.834	3.8802	3.9002	4.4585
Se 196.026	-14.1652u	-23.6817u	-20.2456u
Sn 189.925	15.8612	15.7066	15.1269
Sr 216.596	228.079	228.504	226.882
Ti 334.941	187.389	188.695	187.416
Tl 190.794	18.2937u	19.7372u	22.7596u
V 292.401	468.890	472.310	468.965
Zn 206.200	2331.76	2338.46	2318.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.6013	ppb	0.3084	6.7	-353.284
Al 308.215	112102	ppb	545.730	0.5	449009
As 188.980	180.092	ppb	2.0294	1.1	76.3424
B 249.678	-30.2037	ppb	0.1276	0.4	-362.275
Ba 389.178	671.999	ppb	2.4226	0.4	15399.1
Be 313.042	32.0278	ppb	0.1225	0.4	58373.7
Ca 370.602	46933	ppb	191.5	0.4	125041
Cd 226.502	35.0346	ppb	0.1697	0.5	2265.78
Co 228.615	133.950	ppb	0.7318	0.5	1753.99
Cr 267.716	514.392	ppb	1.8922	0.4	26381.9
Cu 324.754	120.064	ppb	0.1999	0.2	5773.83
Fe 271.441	253223	ppb	840.388	0.3	456948
K 766.491	7925.51	ppb	40.3154	0.5	299999
Mg 279.078	13093.2	ppb	48.0025	0.4	29333.0
Mn 257.610	9675.61	ppb	46.0321	0.5	582192
Mo 202.032	5.5568	ppb	0.2495	4.5	48.0261
Na 330.237	803.300	ppb	10.6502	1.3	-47.6275
Ni 231.604	555.880	ppb	2.9483	0.5	1653.00
Pb 220.353	168.307	ppb	1.7201	1.0	372.098
Sb 206.834	4.0796	ppb	0.3282	8.0	20.2963
Se 196.026	-19.3642	ppb	4.8191	24.9	5.5291
Sn 189.925	15.5649	ppb	0.3871	2.5	4.5594
Sr 216.596	227.822	ppb	0.8410	0.4	2947.89
Ti 334.941	187.833	ppb	0.7465	0.4	55967.2
Tl 190.794	20.2635	ppb	2.2790	11.2	-20.7830
V 292.401	470.055	ppb	1.9531	0.4	13241.6
Zn 206.200	2329.49	ppb	10.2995	0.4	3692.90

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680-89957-a-4-a (Samp) 5/9/2013, 9:31:43 AM Rack 4, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1448u	-1.7521u	-1.3723u
Al 308.215	146883	146280	146549
As 188.980	174.434	178.165	176.309
B 249.678	141.375	143.689	145.107
Ba 389.178	2365.80	2366.74	2367.10
Be 313.042	28.5178	28.5050	28.5478
Ca 370.602	602797	603900	600195
Cd 226.502	0.9495	1.2693	1.0388
Co 228.615	25.4890	24.9496	25.2007
Cr 267.716	179.306	179.582	179.734
Cu 324.754	52.2689	54.6332	53.3656
Fe 271.441	141945	141954	142242
K 766.491	36007.3	36289.9	36365.5
Mg 279.078	128070	127951	128025
Mn 257.610	8988.64	9054.42	9082.71
Mo 202.032	5.8301	6.1316	5.5790
Na 330.237	3896.99	4068.81	4303.21
Ni 231.604	40.6974	41.6250	41.3250
Pb 220.353	116.574	116.038	117.327
Sb 206.834	3.5566	-1.3417	5.0503
Se 196.026	11.8755	-2.8432	-10.5976u
Sn 189.925	18.1119	14.8630	16.0136
Sr 216.596	1003.93	1002.60	1004.01
Ti 334.941	2964.10	2966.93	2976.56
Tl 190.794	12.3759u	6.9206u	15.8684u
V 292.401	364.143	363.796	364.883
Zn 206.200	205.467	203.535	199.732

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4230	ppb	0.3068	21.6	-152.014
Al 308.215	146571	ppb	302.235	0.2	587061
As 188.980	176.303	ppb	1.8656	1.1	79.8026
B 249.678	143.390	ppb	1.8837	1.3	2052.46
Ba 389.178	2366.55	ppb	0.6717	0.0	53425.9
Be 313.042	28.5236	ppb	0.0220	0.1	52137.4
Ca 370.602	602297	ppb	1902	0.3	1847600
Cd 226.502	1.0859	ppb	0.1650	15.2	558.280
Co 228.615	25.2131	ppb	0.2699	1.1	420.083
Cr 267.716	179.541	ppb	0.2167	0.1	9256.37
Cu 324.754	53.4226	ppb	1.1832	2.2	2723.17
Fe 271.441	142047	ppb	168.613	0.1	256371
K 766.491	36220.9	ppb	188.832	0.5	1369983
Mg 279.078	128015	ppb	59.6635	0.0	287790
Mn 257.610	9041.92	ppb	48.2629	0.5	544325
Mo 202.032	5.8469	ppb	0.2767	4.7	56.4644
Na 330.237	4089.67	ppb	203.910	5.0	171.417
Ni 231.604	41.2158	ppb	0.4734	1.1	120.132
Pb 220.353	116.647	ppb	0.6472	0.6	267.709
Sb 206.834	2.4218	ppb	3.3437	138.1	11.3696
Se 196.026	-0.5218	ppb	11.4150	2187.7	14.6778
Sn 189.925	16.3295	ppb	1.6473	10.1	5.5802
Sr 216.596	1003.52	ppb	0.7948	0.1	12563.8
Ti 334.941	2969.19	ppb	6.5342	0.2	884250
Tl 190.794	11.7217	ppb	4.5096	38.5	-22.7114
V 292.401	364.274	ppb	0.5555	0.2	10320.1
Zn 206.200	202.911	ppb	2.9177	1.4	334.674

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680-89957-a-5-a (Samp) 5/9/2013, 9:37:23 AM Rack 4, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.8093u	-1.4315u	-2.3277u
Al 308.215	163348	162977	162732
As 188.980	251.493	235.287	230.218
B 249.678	65.5701	64.5905	63.8755
Ba 389.178	832.201	831.447	831.035
Be 313.042	18.5755	18.5496	18.5659
Ca 370.602	353690	349564	351175
Cd 226.502	1.4192	1.6986	1.6100
Co 228.615	55.0887	54.3658	54.0543
Cr 267.716	307.315	307.555	306.999
Cu 324.754	109.227	109.198	110.468
Fe 271.441	293971	293572	293436
K 766.491	18952.8	18950.2	18961.7
Mg 279.078	67422.0	67164.4	67139.5
Mn 257.610	5570.33	5560.91	5540.99
Mo 202.032	15.0686	15.7025	14.4205
Na 330.237	3352.95	3326.12	3465.82
Ni 231.604	96.2012	96.4631	92.4725
Pb 220.353	179.018	175.698	175.341
Sb 206.834	0.3956	4.2410	-0.5898
Se 196.026	-6.7878u	1.8393	-2.8458
Sn 189.925	15.1577	16.8416	17.5875
Sr 216.596	575.097	574.873	573.732
Ti 334.941	1396.17	1393.35	1396.29
Tl 190.794	5.0664u	4.5243u	0.7793u
V 292.401	489.615	489.971	490.061
Zn 206.200	475.301	471.481	471.129

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1895	ppb	0.6992	31.9	-204.843
Al 308.215	163019	ppb	309.999	0.2	652937
As 188.980	238.999	ppb	11.1126	4.6	105.545
B 249.678	64.6787	ppb	0.8507	1.3	825.042
Ba 389.178	831.561	ppb	0.5909	0.1	19160.1
Be 313.042	18.5637	ppb	0.0131	0.1	33779.3
Ca 370.602	351476	ppb	2080	0.6	1061445
Cd 226.502	1.5759	ppb	0.1428	9.1	1085.52
Co 228.615	54.5029	ppb	0.5307	1.0	750.136
Cr 267.716	307.290	ppb	0.2792	0.1	15799.0
Cu 324.754	109.631	ppb	0.7250	0.7	5311.75
Fe 271.441	293660	ppb	277.923	0.1	529883
K 766.491	18954.9	ppb	6.0714	0.0	717073
Mg 279.078	67242.0	ppb	156.408	0.2	151184
Mn 257.610	5557.41	ppb	14.9794	0.3	334728
Mo 202.032	15.0639	ppb	0.6410	4.3	119.541
Na 330.237	3381.63	ppb	74.1353	2.2	68.7808
Ni 231.604	95.0456	ppb	2.2322	2.3	283.767
Pb 220.353	176.685	ppb	2.0279	1.1	388.072
Sb 206.834	1.3489	ppb	2.5526	189.2	15.4605
Se 196.026	-2.5981	ppb	4.3189	166.2	13.6226
Sn 189.925	16.5289	ppb	1.2447	7.5	5.6441
Sr 216.596	574.568	ppb	0.7319	0.1	7299.52
Ti 334.941	1395.27	ppb	1.6664	0.1	415572
Tl 190.794	3.4567	ppb	2.3345	67.5	-34.3602
V 292.401	489.883	ppb	0.2357	0.0	13833.2
Zn 206.200	472.637	ppb	2.3141	0.5	575.372



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**680-89957-a-6-a (Samp)**                      **5/9/2013, 9:42:51 AM**                      **Rack 4, Tube 21**  
**Weight: 1**    **Volume: 1**    **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7897u	-0.6351u	-0.5948u
Al 308.215	56193.1	56171.4	56010.3
As 188.980	61.4061	54.6839	60.2851
B 249.678	-19.0108u	-19.2257u	-19.0226u
Ba 389.178	356.100	359.086	356.715
Be 313.042	3.2103	3.2288	3.2134
Ca 370.602	8747	8733	8722
Cd 226.502	-0.3477	-0.4158	-0.3829
Co 228.615	28.9199	28.6859	29.0560
Cr 267.716	196.736	197.130	196.216
Cu 324.754	4.7108	5.6071	4.8111
Fe 271.441	97008.3	97241.1	97113.5
K 766.491	1462.50	1468.07	1457.36
Mg 279.078	2108.10	2107.48	2101.88
Mn 257.610	955.351	957.428	955.437
Mo 202.032	2.6160	2.4960	2.3686
Na 330.237	673.068u	539.878u	735.547u
Ni 231.604	33.5707	34.8952	34.7689
Pb 220.353	47.0041	48.0170	45.7517
Sb 206.834	-0.6848	0.0713	3.9772
Se 196.026	0.9340	-0.2369	-7.4627u
Sn 189.925	12.8302	14.4939	14.9646
Sr 216.596	32.7483	32.4836	31.8688
Ti 334.941	279.809	279.528	279.321
Tl 190.794	0.2074u	5.3143u	-0.3301u
V 292.401	203.966	204.754	203.481
Zn 206.200	92.0308	87.7453	90.4069

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6732	ppb	0.1029	15.3	-84.4495
Al 308.215	56124.9	ppb	99.8563	0.2	224819
As 188.980	58.7917	ppb	3.6013	6.1	21.3684
B 249.678	-19.0863	ppb	0.1208	0.6	-12.4182
Ba 389.178	357.300	ppb	1.5765	0.4	8119.79
Be 313.042	3.2175	ppb	0.0099	0.3	5523.38
Ca 370.602	8734	ppb	12.94	0.1	19349
Cd 226.502	-0.3821	ppb	0.0340	8.9	347.184
Co 228.615	28.8873	ppb	0.1872	0.6	390.595
Cr 267.716	196.694	ppb	0.4581	0.2	10079.4
Cu 324.754	5.0430	ppb	0.4911	9.7	518.731
Fe 271.441	97121.0	ppb	116.593	0.1	175323
K 766.491	1462.64	ppb	5.3529	0.4	55607.1
Mg 279.078	2105.82	ppb	3.4238	0.2	4757.37
Mn 257.610	956.072	ppb	1.1747	0.1	57710.8
Mo 202.032	2.4935	ppb	0.1237	5.0	33.2153
Na 330.237	649.498	ppb	99.9414	15.4	39.3074
Ni 231.604	34.4116	ppb	0.7310	2.1	98.7973
Pb 220.353	46.9243	ppb	1.1348	2.4	126.201
Sb 206.834	1.1212	ppb	2.5020	223.1	8.6065
Se 196.026	-2.2552	ppb	4.5476	201.7	11.3310
Sn 189.925	14.0962	ppb	1.1214	8.0	3.1213
Sr 216.596	32.3669	ppb	0.4512	1.4	462.861
Ti 334.941	279.552	ppb	0.2450	0.1	83188.1
Tl 190.794	1.7305	ppb	3.1153	180.0	-18.4892
V 292.401	204.067	ppb	0.6426	0.3	5747.73
Zn 206.200	90.0610	ppb	2.1636	2.4	152.068

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7432u	-0.6429u	-0.1084u
Al 308.215	102703	102372	102037
As 188.980	201.096	212.228	212.580
B 249.678	40.4154	40.8575	40.6470
Ba 389.178	1309.41	1307.98	1308.36
Be 313.042	12.2808	12.2596	12.2368
Ca 370.602	245567	245204	243611
Cd 226.502	3.1199	3.0018	3.2505
Co 228.615	55.7412	54.9654	54.7459
Cr 267.716	282.911	283.043	282.599
Cu 324.754	408.211	411.779	408.661
Fe 271.441	208405	207932	207945
K 766.491	16842.5	16787.4	16808.0
Mg 279.078	52040.6	51957.3	51815.9
Mn 257.610	5900.39	5924.13	5945.05
Mo 202.032	16.4938	15.9868	15.6130
Na 330.237	2220.48u	1990.27u	2238.79u
Ni 231.604	114.258	116.570	114.439
Pb 220.353	834.608	828.966	827.118
Sb 206.834	5.6354	9.2729	3.0347
Se 196.026	-1.3482	-2.9902	8.6478
Sn 189.925	42.5942	42.2056	37.5853
Sr 216.596	575.150	572.522	572.908
Ti 334.941	2204.59	2200.04	2199.04
Tl 190.794	11.0954u	10.1061u	11.4616u
V 292.401	315.148	314.476	315.013
Zn 206.200	1005.17	997.713	998.955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4981	ppb	0.3412	68.5	-73.6515
Al 308.215	102371	ppb	332.935	0.3	410039
As 188.980	208.635	ppb	6.5311	3.1	91.3875
B 249.678	40.6400	ppb	0.2211	0.5	622.816
Ba 389.178	1308.58	ppb	0.7372	0.1	29668.7
Be 313.042	12.2591	ppb	0.0220	0.2	22180.7
Ca 370.602	244794	ppb	1040	0.4	739263
Cd 226.502	3.1240	ppb	0.1244	4.0	859.065
Co 228.615	55.1508	ppb	0.5229	0.9	785.499
Cr 267.716	282.851	ppb	0.2283	0.1	14533.7
Cu 324.754	409.550	ppb	1.9429	0.5	18889.4
Fe 271.441	208094	ppb	269.001	0.1	375524
K 766.491	16812.6	ppb	27.8771	0.2	636063
Mg 279.078	51937.9	ppb	113.579	0.2	116759
Mn 257.610	5923.19	ppb	22.3449	0.4	356620
Mo 202.032	16.0312	ppb	0.4421	2.8	132.004
Na 330.237	2149.85	ppb	138.504	6.4	38.5142
Ni 231.604	115.089	ppb	1.2856	1.1	341.321
Pb 220.353	830.231	ppb	3.9015	0.5	1691.55
Sb 206.834	5.9810	ppb	3.1334	52.4	18.2735
Se 196.026	1.4364	ppb	6.2990	438.5	15.3310
Sn 189.925	40.7951	ppb	2.7865	6.8	29.1274
Sr 216.596	573.527	ppb	1.4189	0.2	7233.33
Ti 334.941	2201.22	ppb	2.9581	0.1	655337
Tl 190.794	10.8877	ppb	0.7012	6.4	-22.4960
V 292.401	314.879	ppb	0.3556	0.1	8902.58
Zn 206.200	1000.61	ppb	3.9970	0.4	1597.11

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**680-89957-a-8-a (Samp)**      **5/9/2013, 9:53:47 AM**      **Rack 4, Tube 23****Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.2015u	-2.0641u	-1.6799u
Al 308.215	131977	132074	132464
As 188.980	180.023	184.956	171.222
B 249.678	103.386	104.137	104.525
Ba 389.178	1619.78	1612.81	1617.26
Be 313.042	21.7567	21.7546	21.8013
Ca 370.602	1137245x	1134362x	1140712x
Cd 226.502	4.4429	4.6231	4.4559
Co 228.615	46.4853	44.2532	46.0817
Cr 267.716	268.288	267.292	268.162
Cu 324.754	171.141	170.172	171.743
Fe 271.441	186112	186234	186753
K 766.491	26463.5	26326.1	26452.3
Mg 279.078	472116	470063	472620
Mn 257.610	10530.0	10488.1	10488.6
Mo 202.032	14.6257	15.3951	13.8746
Na 330.237	3723.71	3820.38	3879.42
Ni 231.604	92.5611	91.3401	93.7591
Pb 220.353	1088.29	1092.95	1083.75
Sb 206.834	-1.1734	0.1388	3.1367
Se 196.026	-12.7726u	-21.1854u	-11.8047u
Sn 189.925	21.6512	23.2246	22.5120
Sr 216.596	954.331	956.587	956.430
Ti 334.941	2178.88	2178.37	2186.19
Tl 190.794	11.8101u	19.9182u	8.6697u
V 292.401	363.182	363.468	363.341
Zn 206.200	657.738	650.870	657.459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6485b	ppb	0.4322	26.2	-167.050
Al 308.215	132172b	ppb	257.536	0.2	529393
As 188.980	178.734b	ppb	6.9573	3.9	84.7154
B 249.678	104.016b	ppb	0.5787	0.6	1479.83
Ba 389.178	1616.62b	ppb	3.5295	0.2	37593.3
Be 313.042	21.7709b	ppb	0.0264	0.1	39914.9
Ca 370.602	1137440xb	ppb	3179	0.3	3494894
Cd 226.502	4.5073b	ppb	0.1005	2.2	845.973
Co 228.615	45.6068b	ppb	1.1894	2.6	661.423
Cr 267.716	267.914b	ppb	0.5426	0.2	13785.8
Cu 324.754	171.019b	ppb	0.7925	0.5	8067.41
Fe 271.441	186366b	ppb	340.487	0.2	336326
K 766.491	26414.0b	ppb	76.2869	0.3	999136
Mg 279.078	471600b	ppb	1354.32	0.3	1060550
Mn 257.610	10502.2b	ppb	24.0699	0.2	633116
Mo 202.032	14.6318b	ppb	0.7603	5.2	122.224
Na 330.237	3807.84b	ppb	78.6080	2.1	137.344
Ni 231.604	92.5535b	ppb	1.2095	1.3	273.812
Pb 220.353	1088.33b	ppb	4.6030	0.4	2208.82
Sb 206.834	0.7007b	ppb	2.2093	315.3	11.3577
Se 196.026	-15.2542b	ppb	5.1593	33.8	7.4849
Sn 189.925	22.4626b	ppb	0.7879	3.5	11.7880
Sr 216.596	955.783b	ppb	1.2601	0.1	12055.5
Ti 334.941	2181.15b	ppb	4.3753	0.2	651392
Tl 190.794	13.4660b	ppb	5.8042	43.1	-25.5244
V 292.401	363.330b	ppb	0.1434	0.0	10277.7
Zn 206.200	655.356b	ppb	3.8869	0.6	1051.36

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89957-a-9-a (Samp) 5/9/2013, 9:59:15 AM Rack 4, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6079u	-0.5086u	-0.3624u
Al 308.215	114624	114705	115103
As 188.980	99.4743	102.124	94.6800
B 249.678	-26.2146u	-25.2801u	-27.0452u
Ba 389.178	348.555	348.556	347.964
Be 313.042	2.7275	2.7370	2.7295
Ca 370.602	34546	34529	34520
Cd 226.502	-0.2864	-0.8709	-0.4928
Co 228.615	26.0036	26.1746	24.9601
Cr 267.716	246.061	245.711	245.915
Cu 324.754	26.8056	27.4630	27.0004
Fe 271.441	179921	179978	179881
K 766.491	3164.54	3153.10	3171.24
Mg 279.078	4525.08	4527.57	4518.34
Mn 257.610	210.057	209.099	208.308
Mo 202.032	5.0138	5.6085	5.1338
Na 330.237	1513.71u	1295.61u	1395.41u
Ni 231.604	35.3003	37.3368	37.7855
Pb 220.353	96.4850	91.4578	96.5059
Sb 206.834	3.4289	7.2469	2.4335
Se 196.026	-12.0820u	-5.2644u	0.7145
Sn 189.925	19.2956	18.0729	14.9563
Sr 216.596	98.7079	99.1271	98.4789
Ti 334.941	167.056	166.800	167.177
Tl 190.794	-1.8007u	-0.6150u	2.2976u
V 292.401	291.978	291.870	291.994
Zn 206.200	138.541	136.548	138.821

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4929	ppb	0.1235	25.1	-76.7596
Al 308.215	114811	ppb	256.573	0.2	459861
As 188.980	98.7595	ppb	3.7731	3.8	39.3430
B 249.678	-26.1799	ppb	0.8831	3.4	-213.572
Ba 389.178	348.358	ppb	0.3419	0.1	8040.07
Be 313.042	2.7313	ppb	0.0050	0.2	4640.65
Ca 370.602	34532	ppb	13.38	0.0	92335
Cd 226.502	-0.5500	ppb	0.2964	53.9	618.601
Co 228.615	25.7128	ppb	0.6574	2.6	342.732
Cr 267.716	245.896	ppb	0.1756	0.1	12609.1
Cu 324.754	27.0897	ppb	0.3376	1.2	1539.98
Fe 271.441	179927	ppb	48.8490	0.0	324704
K 766.491	3162.96	ppb	9.1757	0.3	119904
Mg 279.078	4523.66	ppb	4.7754	0.1	10206.2
Mn 257.610	209.155	ppb	0.8761	0.4	12861.8
Mo 202.032	5.2521	ppb	0.3145	6.0	49.9746
Na 330.237	1401.58	ppb	109.179	7.8	36.6436
Ni 231.604	36.8075	ppb	1.3244	3.6	107.899
Pb 220.353	94.8162	ppb	2.9085	3.1	222.982
Sb 206.834	4.3697	ppb	2.5409	58.1	15.2338
Se 196.026	-5.5440	ppb	6.4028	115.5	9.8992
Sn 189.925	17.4416	ppb	2.2375	12.8	6.3760
Sr 216.596	98.7713	ppb	0.3287	0.3	1326.00
Ti 334.941	167.011	ppb	0.1926	0.1	49720.4
Tl 190.794	-0.0394	ppb	2.1089	5356.6	-23.6579
V 292.401	291.947	ppb	0.0672	0.0	8225.24
Zn 206.200	137.970	ppb	1.2392	0.8	236.369

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**Cont Calib Verif (CCV) 5/9/2013, 10:04:43 AM Rack 4, Tube 25**  
**Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	505.954	502.191	508.875
Al 308.215	4963.95	5007.34	5033.99
As 188.980	506.870	507.017	502.297
B 249.678	492.692	495.969	499.071
Ba 389.178	5152.77	5163.65	5189.72
Be 313.042	521.113	522.246	522.794
Ca 370.602	5028	5068	5092
Cd 226.502	514.789	516.688	518.537
Co 228.615	522.374	523.422	525.356
Cr 267.716	5174.25	5184.62	5200.14
Cu 324.754	5307.97	5252.73	5282.21
Fe 271.441	4982.43	4976.67	5025.85
K 766.491	10341.8	10357.4	10394.7
Mg 279.078	4974.10	4986.75	5010.21
Mn 257.610	5300.07	5265.24	5225.57
Mo 202.032	499.631	503.921	504.854
Na 330.237	7370.48	7281.64	7258.04
Ni 231.604	2578.30	2600.75	2607.20
Pb 220.353	496.496	488.859	497.445
Sb 206.834	998.968	991.691	1004.76
Se 196.026	4949.18	4955.60	4972.32
Sn 189.925	4998.77	5024.35	5014.10
Sr 216.596	2509.88	2535.30	2542.97
Ti 334.941	503.671	503.792	505.416
Tl 190.794	5035.17	5073.31	5046.55
V 292.401	5025.38	5033.15	5056.83
Zn 206.200	2558.80	2577.00	2575.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	505.674	ppb	3.3507	0.7	38779.2	101.13473
Al 308.215	5001.76	ppb	35.3501	0.7	20052.6	100.03522
As 188.980	505.395	ppb	2.6837	0.5	227.721	101.07891
B 249.678	495.911	ppb	3.1900	0.6	6840.26	19.83642Q
Ba 389.178	5168.72	ppb	18.9881	0.4	115589	103.37431
Be 313.042	522.051	ppb	0.8574	0.2	956991	104.41024
Ca 370.602	5063	ppb	32.65	0.6	15513	101.25135
Cd 226.502	516.671	ppb	1.8744	0.4	20390.0	103.33427
Co 228.615	523.717	ppb	1.5127	0.3	6853.51	104.74347
Cr 267.716	5186.33	ppb	13.0314	0.3	264854	103.72670
Cu 324.754	5280.97	ppb	27.6450	0.5	239686	105.61942
Fe 271.441	4994.98	ppb	26.8841	0.5	9258.31	99.89967
K 766.491	10364.6	ppb	27.1650	0.3	392233	103.64624
Mg 279.078	4990.35	ppb	18.3249	0.4	11169.4	99.80705
Mn 257.610	5263.63	ppb	37.2750	0.7	316683	105.27253
Mo 202.032	502.802	ppb	2.7858	0.6	3908.91	100.56036
Na 330.237	7303.39	ppb	59.2932	0.8	407.347	97.37849
Ni 231.604	2595.42	ppb	15.1709	0.6	7711.30	103.81666
Pb 220.353	494.267	ppb	4.7071	1.0	1018.47	98.85331
Sb 206.834	998.473	ppb	6.5478	0.7	1244.94	99.84726
Se 196.026	4959.03	ppb	11.9452	0.2	2659.19	99.18064
Sn 189.925	5012.40	ppb	12.8759	0.3	4850.52	100.24809
Sr 216.596	2529.38	ppb	17.3183	0.7	31227.9	101.17522
Ti 334.941	504.293	ppb	0.9747	0.2	150071	100.85863
Tl 190.794	5051.68	ppb	19.5758	0.4	5325.97	101.03352
V 292.401	5038.45	ppb	16.3841	0.3	141944	100.76907
Zn 206.200	2570.40	ppb	10.0763	0.4	4030.52	102.81588

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Cont Calib Blank (CCB) 5/9/2013, 10:10:11 AM Rack 4, Tube 26

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2452u	0.0429	0.3664
Al 308.215	1.3043	0.9364	1.2519
As 188.980	-2.4245u	-2.3368u	-8.7868u
B 249.678	-8.7235u	-10.6378u	-11.2443u
Ba 389.178	0.2458	0.3364	0.7139
Be 313.042	-0.0017u	-0.0008u	0.0104
Ca 370.602	-1.523u	-2.538u	-1.941u
Cd 226.502	-0.0211u	-0.1143u	-0.2134u
Co 228.615	-0.2502u	-0.5670u	0.1664
Cr 267.716	0.1271	-0.0609u	0.1737
Cu 324.754	0.0592	0.0824	0.0141
Fe 271.441	-7.2068u	-3.2202u	-7.4752u
K 766.491	-0.0239u	-0.1255u	0.2864
Mg 279.078	-0.7838u	-1.5616u	-2.0788u
Mn 257.610	-0.2712u	-0.2515u	-0.1339u
Mo 202.032	0.0449	-0.2664u	-0.3351u
Na 330.237	7.2688	-81.1543u	-31.0873u
Ni 231.604	-0.4399u	0.9212	-0.5557u
Pb 220.353	-2.2877u	-0.8725u	-2.0070u
Sb 206.834	2.7244	4.1300	5.4212
Se 196.026	0.8352	1.6851	-7.0556u
Sn 189.925	2.2949	-0.2615u	-1.6433u
Sr 216.596	-0.1259u	0.1373	-0.0176u
Ti 334.941	0.0907	0.0646	0.0722
Tl 190.794	0.9805	-2.9782u	1.0659
V 292.401	-0.1846u	0.3510	0.3558
Zn 206.200	0.0530	-1.0445u	0.1583

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0547	ppb	0.3060	559.3	-32.7531	0.05471
Al 308.215	1.1642	ppb	0.1990	17.1	40.3933	1.16421
As 188.980	-4.5160	ppb	3.6989	81.9	-7.1170	-4.51602
B 249.678	-10.2019	ppb	1.3157	12.9	230.820	-10.20187
Ba 389.178	0.4320	ppb	0.2483	57.5	1.5630	0.43205
Be 313.042	0.0026	ppb	0.0068	258.1	-372.031	0.00262
Ca 370.602	-2.001	ppb	0.5105	25.5	8.860	-2.00074
Cd 226.502	-0.1162	ppb	0.0962	82.7	31.7536	-0.11623
Co 228.615	-0.2169	ppb	0.3678	169.5	5.6810	-0.21693
Cr 267.716	0.0800	ppb	0.1242	155.2	9.8858	0.08000
Cu 324.754	0.0519	ppb	0.0347	66.9	268.039	0.05189
Fe 271.441	-5.9674	ppb	2.3829	39.9	100.879	-5.96739
K 766.491	0.0457	ppb	0.2146	469.8	299.228	0.04567
Mg 279.078	-1.4747	ppb	0.6519	44.2	33.0034	-1.47474
Mn 257.610	-0.2189	ppb	0.0743	33.9	130.096	-0.21887
Mo 202.032	-0.1855	ppb	0.2025	109.2	18.0752	-0.18554
Na 330.237	-34.9910	ppb	44.3406	126.7	56.0029	-34.99097
Ni 231.604	-0.0248	ppb	0.8213	3308.7	-5.9065	-0.02482
Pb 220.353	-1.7224	ppb	0.7493	43.5	27.7922	-1.72243
Sb 206.834	4.0919	ppb	1.3488	33.0	7.2055	4.09186
Se 196.026	-1.5118	ppb	4.8199	318.8	10.8518	-1.51178
Sn 189.925	0.1300	ppb	1.9981	1536.6	-10.4247	0.13003
Sr 216.596	-0.0020	ppb	0.1323	6470.2	16.5047	-0.00204
Ti 334.941	0.0758	ppb	0.0134	17.7	-9.5403	0.07582
Tl 190.794	-0.3106	ppb	2.3106	743.9	-13.9670	-0.31060
V 292.401	0.1741	ppb	0.3106	178.4	-5.1959	0.17408
Zn 206.200	-0.2777	ppb	0.6661	239.8	0.11178	-0.27775

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**680-89957-a-10-a (Samp) 5/9/2013, 10:15:40 AM Rack 4, Tube 27****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.2306u	-2.1376u	-2.1901u
Al 308.215	209967	209404	210337
As 188.980	216.050	234.524	232.061
B 249.678	138.645	140.501	139.343
Ba 389.178	1722.58	1722.33	1722.88
Be 313.042	38.1760	38.1585	38.1843
Ca 370.602	964165x	962196x	961931x
Cd 226.502	3.3262	3.5058	3.4799
Co 228.615	36.2003	36.5939	36.4156
Cr 267.716	173.616	174.225	174.739
Cu 324.754	491.463	494.731	488.960
Fe 271.441	141427	141431	141826
K 766.491	35800.5	35964.8	35912.7
Mg 279.078	207543	207422	207939
Mn 257.610	9848.91	9962.67	9913.31
Mo 202.032	10.0876	9.7009	10.0663
Na 330.237	4137.75	4413.41	4535.14
Ni 231.604	84.0310	84.4012	83.9446
Pb 220.353	325.266	322.838	324.202
Sb 206.834	6.9056	7.8749	5.0136
Se 196.026	-13.9938u	-13.5184u	-7.4365u
Sn 189.925	23.3257	16.3484	19.0258
Sr 216.596	1459.57	1459.56	1462.88
Ti 334.941	2898.35	2894.37	2892.82
Tl 190.794	11.4089u	15.2800u	13.1685u
V 292.401	291.249	292.323	292.303
Zn 206.200	518.847	519.229	524.882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1861b	ppb	0.0466	2.1	-230.145
Al 308.215	209903b	ppb	469.889	0.2	840714
As 188.980	227.545b	ppb	10.0310	4.4	106.208
B 249.678	139.496b	ppb	0.9372	0.7	2002.37
Ba 389.178	1722.60b	ppb	0.2774	0.0	39229.9
Be 313.042	38.1729b	ppb	0.0132	0.0	69964.2
Ca 370.602	962764xb	ppb	1221	0.1	2959687
Cd 226.502	3.4373b	ppb	0.0971	2.8	649.808
Co 228.615	36.4032b	ppb	0.1971	0.5	563.845
Cr 267.716	174.194b	ppb	0.5621	0.3	8988.39
Cu 324.754	491.718b	ppb	2.8935	0.6	22597.1
Fe 271.441	141562b	ppb	229.344	0.2	255496
K 766.491	35892.7b	ppb	83.9446	0.2	1357571
Mg 279.078	207635b	ppb	270.247	0.1	466831
Mn 257.610	9908.30b	ppb	57.0431	0.6	596643
Mo 202.032	9.9516b	ppb	0.2174	2.2	88.4812
Na 330.237	4362.10b	ppb	203.601	4.7	183.911
Ni 231.604	84.1256b	ppb	0.2426	0.3	247.728
Pb 220.353	324.102b	ppb	1.2172	0.4	683.633
Sb 206.834	6.5980b	ppb	1.4552	22.1	16.2761
Se 196.026	-11.6496b	ppb	3.6564	31.4	8.9707
Sn 189.925	19.5666b	ppb	3.5200	18.0	8.8961
Sr 216.596	1460.67b	ppb	1.9124	0.1	18258.1
Ti 334.941	2895.18b	ppb	2.8525	0.1	862613
Tl 190.794	13.2858b	ppb	1.9382	14.6	-22.4193
V 292.401	291.958b	ppb	0.6146	0.2	8275.51
Zn 206.200	520.986b	ppb	3.3792	0.6	835.256

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Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.7959u	-2.0637u	-1.4084u
Al 308.215	208525	209172	208612
As 188.980	197.826	210.522	211.237
B 249.678	70.1470	69.9586	71.2733
Ba 389.178	1605.94	1608.01	1605.92
Be 313.042	29.2009	29.2937	29.2468
Ca 370.602	669943	673793	670864
Cd 226.502	2.2627	2.0251	2.2228
Co 228.615	42.8515	42.2258	43.6612
Cr 267.716	173.192	174.018	173.994
Cu 324.754	71.4809	71.1030	70.8137
Fe 271.441	245859	246469	246458
K 766.491	21643.2	21706.8	21552.5
Mg 279.078	142059	142135	142332
Mn 257.610	11470.2	11371.2	11510.6
Mo 202.032	7.8240	7.3435	7.3355
Na 330.237	3863.86	3907.03	3923.39
Ni 231.604	50.2502	49.1846	49.2677
Pb 220.353	340.653	339.148	339.175
Sb 206.834	5.8396	1.7720	5.4104
Se 196.026	9.6826	9.2819	4.2239
Sn 189.925	21.4331	15.8179	19.5133
Sr 216.596	1058.13	1054.70	1059.49
Ti 334.941	2443.99	2447.98	2451.01
Tl 190.794	13.9874u	15.6757u	15.1478u
V 292.401	408.557	408.524	408.173
Zn 206.200	390.568	386.812	386.056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7560	ppb	0.3295	18.8	-168.880
Al 308.215	208770	ppb	351.486	0.2	836174
As 188.980	206.528	ppb	7.5449	3.7	93.4587
B 249.678	70.4596	ppb	0.7109	1.0	962.479
Ba 389.178	1606.63	ppb	1.2002	0.1	36614.8
Be 313.042	29.2471	ppb	0.0464	0.2	53490.0
Ca 370.602	671533	ppb	2010	0.3	2052901
Cd 226.502	2.1702	ppb	0.1273	5.9	951.312
Co 228.615	42.9128	ppb	0.7197	1.7	631.602
Cr 267.716	173.735	ppb	0.4699	0.3	8996.39
Cu 324.754	71.1325	ppb	0.3346	0.5	3553.94
Fe 271.441	246262	ppb	349.093	0.1	444376
K 766.491	21634.1	ppb	77.5448	0.4	818387
Mg 279.078	142175	ppb	140.940	0.1	319597
Mn 257.610	11450.7	ppb	71.7088	0.6	689286
Mo 202.032	7.5010	ppb	0.2797	3.7	63.5882
Na 330.237	3898.09	ppb	30.7555	0.8	111.592
Ni 231.604	49.5675	ppb	0.5927	1.2	147.450
Pb 220.353	339.659	ppb	0.8615	0.3	715.382
Sb 206.834	4.3407	ppb	2.2348	51.5	16.4017
Se 196.026	7.7295	ppb	3.0425	39.4	20.3891
Sn 189.925	18.9214	ppb	2.8540	15.1	8.1244
Sr 216.596	1057.44	ppb	2.4654	0.2	13287.8
Ti 334.941	2447.66	ppb	3.5214	0.1	729125
Tl 190.794	14.9370	ppb	0.8637	5.8	-28.7254
V 292.401	408.418	ppb	0.2131	0.1	11558.9
Zn 206.200	387.812	ppb	2.4165	0.6	637.111



680-89957-a-12-a (Samp) 5/9/2013, 10:26:36 AM Rack 4, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.5535	-1.6791	-1.8522
Al 308.215	113869	113693	113828
As 188.980	94.9388	97.1992	92.0827
B 249.678	-23.3102u	-24.4157u	-24.7576u
Ba 389.178	1495.07	1493.75	1499.29
Be 313.042	15.4767	15.4125	15.4644
Ca 370.602	43898	43804	43773
Cd 226.502	21.2950	21.5463	21.5527
Co 228.615	79.3375	79.3456	78.4987
Cr 267.716	390.583	390.318	391.673
Cu 324.754	102.039	103.425	101.114
Fe 271.441	168984	168633	169076
K 766.491	6165.99	6153.49	6169.40
Mg 279.078	13074.0	13032.9	13048.5
Mn 257.610	34703.7x	34739.1x	34829.5x
Mo 202.032	2.8432	2.9770	3.7641
Na 330.237	1193.93u	1203.73u	1038.10u
Ni 231.604	431.776	430.229	429.091
Pb 220.353	84.5122	82.8240	88.3507
Sb 206.834	2.7604	-1.4996	-1.3080
Se 196.026	-9.7258	-11.2091	-4.9724
Sn 189.925	17.4402	16.1732	14.3372
Sr 216.596	138.926	138.255	138.611
Ti 334.941	165.951	165.859	166.456
Tl 190.794	66.0200	60.0519	58.5843
V 292.401	224.454	224.666	225.534
Zn 206.200	1173.11	1163.48	1166.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6949b	ppb	0.1500	8.8	-12.7957
Al 308.215	113797b	ppb	92.0027	0.1	455800
As 188.980	94.7402b	ppb	2.5640	2.7	37.6507
B 249.678	-24.1612b	ppb	0.7565	3.1	-172.737
Ba 389.178	1496.04b	ppb	2.8954	0.2	33706.0
Be 313.042	15.4512b	ppb	0.0341	0.2	27969.3
Ca 370.602	43825b	ppb	65.45	0.1	122796
Cd 226.502	21.4647b	ppb	0.1470	0.7	1448.21
Co 228.615	79.0606b	ppb	0.4866	0.6	1039.95
Cr 267.716	390.858b	ppb	0.7178	0.2	20165.9
Cu 324.754	102.193b	ppb	1.1629	1.1	4942.91
Fe 271.441	168898b	ppb	233.529	0.1	304816
K 766.491	6162.96b	ppb	8.3768	0.1	233348
Mg 279.078	13051.8b	ppb	20.7150	0.2	28806.8
Mn 257.610	34757.4xb	ppb	64.8643	0.2	2090398
Mo 202.032	3.1948b	ppb	0.4976	15.6	34.7480
Na 330.237	1145.25b	ppb	92.9286	8.1	21.3828
Ni 231.604	430.365b	ppb	1.3477	0.3	1277.81
Pb 220.353	85.2290b	ppb	2.8322	3.3	212.582
Sb 206.834	-0.0157b	ppb	2.4061	15288.8	11.6125
Se 196.026	-8.6357b	ppb	3.2581	37.7	17.2091
Sn 189.925	15.9835b	ppb	1.5602	9.8	4.9669
Sr 216.596	138.597b	ppb	0.3361	0.2	1806.85
Ti 334.941	166.089b	ppb	0.3215	0.2	49484.6
Tl 190.794	61.5521b	ppb	3.9383	6.4	-10.3915
V 292.401	224.885b	ppb	0.5721	0.3	6321.30
Zn 206.200	1167.59b	ppb	4.9640	0.4	1855.28

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89957-a-13-a (Samp) 5/9/2013, 10:32:04 AM Rack 4, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.7060u	-1.1014u	-1.3939u
Al 308.215	165712	166117	165466
As 188.980	478.725	501.563	488.666
B 249.678	229.604	229.848	230.622
Ba 389.178	2056.56	2057.44	2050.94
Be 313.042	32.8948	33.0131	32.9252
Ca 370.602	822179x	824435x	821566x
Cd 226.502	2.8215	3.0352	2.8433
Co 228.615	62.4683	62.0687	61.8413
Cr 267.716	152.134	152.165	151.881
Cu 324.754	1036.23	1040.79	1031.22
Fe 271.441	207587	208094	207016
K 766.491	40691.0x	40748.5x	40815.8x
Mg 279.078	187908	188240	187502
Mn 257.610	9285.00	9272.72	9235.51
Mo 202.032	21.3412	22.7723	21.3226
Na 330.237	5502.24	5305.19	5262.35
Ni 231.604	126.414	125.675	122.890
Pb 220.353	625.622	625.847	619.811
Sb 206.834	11.5269	8.6893	9.5520
Se 196.026	2.6290	3.6853	-10.5495u
Sn 189.925	130.553	131.445	128.360
Sr 216.596	1455.02	1456.30	1445.81
Ti 334.941	3938.30	3934.21	3929.03
Tl 190.794	9.6100u	18.5966u	12.0101u
V 292.401	264.964	265.015	264.540
Zn 206.200	880.734	877.313	869.654

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4004b	ppb	0.3023	21.6	-171.610
Al 308.215	165765b	ppb	329.037	0.2	663939
As 188.980	489.651b	ppb	11.4511	2.3	225.345
B 249.678	230.025b	ppb	0.5312	0.2	3099.66
Ba 389.178	2054.98b	ppb	3.5262	0.2	46701.0
Be 313.042	32.9443b	ppb	0.0615	0.2	60318.7
Ca 370.602	822726xb	ppb	1511	0.2	2522636
Cd 226.502	2.9000b	ppb	0.1176	4.1	849.244
Co 228.615	62.1261b	ppb	0.3174	0.5	926.889
Cr 267.716	152.060b	ppb	0.1559	0.1	7873.89
Cu 324.754	1036.08b	ppb	4.7858	0.5	47298.1
Fe 271.441	207566b	ppb	539.518	0.3	374572
K 766.491	40751.7xb	ppb	62.4616	0.2	1541315
Mg 279.078	187883b	ppb	369.463	0.2	422443
Mn 257.610	9264.41b	ppb	25.7708	0.3	557915
Mo 202.032	21.8120b	ppb	0.8317	3.8	176.985
Na 330.237	5356.59b	ppb	127.937	2.4	191.087
Ni 231.604	124.993b	ppb	1.8581	1.5	370.773
Pb 220.353	623.760b	ppb	3.4218	0.5	1280.27
Sb 206.834	9.9228b	ppb	1.4547	14.7	21.5259
Se 196.026	-1.4118b	ppb	7.9311	561.8	14.6994
Sn 189.925	130.120b	ppb	1.5874	1.2	116.039
Sr 216.596	1452.38b	ppb	5.7213	0.4	18168.5
Ti 334.941	3933.84b	ppb	4.6442	0.1	1171629
Tl 190.794	13.4056b	ppb	4.6529	34.7	-25.0039
V 292.401	264.840b	ppb	0.2612	0.1	7525.13
Zn 206.200	875.900b	ppb	5.6734	0.6	1401.13

680-89957-a-14-a (Samp) 5/9/2013, 10:37:32 AM Rack 4, Tube 31

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.8431u	-2.5138u	-2.0056u
Al 308.215	170846	171351	170248
As 188.980	414.534	422.228	420.001
B 249.678	102.966	104.361	106.056
Ba 389.178	1355.86	1356.37	1359.73
Be 313.042	23.3410	23.4119	23.4129
Ca 370.602	516147	517438	517572
Cd 226.502	2.1523	2.5719	2.7374
Co 228.615	59.4994	58.3395	59.6354
Cr 267.716	262.516	262.707	264.603
Cu 324.754	150.105	152.105	151.162
Fe 271.441	367651	367653	365519
K 766.491	23667.3	23843.8	23936.3
Mg 279.078	108718	108734	108831
Mn 257.610	10631.6	10580.0	10743.7
Mo 202.032	13.9605	14.3761	13.9492
Na 330.237	4498.62	4034.61	4475.33
Ni 231.604	75.4023	75.3374	76.2008
Pb 220.353	214.561	217.281	221.167
Sb 206.834	-3.4089	3.2865	-2.4282
Se 196.026	-5.1719	-12.2776u	-6.4329
Sn 189.925	22.9747	23.9752	24.7250
Sr 216.596	946.236	947.750	950.876
Ti 334.941	2024.86	2023.59	2031.54
Tl 190.794	11.5533u	11.5196u	13.5663u
V 292.401	485.016	486.439	487.151
Zn 206.200	389.723	388.115	389.550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1208	ppb	0.3499	16.5	-194.444
Al 308.215	170815	ppb	552.061	0.3	684161
As 188.980	418.921	ppb	3.9589	0.9	189.161
B 249.678	104.461	ppb	1.5474	1.5	1249.25
Ba 389.178	1357.32	ppb	2.1062	0.2	31121.3
Be 313.042	23.3886	ppb	0.0412	0.2	42681.9
Ca 370.602	517053	ppb	786.9	0.2	1566697
Cd 226.502	2.4872	ppb	0.3016	12.1	1367.68
Co 228.615	59.1581	ppb	0.7122	1.2	826.567
Cr 267.716	263.275	ppb	1.1535	0.4	13594.3
Cu 324.754	151.124	ppb	1.0007	0.7	7212.90
Fe 271.441	366941	ppb	1231.15	0.3	662083
K 766.491	23815.8	ppb	136.681	0.6	900885
Mg 279.078	108761	ppb	61.0538	0.1	244492
Mn 257.610	10651.8	ppb	83.6982	0.8	641238
Mo 202.032	14.0953	ppb	0.2432	1.7	108.093
Na 330.237	4336.18	ppb	261.431	6.0	76.5624
Ni 231.604	75.6469	ppb	0.4808	0.6	227.818
Pb 220.353	217.670	ppb	3.3202	1.5	470.996
Sb 206.834	-0.8502	ppb	3.6159	425.3	14.3999
Se 196.026	-7.9608	ppb	3.7912	47.6	12.5825
Sn 189.925	23.8917	ppb	0.8781	3.7	12.8637
Sr 216.596	948.287	ppb	2.3663	0.2	11975.5
Ti 334.941	2026.66	ppb	4.2702	0.2	603686
Tl 190.794	12.2131	ppb	1.1721	9.6	-36.9745
V 292.401	486.202	ppb	1.0870	0.2	13743.0
Zn 206.200	389.129	ppb	0.8827	0.2	652.067

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89957-a-15-a (Samp) 5/9/2013, 10:43:01 AM Rack 4, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8587u	-1.0406u	-0.2450u
Al 308.215	94073.6	93933.6	93659.7
As 188.980	119.805	108.077	118.281
B 249.678	-26.2357u	-27.1087u	-27.1660u
Ba 389.178	491.767	492.999	494.170
Be 313.042	9.7443	9.7260	9.7222
Ca 370.602	20120	20122	20126
Cd 226.502	-0.5234	-0.5241	-0.2978
Co 228.615	35.3827	35.8982	34.9877
Cr 267.716	738.234	737.599	738.909
Cu 324.754	19.3880	19.8250	19.7166
Fe 271.441	273321	272844	272877
K 766.491	2124.92	2127.59	2127.55
Mg 279.078	3767.28	3761.39	3762.13
Mn 257.610	2458.87	2453.66	2475.24
Mo 202.032	7.7154	7.2480	8.2534
Na 330.237	1749.22u	1642.52u	1795.24u
Ni 231.604	77.9426	79.6080	78.9183
Pb 220.353	104.608	111.259	105.888
Sb 206.834	1.0034	9.5725	4.7646
Se 196.026	-7.8370u	-8.2408u	-7.8115u
Sn 189.925	17.2485	17.6305	13.6049
Sr 216.596	66.9505	67.0155	66.8162
Ti 334.941	207.095	206.647	206.982
Tl 190.794	0.7449u	1.1289u	4.2741u
V 292.401	505.162	503.771	504.840
Zn 206.200	241.402	243.297	239.112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7148	ppb	0.4169	58.3	-80.7118
Al 308.215	93889.0	ppb	210.549	0.2	376065
As 188.980	115.388	ppb	6.3766	5.5	46.1706
B 249.678	-26.8368	ppb	0.5214	1.9	-344.018
Ba 389.178	492.979	ppb	1.2018	0.2	11400.0
Be 313.042	9.7308	ppb	0.0118	0.1	17463.1
Ca 370.602	20123	ppb	2.889	0.0	40583
Cd 226.502	-0.4484	ppb	0.1305	29.1	935.014
Co 228.615	35.4229	ppb	0.4566	1.3	468.745
Cr 267.716	738.247	ppb	0.6549	0.1	37786.3
Cu 324.754	19.6432	ppb	0.2276	1.2	1225.57
Fe 271.441	273014	ppb	266.277	0.1	492637
K 766.491	2126.69	ppb	1.5317	0.1	80717.6
Mg 279.078	3763.60	ppb	3.2054	0.1	8482.53
Mn 257.610	2462.59	ppb	11.2612	0.5	148434
Mo 202.032	7.7389	ppb	0.5031	6.5	63.8237
Na 330.237	1729.00	ppb	78.3436	4.5	5.4074
Ni 231.604	78.8230	ppb	0.8367	1.1	235.012
Pb 220.353	107.252	ppb	3.5293	3.3	247.919
Sb 206.834	5.1135	ppb	4.2952	84.0	24.4113
Se 196.026	-7.9631	ppb	0.2408	3.0	9.8054
Sn 189.925	16.1613	ppb	2.2221	13.7	5.1244
Sr 216.596	66.9274	ppb	0.1017	0.2	973.494
Ti 334.941	206.908	ppb	0.2331	0.1	61600.5
Tl 190.794	2.0493	ppb	1.9363	94.5	-29.9332
V 292.401	504.591	ppb	0.7282	0.1	14203.3
Zn 206.200	241.270	ppb	2.0958	0.9	407.603

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680-89957-a-16-a (Samp) 5/9/2013, 10:50:28 AM Rack 4, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6220u	-0.7987u	-0.1206u
Al 308.215	149316	148566	149763
As 188.980	312.373	317.616	315.950
B 249.678	75.9404	75.8912	76.8529
Ba 389.178	1289.20	1284.13	1286.71
Be 313.042	16.3055	16.2266	16.2341
Ca 370.602	375463	370158	374540
Cd 226.502	4.8500	5.2543	4.7480
Co 228.615	75.9524	76.4506	76.4197
Cr 267.716	234.168	233.183	233.676
Cu 324.754	371.460	368.290	374.884
Fe 271.441	269008	267915	268356
K 766.491	22969.6	22869.1	22954.4
Mg 279.078	66230.0	66104.8	66281.7
Mn 257.610	6204.25	6194.79	6122.32
Mo 202.032	41.1023	42.4978	41.9040
Na 330.237	18841.1	18762.1	19224.4
Ni 231.604	139.113	136.640	138.149
Pb 220.353	581.489	579.261	582.107
Sb 206.834	9.6940	14.0618	12.5403
Se 196.026	-10.4481u	6.6056	-0.9505
Sn 189.925	34.3139	42.2771	37.5717
Sr 216.596	1023.89	1022.22	1021.46
Ti 334.941	1841.71	1840.85	1838.78
Tl 190.794	8.3288u	6.5390u	4.9699u
V 292.401	348.562	348.196	347.899
Zn 206.200	862.898	861.476	871.136

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5137	ppb	0.3517	68.5	-95.1161
Al 308.215	149215	ppb	604.685	0.4	597657
As 188.980	315.313	ppb	2.6787	0.8	141.072
B 249.678	76.2281	ppb	0.5416	0.7	1009.13
Ba 389.178	1286.68	ppb	2.5350	0.2	29298.3
Be 313.042	16.2554	ppb	0.0436	0.3	29550.6
Ca 370.602	373387	ppb	2835	0.8	1131136
Cd 226.502	4.9508	ppb	0.2678	5.4	1133.41
Co 228.615	76.2742	ppb	0.2791	0.4	1047.06
Cr 267.716	233.676	ppb	0.4925	0.2	12038.2
Cu 324.754	371.545	ppb	3.2980	0.9	17182.7
Fe 271.441	268426	ppb	549.834	0.2	484366
K 766.491	22931.0	ppb	54.2111	0.2	867429
Mg 279.078	66205.5	ppb	90.9677	0.1	148842
Mn 257.610	6173.79	ppb	44.8204	0.7	371772
Mo 202.032	41.8347	ppb	0.7003	1.7	328.829
Na 330.237	18942.5	ppb	247.267	1.3	874.357
Ni 231.604	137.967	ppb	1.2463	0.9	410.786
Pb 220.353	580.952	ppb	1.4966	0.3	1194.96
Sb 206.834	12.0987	ppb	2.2172	18.3	26.2147
Se 196.026	-1.5977	ppb	8.5452	534.9	14.1539
Sn 189.925	38.0543	ppb	4.0034	10.5	26.5376
Sr 216.596	1022.52	ppb	1.2416	0.1	12828.0
Ti 334.941	1840.45	ppb	1.5031	0.1	548047
Tl 190.794	6.6126	ppb	1.6806	25.4	-30.6349
V 292.401	348.219	ppb	0.3318	0.1	9836.49
Zn 206.200	865.170	ppb	5.2153	0.6	1390.67

X (Samp) 5/9/2013, 10:55:56 AM Rack 4, Tube 34  
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1259u	0.1329	0.3426
Al 308.215	2.0932	2.3512	4.8165
As 188.980	-6.4082u	0.5203	-5.4044u
B 249.678	-17.0542u	-17.6591u	-17.3621u
Ba 389.178	-0.1968u	-0.7699u	0.5345
Be 313.042	-0.0078u	0.0020	0.0060
Ca 370.602	4.823	7.149	11.85
Cd 226.502	-0.0801u	-0.2494u	-0.0948u
Co 228.615	0.1253	-0.1280u	-0.4730u
Cr 267.716	0.0886	0.0016	-0.0530u
Cu 324.754	0.0823	0.5885	-0.0825u
Fe 271.441	5.7150	8.1533	9.3925
K 766.491	-0.2850u	0.3866	0.2051
Mg 279.078	0.6569	-1.4262u	0.8380
Mn 257.610	-0.1171u	-0.2995u	-0.0961u
Mo 202.032	-0.8479u	-0.4504u	-0.8591u
Na 330.237	123.825	204.590	220.344
Ni 231.604	-0.2342u	0.7611	-0.7825u
Pb 220.353	-3.0292u	-3.1393u	-0.4598u
Sb 206.834	4.1436	5.0490	0.9789
Se 196.026	-1.1831u	-3.7452u	5.9709
Sn 189.925	-0.9289u	-2.0361u	1.5700
Sr 216.596	0.3166	0.2030	0.1500
Ti 334.941	0.3570	0.3091	0.3151
Tl 190.794	2.3900	0.2646	-3.4211u
V 292.401	-0.3026u	0.1123	0.0957
Zn 206.200	0.7559	0.4153	0.8001

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1166	ppb	0.2347	201.3	-28.0052
Al 308.215	3.0870	ppb	1.5033	48.7	48.0426
As 188.980	-3.7641	ppb	3.7442	99.5	-6.7705
B 249.678	-17.3585	ppb	0.3025	1.7	137.249
Ba 389.178	-0.1441	ppb	0.6538	453.9	-11.2996
Be 313.042	0.0001	ppb	0.0071	8511.9	-376.596
Ca 370.602	7.940	ppb	3.580	45.1	38.47
Cd 226.502	-0.1414	ppb	0.0938	66.3	30.8075
Co 228.615	-0.1586	ppb	0.3003	189.4	6.4718
Cr 267.716	0.0124	ppb	0.0714	577.6	6.4417
Cu 324.754	0.1961	ppb	0.3497	178.3	274.569
Fe 271.441	7.7536	ppb	1.8711	24.1	125.638
K 766.491	0.1023	ppb	0.3474	339.8	301.367
Mg 279.078	0.0229	ppb	1.2582	5489.4	36.3712
Mn 257.610	-0.1709	ppb	0.1118	65.5	132.994
Mo 202.032	-0.7191	ppb	0.2328	32.4	13.9363
Na 330.237	182.920	ppb	51.7804	28.3	67.1784
Ni 231.604	-0.0852	ppb	0.7825	918.5	-6.0856
Pb 220.353	-2.2095	ppb	1.5163	68.6	26.8204
Sb 206.834	3.3905	ppb	2.1370	63.0	6.3824
Se 196.026	0.3475	ppb	5.0356	1448.9	11.8440
Sn 189.925	-0.4650	ppb	1.8473	397.3	-11.0017
Sr 216.596	0.2232	ppb	0.0851	38.1	19.3315
Ti 334.941	0.3271	ppb	0.0261	8.0	65.2291
Tl 190.794	-0.2555	ppb	2.9403	1150.8	-13.9094
V 292.401	-0.0315	ppb	0.2349	744.8	-10.8814
Zn 206.200	0.6571	ppb	0.2106	32.0	13.553

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Cont Calib Verif (CCV) 5/9/2013, 11:02:08 AM Rack 4, Tube 37  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	500.988	498.180	507.027
Al 308.215	4995.25	4957.59	5059.50
As 188.980	505.423	485.794	507.890
B 249.678	494.198	493.749	501.848
Ba 389.178	5166.51	5121.15	5162.50
Be 313.042	521.544	517.842	521.955
Ca 370.602	5042	5010	5051
Cd 226.502	516.706	513.379	517.473
Co 228.615	523.883	519.757	524.220
Cr 267.716	5189.40	5148.61	5192.96
Cu 324.754	5352.58	5280.69	5305.87
Fe 271.441	4988.60	4959.94	5011.85
K 766.491	10483.9	10317.8	10414.9
Mg 279.078	4987.77	4948.40	4996.38
Mn 257.610	5301.78	5221.04	5267.45
Mo 202.032	502.424	500.012	505.735
Na 330.237	7286.42	7400.22	7366.69
Ni 231.604	2596.94	2580.72	2604.39
Pb 220.353	491.900	490.804	492.795
Sb 206.834	1001.18	991.022	1007.18
Se 196.026	4939.04	4924.66	4975.59
Sn 189.925	5046.22	4982.85	5059.15
Sr 216.596	2509.50	2508.73	2514.73
Ti 334.941	505.880	500.783	505.092
Tl 190.794	5045.11	5003.48	5068.70
V 292.401	5056.26	5006.47	5048.85
Zn 206.200	2555.02	2550.49	2575.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.065	ppb	4.5212	0.9	38502.1	100.41298
Al 308.215	5004.11	ppb	51.5337	1.0	20062.0	100.08228
As 188.980	499.702	ppb	12.1079	2.4	225.098	99.94046
B 249.678	496.598	ppb	4.5519	0.9	6849.26	19.86394Q
Ba 389.178	5150.05	ppb	25.1100	0.5	115171	103.00101
Be 313.042	520.447	ppb	2.2655	0.4	954048	104.08937
Ca 370.602	5034	ppb	21.86	0.4	15425	100.68508
Cd 226.502	515.853	ppb	2.1762	0.4	20357.7	103.17055
Co 228.615	522.620	ppb	2.4848	0.5	6839.14	104.52402
Cr 267.716	5176.99	ppb	24.6450	0.5	264376	103.53979
Cu 324.754	5313.05	ppb	36.4774	0.7	241140	106.26094
Fe 271.441	4986.80	ppb	26.0042	0.5	9243.33	99.73594
K 766.491	10405.5	ppb	83.4319	0.8	393780	104.05536
Mg 279.078	4977.52	ppb	25.5823	0.5	11140.8	99.55038
Mn 257.610	5263.42	ppb	40.5183	0.8	316671	105.26846
Mo 202.032	502.724	ppb	2.8733	0.6	3908.31	100.54478
Na 330.237	7351.11	ppb	58.4805	0.8	409.851	98.01479
Ni 231.604	2594.02	ppb	12.1030	0.5	7707.14	103.76061
Pb 220.353	491.833	ppb	0.9971	0.2	1013.61	98.36662
Sb 206.834	999.794	ppb	8.1665	0.8	1246.39	99.97937
Se 196.026	4946.43	ppb	26.2603	0.5	2652.46	98.92857
Sn 189.925	5029.41	ppb	40.8371	0.8	4867.01	100.58813
Sr 216.596	2510.99	ppb	3.2656	0.1	31000.4	100.43948
Ti 334.941	503.918	ppb	2.7436	0.5	149959	100.78358
Tl 190.794	5039.09	ppb	33.0229	0.7	5312.68	100.78188
V 292.401	5037.19	ppb	26.8656	0.5	141909	100.74383
Zn 206.200	2560.30	ppb	13.2623	0.5	4014.65	102.41184

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Cont Calib Blank (CCB) 5/9/2013, 11:07:49 AM Rack 4, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1232	0.0734	0.0333
Al 308.215	1.6545	2.5523	1.9744
As 188.980	3.9829	0.2742	-3.0316u
B 249.678	-9.6680u	-10.3890u	-10.9068u
Ba 389.178	0.6408	0.2964	-0.4013u
Be 313.042	-0.0029u	0.0039	-0.0008u
Ca 370.602	-3.059u	-5.126u	-3.476u
Cd 226.502	-0.2613u	-0.0652u	-0.2227u
Co 228.615	-0.0166u	0.1244	0.3886
Cr 267.716	-0.2122u	0.1768	0.1613
Cu 324.754	-0.4387u	0.5072	-0.2355u
Fe 271.441	-3.3763u	-3.2463u	-7.1919u
K 766.491	-0.7775u	-0.8536u	-0.5839u
Mg 279.078	-4.3867u	-0.0432u	-1.9456u
Mn 257.610	-0.2980u	-0.1936u	-0.2179u
Mo 202.032	-0.0271u	-0.2956u	-0.0523u
Na 330.237	-11.1567u	110.428	225.410
Ni 231.604	1.0439	0.9018	-0.4257u
Pb 220.353	-0.5346u	-1.6666u	0.9332
Sb 206.834	0.2632	4.0543	3.4059
Se 196.026	0.3113	-0.9886u	0.3333
Sn 189.925	-1.2368u	-0.8323u	-1.8349u
Sr 216.596	0.7712	0.3670	0.3658
Ti 334.941	0.0471	0.0694	0.0332
Tl 190.794	2.8428	-2.2835u	-0.0179u
V 292.401	-0.0732u	0.0738	0.0976
Zn 206.200	0.3712	-0.5776u	0.0376

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0766	ppb	0.0450	58.8	-31.0858	0.07664
Al 308.215	2.0604	ppb	0.4550	22.1	43.9912	2.06036
As 188.980	0.4085	ppb	3.5092	859.0	-4.8481	0.40850
B 249.678	-10.3212	ppb	0.6222	6.0	229.258	-10.32125
Ba 389.178	0.1786	ppb	0.5310	297.2	-4.1052	0.17864
Be 313.042	0.0001	ppb	0.0035	5311.9	-376.726	0.00007
Ca 370.602	-3.887	ppb	1.093	28.1	2.940	-3.88703
Cd 226.502	-0.1831	ppb	0.1039	56.8	29.1267	-0.18306
Co 228.615	0.1655	ppb	0.2057	124.3	10.6690	0.16548
Cr 267.716	0.0420	ppb	0.2203	524.3	7.9496	0.04201
Cu 324.754	-0.0557	ppb	0.4979	894.3	263.165	-0.05568
Fe 271.441	-4.6048	ppb	2.2414	48.7	103.399	-4.60481
K 766.491	-0.7383	ppb	0.1391	18.8	269.581	-0.73832
Mg 279.078	-2.1252	ppb	2.1773	102.5	31.5404	-2.12518
Mn 257.610	-0.2365	ppb	0.0546	23.1	129.033	-0.23648
Mo 202.032	-0.1250	ppb	0.1483	118.7	18.5451	-0.12499
Na 330.237	108.227	ppb	118.299	109.3	63.3583	108.22693
Ni 231.604	0.5067	ppb	0.8106	160.0	-4.3261	0.50669
Pb 220.353	-0.4227	ppb	1.3035	308.4	30.3878	-0.42266
Sb 206.834	2.5745	ppb	2.0277	78.8	5.4036	2.57447
Se 196.026	-0.1147	ppb	0.7569	660.0	11.5973	-0.11468
Sn 189.925	-1.3014	ppb	0.5044	38.8	-11.8128	-1.30136
Sr 216.596	0.5013	ppb	0.2337	46.6	22.7273	0.50134
Ti 334.941	0.0499	ppb	0.0183	36.6	-17.2634	0.04992
Tl 190.794	0.1805	ppb	2.5689	1423.5	-13.4473	0.18047
V 292.401	0.0328	ppb	0.0925	282.4	-9.2031	0.03276
Zn 206.200	-0.0563	ppb	0.4813	555.4	0.2311	-0.05626



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680-90050-a-1-a (Samp) 5/9/2013, 11:13:18 AM Rack 4, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0103u	-0.1615u	0.1363
Al 308.215	9495.16	9493.13	9473.96
As 188.980	-6.5795u	-0.2798u	-3.7597u
B 249.678	-6.6983u	-6.3639u	-6.8623u
Ba 389.178	64.1835	64.9858	63.8363
Be 313.042	0.6523	0.6613	0.6483
Ca 370.602	7962	7977	7974
Cd 226.502	0.2050	0.1516	0.1414
Co 228.615	4.4288	4.1729	3.9577
Cr 267.716	10.6386	10.8221	10.7297
Cu 324.754	186.115	185.169	185.603
Fe 271.441	6192.13	6198.63	6197.12
K 766.491	780.396	783.325	777.900
Mg 279.078	4404.88	4426.24	4411.60
Mn 257.610	26.7214	26.6776	26.6065
Mo 202.032	-0.2876u	0.4154	-0.2366u
Na 330.237	39333.4	39602.9	39284.9
Ni 231.604	7.7372	6.3572	6.6739
Pb 220.353	-0.3060u	0.1179	1.3595
Sb 206.834	6.3828	2.6816	-0.0343
Se 196.026	0.6151	1.7716	-0.8879u
Sn 189.925	0.3663	-0.3793u	2.8642
Sr 216.596	48.1434	48.7093	49.3005
Ti 334.941	51.7591	51.9410	51.6641
Tl 190.794	2.1624	-4.0600u	3.6540
V 292.401	6.3654	6.7488	6.0657
Zn 206.200	17.6723	18.2653	17.5935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0118	ppb	0.1489	1257.3	-40.0290
Al 308.215	9487.42	ppb	11.7013	0.1	38033.7
As 188.980	-3.5397	ppb	3.1556	89.1	-6.6528
B 249.678	-6.6415	ppb	0.2540	3.8	269.250
Ba 389.178	64.3352	ppb	0.5896	0.9	1450.10
Be 313.042	0.6540	ppb	0.0067	1.0	821.559
Ca 370.602	7971	ppb	7.770	0.1	24125
Cd 226.502	0.1660	ppb	0.0342	20.6	63.5028
Co 228.615	4.1865	ppb	0.2358	5.6	64.4714
Cr 267.716	10.7302	ppb	0.0917	0.9	556.355
Cu 324.754	185.629	ppb	0.4738	0.3	8684.16
Fe 271.441	6195.96	ppb	3.4037	0.1	11289.9
K 766.491	780.540	ppb	2.7153	0.3	29813.5
Mg 279.078	4414.24	ppb	10.9204	0.2	9962.37
Mn 257.610	26.6685	ppb	0.0580	0.2	1763.48
Mo 202.032	-0.0363	ppb	0.3920	1080.7	18.8867
Na 330.237	39407.0	ppb	171.316	0.4	2078.06
Ni 231.604	6.9227	ppb	0.7229	10.4	14.9010
Pb 220.353	0.3905	ppb	0.8656	221.7	32.1863
Sb 206.834	3.0100	ppb	3.2211	107.0	6.2208
Se 196.026	0.4996	ppb	1.3335	266.9	11.9717
Sn 189.925	0.9504	ppb	1.6988	178.7	-9.6097
Sr 216.596	48.7177	ppb	0.5786	1.2	622.747
Ti 334.941	51.7881	ppb	0.1407	0.3	15399.6
Tl 190.794	0.5854	ppb	4.0916	698.9	-13.3934
V 292.401	6.3933	ppb	0.3424	5.4	170.398
Zn 206.200	17.8437	ppb	0.3673	2.1	29.0485

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Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3059	0.5004	0.1790
Al 308.215	52.4146	54.3062	51.5811
As 188.980	1.5477	-8.0922u	0.6559
B 249.678	-0.3201u	-0.8693u	-1.3949u
Ba 389.178	63.2765	62.8691	64.0084
Be 313.042	0.2499	0.2536	0.2474
Ca 370.602	35162	35139	35046
Cd 226.502	1.0792	0.9456	1.1907
Co 228.615	4.9009	4.2850	4.9787
Cr 267.716	-0.1344u	-0.0288	-0.1592u
Cu 324.754	2598.47	2620.28	2585.27
Fe 271.441	38.1440	36.7407	36.5430
K 766.491	4331.05	4354.39	4357.51
Mg 279.078	9080.13	9072.03	9046.39
Mn 257.610	92.3058	92.0605	92.7227
Mo 202.032	0.3373	0.3733	-0.1500u
Na 330.237	286689x	287296x	289543x
Ni 231.604	18.7556	17.3239	18.6613
Pb 220.353	0.3972	-0.7255u	0.9728
Sb 206.834	5.6705	1.0915	3.2304
Se 196.026	5.6606	-6.1178u	3.9250
Sn 189.925	1.8922	1.7953	-2.3411u
Sr 216.596	120.649	120.885	120.144
Ti 334.941	0.1499	0.1939	0.1782
Tl 190.794	1.7064	-1.8573u	-5.5357u
V 292.401	0.5388	0.6189	0.3098
Zn 206.200	38.0519	37.2754	36.7041

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3284b	ppb	0.1619	49.3	-17.0931
Al 308.215	52.7673b	ppb	1.3963	2.6	247.107
As 188.980	-1.9628b	ppb	5.3269	271.4	-5.6674
B 249.678	-0.8614b	ppb	0.5375	62.4	352.875
Ba 389.178	63.3847b	ppb	0.5773	0.9	1432.21
Be 313.042	0.2503b	ppb	0.0031	1.2	62.6934
Ca 370.602	35115b	ppb	61.30	0.2	108344
Cd 226.502	1.0718b	ppb	0.1227	11.4	77.1492
Co 228.615	4.7215b	ppb	0.3800	8.0	70.1171
Cr 267.716	-0.1075b	ppb	0.0692	64.4	5.9859
Cu 324.754	2601.34b	ppb	17.6773	0.7	118217
Fe 271.441	37.1426b	ppb	0.8729	2.4	179.456
K 766.491	4347.65b	ppb	14.4606	0.3	164703
Mg 279.078	9066.18b	ppb	17.6123	0.2	20425.9
Mn 257.610	92.3630b	ppb	0.3348	0.4	5722.07
Mo 202.032	0.1869b	ppb	0.2923	156.4	20.9608
Na 330.237	287842xb	ppb	1503.24	0.5	14841.0
Ni 231.604	18.2469b	ppb	0.8007	4.4	48.4224
Pb 220.353	0.2148b	ppb	0.8637	402.0	31.6840
Sb 206.834	3.3308b	ppb	2.2912	68.8	6.2968
Se 196.026	1.1559b	ppb	6.3587	550.1	12.3006
Sn 189.925	0.4488b	ppb	2.4166	538.5	-9.9835
Sr 216.596	120.559b	ppb	0.3789	0.3	1511.24
Ti 334.941	0.1740b	ppb	0.0223	12.8	40.6001
Tl 190.794	-1.8955b	ppb	3.6212	191.0	-15.7894
V 292.401	0.4892b	ppb	0.1604	32.8	1.4793
Zn 206.200	37.3438b	ppb	0.6765	1.8	59.1016

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680-90050-a-2-aSD^5 (Samp) 5/9/2013, 11:24:15 AM Rack 4, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0946u	0.1362	0.1703
Al 308.215	13.8477	11.2838	8.5869
As 188.980	-1.9207u	-3.9166u	-1.1149u
B 249.678	-15.0011u	-15.8879u	-15.0242u
Ba 389.178	12.7072	12.3382	12.9608
Be 313.042	0.0432	0.0429	0.0551
Ca 370.602	7138	7131	7140
Cd 226.502	-0.1338u	0.1583	0.0441
Co 228.615	1.2345	1.0019	0.7277
Cr 267.716	-0.1611u	0.0659	-0.1493u
Cu 324.754	528.736	531.883	528.011
Fe 271.441	6.1559	-3.8896u	1.5810
K 766.491	732.356	731.325	730.532
Mg 279.078	1870.10	1858.50	1866.76
Mn 257.610	18.9899	19.0049	19.2355
Mo 202.032	-0.9366u	-0.9047u	-0.2206u
Na 330.237	53187.4	53153.0	53139.6
Ni 231.604	4.7493	4.4607	4.0313
Pb 220.353	-0.7686u	-1.4489u	1.4611
Sb 206.834	5.3303	-0.3192u	2.4685
Se 196.026	-1.9869u	0.7684	2.7789
Sn 189.925	0.1075	-0.6627u	-2.1433u
Sr 216.596	23.8188	25.0503	24.3970
Ti 334.941	0.0297	-0.0688u	0.0053
Tl 190.794	-0.0160u	-0.3955u	1.2318
V 292.401	0.2604	0.0078u	-0.2650u
Zn 206.200	5.8838	6.6405	7.3086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0706	ppb	0.1441	204.0	-32.6120
Al 308.215	11.2395	ppb	2.6307	23.4	80.7282
As 188.980	-2.3174	ppb	1.4424	62.2	-6.0485
B 249.678	-15.3044	ppb	0.5055	3.3	164.112
Ba 389.178	12.6687	ppb	0.3131	2.5	279.906
Be 313.042	0.0470	ppb	0.0070	14.8	-293.894
Ca 370.602	7136	ppb	5.087	0.1	22030
Cd 226.502	0.0228	ppb	0.1472	644.3	36.9721
Co 228.615	0.9880	ppb	0.2537	25.7	21.4119
Cr 267.716	-0.0815	ppb	0.1278	156.8	2.6977
Cu 324.754	529.543	ppb	2.0583	0.4	24276.4
Fe 271.441	1.2824	ppb	5.0294	392.2	114.152
K 766.491	731.404	ppb	0.9148	0.1	27955.4
Mg 279.078	1865.12	ppb	5.9734	0.3	4230.90
Mn 257.610	19.0768	ppb	0.1376	0.7	1295.50
Mo 202.032	-0.6873	ppb	0.4045	58.9	14.1834
Na 330.237	53160.0	ppb	24.6642	0.0	2788.02
Ni 231.604	4.4138	ppb	0.3613	8.2	7.2910
Pb 220.353	-0.2521	ppb	1.5222	603.7	30.7339
Sb 206.834	2.4932	ppb	2.8248	113.3	5.3111
Se 196.026	0.5201	ppb	2.3925	460.0	11.9413
Sn 189.925	-0.8995	ppb	1.1439	127.2	-11.3985
Sr 216.596	24.4220	ppb	0.6161	2.5	319.340
Ti 334.941	-0.0113	ppb	0.0513	455.0	-30.6683
Tl 190.794	0.2734	ppb	0.8513	311.3	-13.3794
V 292.401	0.0010	ppb	0.2628	25330.2	-10.4284
Zn 206.200	6.6110	ppb	0.7128	10.8	10.7258

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**680-90050-a-2-aPDS (Samp) 5/9/2013, 11:29:44 AM Rack 4, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	46.7730	47.2444	47.0455
Al 308.215	2104.08	2103.70	2106.73
As 188.980	2223.01	2210.07	2207.27
B 249.678	1014.34	1020.95	1024.74
Ba 389.178	2143.62	2146.26	2142.72
Be 313.042	52.3370	52.3604	52.3933
Ca 370.602	39498	39509	39468
Cd 226.502	53.2665	53.5048	53.2365
Co 228.615	529.524	530.402	528.523
Cr 267.716	207.064	206.807	207.672
Cu 324.754	2817.06	2839.84	2816.14
Fe 271.441	1024.21	1023.30	1034.49
K 766.491	11236.6	11188.3	11184.3
Mg 279.078	14036.3	14036.2	14048.1
Mn 257.610	613.144	614.151	615.695
Mo 202.032	521.023	523.885	524.447
Na 330.237	289308x	289650x	289048x
Ni 231.604	532.659	530.127	529.878
Pb 220.353	491.385	491.497	492.865
Sb 206.834	505.787	509.279	507.176
Se 196.026	2072.02	2054.11	2053.43
Sn 189.925	1013.53	1011.94	1019.76
Sr 216.596	635.001	635.436	634.854
Ti 334.941	1018.78	1021.58	1022.97
Tl 190.794	2025.99	2036.09	2025.41
V 292.401	505.290	506.302	506.549
Zn 206.200	549.003	554.305	549.651

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0209b	ppb	0.2366	0.5	3554.38
Al 308.215	2104.84b	ppb	1.6488	0.1	8508.43
As 188.980	2213.45b	ppb	8.3974	0.4	1014.99
B 249.678	1020.01b	ppb	5.2652	0.5	13696.7
Ba 389.178	2144.20b	ppb	1.8368	0.1	47973.6
Be 313.042	52.3636b	ppb	0.0283	0.1	95558.3
Ca 370.602	39492b	ppb	21.70	0.1	121966
Cd 226.502	53.3359b	ppb	0.1470	0.3	2137.84
Co 228.615	529.483b	ppb	0.9400	0.2	6928.25
Cr 267.716	207.181b	ppb	0.4442	0.2	10591.8
Cu 324.754	2824.35b	ppb	13.4285	0.5	128337
Fe 271.441	1027.33b	ppb	6.2121	0.6	2056.69
K 766.491	11203.1b	ppb	29.1387	0.3	423939
Mg 279.078	14040.2b	ppb	6.8421	0.0	31603.6
Mn 257.610	614.330b	ppb	1.2847	0.2	37124.4
Mo 202.032	523.118b	ppb	1.8364	0.4	4075.86
Na 330.237	289335xb	ppb	301.973	0.1	14905.4
Ni 231.604	530.888b	ppb	1.5384	0.3	1572.69
Pb 220.353	491.915b	ppb	0.8239	0.2	1012.13
Sb 206.834	507.414b	ppb	1.7580	0.3	598.759
Se 196.026	2059.85b	ppb	10.5385	0.5	1110.95
Sn 189.925	1015.08b	ppb	4.1304	0.4	974.013
Sr 216.596	635.097b	ppb	0.3025	0.0	7843.37
Ti 334.941	1021.11b	ppb	2.1347	0.2	303898
Tl 190.794	2029.16b	ppb	6.0055	0.3	2132.79
V 292.401	506.047b	ppb	0.6671	0.1	14184.5
Zn 206.200	550.986b	ppb	2.8919	0.5	867.022

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**680-90050-a-2-b ms (Samp) 5/9/2013, 11:35:13 AM Rack 4, Tube 43****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.6742	53.4017	53.6838
Al 308.215	5319.34	5265.11	5286.05
As 188.980	112.979	105.427	103.425
B 249.678	214.758	213.342	213.916
Ba 389.178	168.040	167.983	167.758
Be 313.042	53.2250	53.0073	53.0188
Ca 370.602	40971	40915	40809
Cd 226.502	53.7229	53.4726	53.5703
Co 228.615	56.6009	57.4312	56.2215
Cr 267.716	104.000	103.570	103.559
Cu 324.754	2779.96	2771.64	2773.97
Fe 271.441	4937.01	4919.52	4931.78
K 766.491	11230.6	11180.2	11234.1
Mg 279.078	14309.4	14265.6	14252.2
Mn 257.610	617.345	611.978	616.013
Mo 202.032	100.614	101.070	101.083
Na 330.237	303682x	302556x	302688x
Ni 231.604	120.103	119.020	121.482
Pb 220.353	48.9459	48.3648	46.9069
Sb 206.834	54.2751	51.1808	51.4861
Se 196.026	106.288	98.9404	101.684
Sn 189.925	196.086	197.806	197.441
Sr 216.596	224.166	223.963	222.548
Ti 334.941	99.9805	99.7188	99.8304
Tl 190.794	38.7354	38.6129	38.6001
V 292.401	102.440	102.187	102.330
Zn 206.200	140.367	137.928	140.318

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5866b	ppb	0.1601	0.3	4075.82
Al 308.215	5290.17b	ppb	27.3453	0.5	21231.5
As 188.980	107.277b	ppb	5.0386	4.7	44.6508
B 249.678	214.006b	ppb	0.7120	0.3	3155.29
Ba 389.178	167.927b	ppb	0.1490	0.1	3790.25
Be 313.042	53.0837b	ppb	0.1225	0.2	96958.7
Ca 370.602	40899b	ppb	82.42	0.2	125831
Cd 226.502	53.5886b	ppb	0.1261	0.2	2160.64
Co 228.615	56.7512b	ppb	0.6187	1.1	748.237
Cr 267.716	103.710b	ppb	0.2517	0.2	5310.81
Cu 324.754	2775.19b	ppb	4.2907	0.2	126102
Fe 271.441	4929.44b	ppb	8.9761	0.2	9014.72
K 766.491	11214.9b	ppb	30.1635	0.3	424388
Mg 279.078	14275.7b	ppb	29.9265	0.2	32133.2
Mn 257.610	615.112b	ppb	2.7948	0.5	37174.8
Mo 202.032	100.922b	ppb	0.2670	0.3	801.819
Na 330.237	302975xb	ppb	615.375	0.2	15614.2
Ni 231.604	120.202b	ppb	1.2342	1.0	351.684
Pb 220.353	48.0725b	ppb	1.0505	2.2	127.263
Sb 206.834	52.3140b	ppb	1.7052	3.3	64.6334
Se 196.026	102.304b	ppb	3.7129	3.6	66.4450
Sn 189.925	197.111b	ppb	0.9065	0.5	180.750
Sr 216.596	223.559b	ppb	0.8818	0.4	2781.74
Ti 334.941	99.8432b	ppb	0.1313	0.1	29727.2
Tl 190.794	38.6495b	ppb	0.0747	0.2	26.0575
V 292.401	102.319b	ppb	0.1271	0.1	2853.47
Zn 206.200	139.537b	ppb	1.3944	1.0	220.162

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**680-90050-a-2-c msd (Samp) 5/9/2013, 11:40:41 AM Rack 4, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.7557	52.6513	52.5450
Al 308.215	5150.65	5150.19	5153.95
As 188.980	107.314	109.083	107.646
B 249.678	200.827	201.047	201.192
Ba 389.178	162.366	162.728	163.274
Be 313.042	51.6952	51.7789	51.6988
Ca 370.602	39216	39270	39211
Cd 226.502	52.3540	52.1329	52.3158
Co 228.615	55.7728	55.0591	55.6971
Cr 267.716	101.257	101.690	101.221
Cu 324.754	2661.05	2642.22	2669.27
Fe 271.441	4812.97	4813.47	4810.77
K 766.491	10737.8	10761.0	10799.0
Mg 279.078	13748.0	13756.1	13732.5
Mn 257.610	598.340	600.664	597.195
Mo 202.032	97.6938	97.8432	98.4945
Na 330.237	288791x	289191x	288860x
Ni 231.604	117.724	118.303	116.400
Pb 220.353	48.1170	48.1881	47.0527
Sb 206.834	48.5533	55.8618	48.3523
Se 196.026	104.620	95.9685	102.012
Sn 189.925	189.037	190.257	190.109
Sr 216.596	216.684	216.786	216.077
Ti 334.941	97.0315	97.7421	97.3022
Tl 190.794	36.5562	32.5048	35.7028
V 292.401	99.5093	99.4623	100.139
Zn 206.200	134.907	136.221	134.566

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6507b	ppb	0.1053	0.2	4004.12
Al 308.215	5151.60b	ppb	2.0478	0.0	20676.3
As 188.980	108.014b	ppb	0.9405	0.9	44.9791
B 249.678	201.022b	ppb	0.1840	0.1	2985.71
Ba 389.178	162.789b	ppb	0.4574	0.3	3673.86
Be 313.042	51.7243b	ppb	0.0474	0.1	94466.6
Ca 370.602	39232b	ppb	32.60	0.1	120698
Cd 226.502	52.2676b	ppb	0.1182	0.2	2108.35
Co 228.615	55.5096b	ppb	0.3920	0.7	732.078
Cr 267.716	101.389b	ppb	0.2611	0.3	5191.97
Cu 324.754	2657.51b	ppb	13.8708	0.5	120766
Fe 271.441	4812.41b	ppb	1.4343	0.0	8803.36
K 766.491	10766.0b	ppb	30.9166	0.3	407410
Mg 279.078	13745.5b	ppb	12.0117	0.1	30940.9
Mn 257.610	598.733b	ppb	1.7676	0.3	36188.3
Mo 202.032	98.0105b	ppb	0.4258	0.4	779.245
Na 330.237	288948xb	ppb	213.811	0.1	14893.8
Ni 231.604	117.476b	ppb	0.9754	0.8	343.577
Pb 220.353	47.7859b	ppb	0.6359	1.3	126.690
Sb 206.834	50.9225b	ppb	4.2788	8.4	62.9881
Se 196.026	100.867b	ppb	4.4381	4.4	65.6729
Sn 189.925	189.801b	ppb	0.6658	0.4	173.654
Sr 216.596	216.515b	ppb	0.3833	0.2	2694.58
Ti 334.941	97.3586b	ppb	0.3586	0.4	28986.3
Tl 190.794	34.9212b	ppb	2.1358	6.1	22.1439
V 292.401	99.7036b	ppb	0.3779	0.4	2780.39
Zn 206.200	135.231b	ppb	0.8737	0.6	213.380

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680-90043-d-1-a (Samp) 5/9/2013, 11:46:10 AM Rack 4, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1972	-0.0777u	0.0785
Al 308.215	478.284	473.791	478.517
As 188.980	-1.1195u	4.4204	-0.8171u
B 249.678	-3.3823u	-3.9651u	-4.4896u
Ba 389.178	16.6478	15.5877	16.6673
Be 313.042	0.0231	0.0236	0.0201
Ca 370.602	4821	4825	4836
Cd 226.502	0.3463	0.3320	0.3895
Co 228.615	-0.6028u	0.3272	0.2425
Cr 267.716	0.6470	0.5910	0.7255
Cu 324.754	110.772	111.426	112.531
Fe 271.441	340.606	338.297	345.856
K 766.491	4907.79	4901.83	4931.16
Mg 279.078	1505.08	1509.64	1519.03
Mn 257.610	18.4630	18.2582	18.3595
Mo 202.032	-0.1503u	-0.5620u	0.2181
Na 330.237	2261.00	2099.08	2314.55
Ni 231.604	65.3680	63.9620	67.0044
Pb 220.353	8.7434	9.7559	11.6730
Sb 206.834	2.0816	1.8466	3.2146
Se 196.026	-3.1489u	-1.9461u	-0.3011u
Sn 189.925	1.4833	-1.9163u	-0.4454u
Sr 216.596	16.0632	15.5638	15.6672
Ti 334.941	2.9121	2.9304	2.8847
Tl 190.794	-0.1608u	-3.8757u	-0.7554u
V 292.401	1.0921	1.1944	1.4959
Zn 206.200	305.885	307.290	308.751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0660	ppb	0.1379	208.9	-32.5368
Al 308.215	476.864	ppb	2.6640	0.6	1945.61
As 188.980	0.8279	ppb	3.1149	376.2	-4.6197
B 249.678	-3.9457	ppb	0.5539	14.0	312.158
Ba 389.178	16.3009	ppb	0.6178	3.8	360.693
Be 313.042	0.0223	ppb	0.0019	8.4	-334.871
Ca 370.602	4827	ppb	7.739	0.2	14881
Cd 226.502	0.3559	ppb	0.0300	8.4	51.5148
Co 228.615	-0.0110	ppb	0.5142	4668.9	8.4415
Cr 267.716	0.6545	ppb	0.0676	10.3	39.4319
Cu 324.754	111.576	ppb	0.8889	0.8	5324.91
Fe 271.441	341.586	ppb	3.8735	1.1	727.903
K 766.491	4913.59	ppb	15.5009	0.3	186104
Mg 279.078	1511.25	ppb	7.1130	0.5	3434.94
Mn 257.610	18.3603	ppb	0.1024	0.6	1251.75
Mo 202.032	-0.1647	ppb	0.3902	236.9	18.2158
Na 330.237	2224.88	ppb	112.188	5.0	169.577
Ni 231.604	65.4448	ppb	1.5227	2.3	188.765
Pb 220.353	10.0574	ppb	1.4879	14.8	51.3310
Sb 206.834	2.3809	ppb	0.7315	30.7	5.1907
Se 196.026	-1.7987	ppb	1.4296	79.5	10.7059
Sn 189.925	-0.2928	ppb	1.7049	582.3	-10.8315
Sr 216.596	15.7648	ppb	0.2636	1.7	210.966
Ti 334.941	2.9091	ppb	0.0230	0.8	840.836
Tl 190.794	-1.5973	ppb	1.9954	124.9	-15.3760
V 292.401	1.2608	ppb	0.2099	16.7	25.5014
Zn 206.200	307.309	ppb	1.4328	0.5	484.045

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**680-90036-e-1-a (Samp)**      **5/9/2013, 11:51:39 AM**      **Rack 4, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0624u	-0.1228u	0.1972u
Al 308.215	15.0326	17.9992	13.6192
As 188.980	-7.7019u	7.3584	0.9178
B 249.678	7.6424	8.4998	7.8369
Ba 389.178	138.887	139.286	138.672
Be 313.042	-0.0185u	-0.0166u	-0.0178u
Ca 370.602	36109	36015	36160
Cd 226.502	-0.1709u	-0.1589u	-0.0602u
Co 228.615	0.0411	-0.2563u	0.0905
Cr 267.716	0.4373	0.3805	0.2435
Cu 324.754	1177.74	1179.79	1167.81
Fe 271.441	58.3414	61.7199	57.3630
K 766.491	14034.7	14019.0	13997.4
Mg 279.078	7695.76	7680.89	7704.33
Mn 257.610	25.8567	25.5977	25.5104
Mo 202.032	-0.2575u	0.0551	-0.7650u
Na 330.237	69985.6	69943.6	70031.4
Ni 231.604	2.4506	2.0553	2.0769
Pb 220.353	-0.9361u	1.4233	-1.6667u
Sb 206.834	5.0513	1.1742	-2.1486u
Se 196.026	-5.5315u	-2.1247u	-5.5206u
Sn 189.925	0.0404	-0.9498u	-1.8509u
Sr 216.596	531.576	530.036	531.900
Ti 334.941	0.1131	0.0563	0.1388
Tl 190.794	-1.7828u	-4.8235u	-2.0196u
V 292.401	-0.1750u	0.0994	-0.2031u
Zn 206.200	40.9450	39.0822	39.8373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0456	ppb	0.1606	352.2	-58.3281
Al 308.215	15.5503	ppb	2.2354	14.4	97.9956
As 188.980	0.1914	ppb	7.5564	3947.4	-4.6659
B 249.678	7.9931	ppb	0.4495	5.6	468.618
Ba 389.178	138.948	ppb	0.3115	0.2	3118.23
Be 313.042	-0.0176	ppb	0.0010	5.6	-405.226
Ca 370.602	36095	ppb	73.26	0.2	111362
Cd 226.502	-0.1300	ppb	0.0607	46.7	31.1341
Co 228.615	-0.0416	ppb	0.1876	451.4	7.9915
Cr 267.716	0.3538	ppb	0.0996	28.2	25.2806
Cu 324.754	1175.11	ppb	6.4122	0.5	53548.2
Fe 271.441	59.1415	ppb	2.2860	3.9	218.359
K 766.491	14017.0	ppb	18.6916	0.1	530349
Mg 279.078	7693.66	ppb	11.8606	0.2	17340.0
Mn 257.610	25.6549	ppb	0.1801	0.7	1707.21
Mo 202.032	-0.3225	ppb	0.4139	128.3	17.0101
Na 330.237	69986.9	ppb	43.9430	0.1	3651.97
Ni 231.604	2.1943	ppb	0.2222	10.1	0.6932
Pb 220.353	-0.3932	ppb	1.6150	410.8	30.4544
Sb 206.834	1.3590	ppb	3.6035	265.2	3.9721
Se 196.026	-4.3923	ppb	1.9638	44.7	9.3223
Sn 189.925	-0.9201	ppb	0.9460	102.8	-11.3974
Sr 216.596	531.171	ppb	0.9959	0.2	6589.60
Ti 334.941	0.1027	ppb	0.0422	41.1	30.1393
Tl 190.794	-2.8753	ppb	1.6913	58.8	-16.7254
V 292.401	-0.0929	ppb	0.1671	179.9	-13.1684
Zn 206.200	39.9548	ppb	0.9369	2.3	63.2124



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**mb 680-275746/1-a (Samp)**      **5/9/2013, 11:57:07 AM**      **Rack 4, Tube 47**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0570	-0.3342u	-0.0208u
Al 308.215	0.8893	2.4353	4.5068
As 188.980	-2.2916u	-3.5375u	-0.5274u
B 249.678	-15.0841u	-14.9875u	-15.8295u
Ba 389.178	0.6646	-0.0320u	0.3825
Be 313.042	-0.0086u	-0.0007u	-0.0034u
Ca 370.602	-4.110u	-0.3307u	5.258
Cd 226.502	-0.1592u	-0.0536u	-0.1188u
Co 228.615	0.0664	0.3329	0.0489
Cr 267.716	0.2521	0.0307	0.0327
Cu 324.754	0.4004	-0.0633u	0.1270
Fe 271.441	-2.6508u	-4.9005u	-9.7489u
K 766.491	1.7348	1.1267	1.9564
Mg 279.078	-0.4285u	2.6389	1.6826
Mn 257.610	-0.1634u	-0.1792u	-0.2784u
Mo 202.032	-0.6864u	-1.0237u	-0.2447u
Na 330.237	94.3545	60.3158	30.1287
Ni 231.604	0.6961	0.7651	-1.0534u
Pb 220.353	-1.5526u	1.3127	3.8139
Sb 206.834	0.1294	0.5456	-0.6223u
Se 196.026	-0.2217u	-0.9257u	-6.9584u
Sn 189.925	-2.1372u	-1.0856u	0.0373
Sr 216.596	0.4303	0.1091	-0.0715u
Ti 334.941	-0.0872u	-0.0109u	0.0023
Tl 190.794	-2.0265u	0.9457	1.5215
V 292.401	0.0237	0.0380	-0.1084u
Zn 206.200	0.0702	-0.6011u	-0.4798u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0993	ppb	0.2071	208.6	-44.5935
Al 308.215	2.6105	ppb	1.8151	69.5	46.1507
As 188.980	-2.1188	ppb	1.5125	71.4	-6.0124
B 249.678	-15.3003	ppb	0.4608	3.0	164.171
Ba 389.178	0.3384	ppb	0.3504	103.6	-0.5303
Be 313.042	-0.0043	ppb	0.0040	94.2	-384.576
Ca 370.602	0.2726	ppb	4.713	1729.3	15.84
Cd 226.502	-0.1105	ppb	0.0533	48.2	31.9785
Co 228.615	0.1494	ppb	0.1591	106.5	10.4752
Cr 267.716	0.1052	ppb	0.1273	121.0	11.1751
Cu 324.754	0.1547	ppb	0.2331	150.7	272.691
Fe 271.441	-5.7667	ppb	3.6274	62.9	101.297
K 766.491	1.6060	ppb	0.4296	26.7	358.230
Mg 279.078	1.2977	ppb	1.5695	120.9	39.2369
Mn 257.610	-0.2070	ppb	0.0623	30.1	130.814
Mo 202.032	-0.6516	ppb	0.3906	59.9	14.4607
Na 330.237	61.5997	ppb	32.1321	52.2	60.9658
Ni 231.604	0.1359	ppb	1.0305	758.2	-5.4285
Pb 220.353	1.1914	ppb	2.6853	225.4	33.6120
Sb 206.834	0.0176	ppb	0.5919	3363.7	2.3799
Se 196.026	-2.7019	ppb	3.7030	137.0	10.2168
Sn 189.925	-1.0618	ppb	1.0874	102.4	-11.5805
Sr 216.596	0.1560	ppb	0.2542	163.0	18.4845
Ti 334.941	-0.0319	ppb	0.0483	151.3	-41.6086
Tl 190.794	0.1469	ppb	1.9041	1295.9	-13.4827
V 292.401	-0.0156	ppb	0.0807	517.6	-10.4772
Zn 206.200	-0.3369	ppb	0.3577	106.2	-0.2110

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

llcs 680-275746/2-a (Samp) 5/9/2013, 12:02:36 PM Rack 4, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.4355	10.8095	10.5110
Al 308.215	220.331	220.052	217.677
As 188.980	18.5258	25.7041	23.2116
B 249.678	84.6914	86.4512	85.6895
Ba 389.178	10.5029	11.3363	10.8681
Be 313.042	4.4836	4.4873	4.4318
Ca 370.602	528.5	530.0	522.6
Cd 226.502	5.6333	5.3667	5.4377
Co 228.615	10.4921	11.3341	11.1515
Cr 267.716	10.8065	11.2149	10.7207
Cu 324.754	23.2160	23.1099	22.6687
Fe 271.441	47.6987	53.8648	44.7322
K 766.491	1128.26	1133.87	1120.77
Mg 279.078	538.520	544.178	533.590
Mn 257.610	11.4023	11.3414	11.1838
Mo 202.032	10.1471	10.2784	10.4353
Na 330.237	1225.43	1130.54	1074.72
Ni 231.604	44.7586	44.1181	44.0491
Pb 220.353	10.0547	10.6634	10.7333
Sb 206.834	21.5716	18.9005	24.2422
Se 196.026	15.1435	17.1921	18.2664
Sn 189.925	50.2455	52.5471	53.1197
Sr 216.596	10.7966	10.4978	10.4583
Ti 334.941	10.4491	10.4880	10.3357
Tl 190.794	22.7847	30.2236	26.1107
V 292.401	11.1097	11.2241	10.9814
Zn 206.200	24.2382	25.9652	25.7885

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5853	ppb	0.1977	1.9	776.508
Al 308.215	219.353	ppb	1.4582	0.7	915.104
As 188.980	22.4805	ppb	3.6445	16.2	5.3231
B 249.678	85.6107	ppb	0.8826	1.0	1483.24
Ba 389.178	10.9024	ppb	0.4177	3.8	237.187
Be 313.042	4.4676	ppb	0.0310	0.7	7816.26
Ca 370.602	527.1	ppb	3.919	0.7	1639
Cd 226.502	5.4792	ppb	0.1381	2.5	252.183
Co 228.615	10.9925	ppb	0.4429	4.0	151.867
Cr 267.716	10.9141	ppb	0.2641	2.4	563.150
Cu 324.754	22.9982	ppb	0.2902	1.3	1308.66
Fe 271.441	48.7652	ppb	4.6588	9.6	201.568
K 766.491	1127.63	ppb	6.5756	0.6	42938.6
Mg 279.078	538.762	ppb	5.2979	1.0	1247.82
Mn 257.610	11.3092	ppb	0.1128	1.0	824.845
Mo 202.032	10.2869	ppb	0.1443	1.4	99.2771
Na 330.237	1143.56	ppb	76.1982	6.7	116.237
Ni 231.604	44.3086	ppb	0.3912	0.9	125.912
Pb 220.353	10.4838	ppb	0.3732	3.6	52.1491
Sb 206.834	21.5714	ppb	2.6709	12.4	27.9466
Se 196.026	16.8674	ppb	1.5866	9.4	20.6622
Sn 189.925	51.9708	ppb	1.5213	2.9	39.8516
Sr 216.596	10.5842	ppb	0.1850	1.7	146.223
Ti 334.941	10.4243	ppb	0.0791	0.8	3072.72
Tl 190.794	26.3730	ppb	3.7264	14.1	14.2539
V 292.401	11.1051	ppb	0.1214	1.1	301.038
Zn 206.200	25.3306	ppb	0.9502	3.8	401.611

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Verif (CCV) 5/9/2013, 12:08:05 PM Rack 4, Tube 49  
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	496.868	502.375	508.915
Al 308.215	5018.23	5032.04	5003.78
As 188.980	513.020	519.464	521.623
B 249.678	495.503	495.177	501.041
Ba 389.178	5158.43	5132.61	5143.44
Be 313.042	520.895	520.602	521.133
Ca 370.602	5053	5026	5022
Cd 226.502	516.785	513.236	516.067
Co 228.615	523.271	520.592	522.209
Cr 267.716	5173.32	5146.83	5165.35
Cu 324.754	5301.30	5245.28	5291.59
Fe 271.441	4980.39	4982.34	4977.46
K 766.491	10441.8	10406.7	10454.7
Mg 279.078	4989.76	4955.34	4971.38
Mn 257.610	5225.84	5173.99	5240.68
Mo 202.032	502.018	500.062	504.260
Na 330.237	7102.16	7345.06	7182.48
Ni 231.604	2594.67	2570.01	2590.61
Pb 220.353	494.065	485.283	492.176
Sb 206.834	1000.42	993.586	994.708
Se 196.026	4984.90	4965.61	4960.22
Sn 189.925	5006.65	5023.78	5023.82
Sr 216.596	2527.48	2507.62	2517.82
Ti 334.941	504.030	502.199	504.414
Tl 190.794	5039.20	5019.50	5018.32
V 292.401	5047.30	5022.59	5038.73
Zn 206.200	2564.33	2536.67	2560.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.720	ppb	6.0308	1.2	38552.6	100.54395
Al 308.215	5018.02	ppb	14.1321	0.3	20117.6	100.36040
As 188.980	518.036	ppb	4.4761	0.9	233.546	103.60713
B 249.678	497.240	ppb	3.2957	0.7	6857.66	19.88960Q
Ba 389.178	5144.82	ppb	12.9664	0.3	115055	102.89645
Be 313.042	520.877	ppb	0.2657	0.1	954837	104.17534
Ca 370.602	5034	ppb	17.01	0.3	15425	100.67686
Cd 226.502	515.363	ppb	1.8763	0.4	20338.4	103.07253
Co 228.615	522.024	ppb	1.3494	0.3	6831.36	104.40479
Cr 267.716	5161.83	ppb	13.5929	0.3	263602	103.23668
Cu 324.754	5279.39	ppb	29.9343	0.6	239614	105.58778
Fe 271.441	4980.06	ppb	2.4603	0.0	9231.05	99.60127
K 766.491	10434.4	ppb	24.8563	0.2	394871	104.34376
Mg 279.078	4972.16	ppb	17.2256	0.3	11128.7	99.44322
Mn 257.610	5213.50	ppb	35.0145	0.7	313669	104.27010
Mo 202.032	502.113	ppb	2.1003	0.4	3903.57	100.42268
Na 330.237	7209.90	ppb	123.750	1.7	402.681	96.13199
Ni 231.604	2585.10	ppb	13.2239	0.5	7680.61	103.40382
Pb 220.353	490.508	ppb	4.6224	0.9	1010.96	98.10158
Sb 206.834	996.239	ppb	3.6659	0.4	1242.02	99.62386
Se 196.026	4970.24	ppb	12.9747	0.3	2665.16	99.40488
Sn 189.925	5018.08	ppb	9.9046	0.2	4856.03	100.36165
Sr 216.596	2517.64	ppb	9.9309	0.4	31083.0	100.70566
Ti 334.941	503.548	ppb	1.1834	0.2	149849	100.70951
Tl 190.794	5025.67	ppb	11.7264	0.2	5298.48	100.51349
V 292.401	5036.21	ppb	12.5469	0.2	141883	100.72413
Zn 206.200	2553.91	ppb	15.0381	0.6	4004.64	102.15629

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

Cont Calib Blank (CCB) 5/9/2013, 12:13:33 PM Rack 4, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2073	0.1503	-0.3038u
Al 308.215	3.4628	-1.3242u	1.0855
As 188.980	6.2298	2.5999	-0.1781u
B 249.678	-8.9828u	-9.1516u	-9.7741u
Ba 389.178	-0.0801u	0.5022	0.6053
Be 313.042	-0.0019u	-0.0037u	-0.0000u
Ca 370.602	-5.656u	-4.658u	-1.966u
Cd 226.502	-0.2069u	-0.2542u	-0.0235u
Co 228.615	0.3207	0.0325	-0.1983u
Cr 267.716	0.1218	-0.0291u	0.1639
Cu 324.754	-0.4913u	-0.1568u	0.0822
Fe 271.441	-4.5176u	-5.4203u	-8.8061u
K 766.491	-0.9214u	-0.1194u	-0.1946u
Mg 279.078	2.1014	-0.0501u	-2.7628u
Mn 257.610	-0.2185u	-0.2099u	-0.2086u
Mo 202.032	-0.4514u	-0.3636u	-0.5336u
Na 330.237	2.2410	-43.1899u	26.5588
Ni 231.604	-0.6989u	0.2266	0.7739
Pb 220.353	-0.6171u	-0.3978u	-0.9070u
Sb 206.834	2.0336	3.9990	5.6591
Se 196.026	-6.4780u	3.1772	-1.2669u
Sn 189.925	3.4303	-0.7035u	1.3325
Sr 216.596	0.3747	0.1221	0.2960
Ti 334.941	-0.0793u	-0.0077u	0.0063
Tl 190.794	-0.9543u	1.9736	-2.1142u
V 292.401	0.1550	-0.0429u	0.2571
Zn 206.200	-0.4171u	-0.6007u	-0.3793u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0179	ppb	0.2801	1561.5	-35.5876	0.01794
Al 308.215	1.0747	ppb	2.3935	222.7	40.0237	1.07470
As 188.980	2.8839	ppb	3.2133	111.4	-3.7076	2.88386
B 249.678	-9.3028	ppb	0.4168	4.5	242.573	-9.30282
Ba 389.178	0.3425	ppb	0.3696	107.9	-0.4399	0.34246
Be 313.042	-0.0019	ppb	0.0018	98.7	-380.214	-0.00186
Ca 370.602	-4.093	ppb	1.908	46.6	2.432	-4.09330
Cd 226.502	-0.1615	ppb	0.1219	75.5	29.9686	-0.16153
Co 228.615	0.0516	ppb	0.2601	503.7	9.1861	0.05163
Cr 267.716	0.0855	ppb	0.1015	118.7	10.1669	0.08550
Cu 324.754	-0.1886	ppb	0.2880	152.7	257.131	-0.18862
Fe 271.441	-6.2480	ppb	2.2609	36.2	100.412	-6.24799
K 766.491	-0.4118	ppb	0.4429	107.6	281.928	-0.41181
Mg 279.078	-0.2372	ppb	2.4375	1027.8	35.7866	-0.23716
Mn 257.610	-0.2123	ppb	0.0054	2.5	130.491	-0.21233
Mo 202.032	-0.4495	ppb	0.0850	18.9	16.0278	-0.44953
Na 330.237	-4.7966	ppb	35.4029	738.1	57.5561	-4.79660
Ni 231.604	0.1005	ppb	0.7445	740.4	-5.5337	0.10055
Pb 220.353	-0.6406	ppb	0.2555	39.9	29.9529	-0.64065
Sb 206.834	3.8973	ppb	1.8149	46.6	6.9768	3.89726
Se 196.026	-1.5225	ppb	4.8327	317.4	10.8460	-1.52254
Sn 189.925	1.3531	ppb	2.0670	152.8	-9.2386	1.35308
Sr 216.596	0.2643	ppb	0.1293	48.9	19.7993	0.26429
Ti 334.941	-0.0269	ppb	0.0459	170.7	-40.1033	-0.02689
Tl 190.794	-0.3650	ppb	2.1067	577.2	-14.0242	-0.36495
V 292.401	0.1231	ppb	0.1525	123.9	-6.6130	0.12309
Zn 206.200	-0.4657	ppb	0.1485	545.4	0.4137	-0.46570

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

ics 680-275746/4-a (Samp)      5/9/2013, 12:19:02 PM      Rack 4, Tube 51  
 Weight: 1      Volume: 1      Dilution: 1

Label	Replicates Concentration		
Ag 328.068	21.5479	21.4762	21.7792
Al 308.215	2128.94	2131.23	2133.96
As 188.980	51.0016	35.2012	39.6442
B 249.678	68.8741	69.2482	69.5098
Ba 389.178	44.1755	43.3928	43.6095
Be 313.042	22.4776	22.4128	22.4513
Ca 370.602	2071	2071	2069
Cd 226.502	22.4621	22.2213	22.0748
Co 228.615	22.8940	22.9534	21.9051
Cr 267.716	44.3054	44.1788	44.2299
Cu 324.754	46.2452	45.9040	46.0473
Fe 271.441	2106.06	2104.43	2108.95
K 766.491	2204.88	2200.18	2204.11
Mg 279.078	2138.53	2131.39	2137.15
Mn 257.610	224.883	223.222	223.283
Mo 202.032	41.6501	40.8069	41.7688
Na 330.237	2123.77	2074.42	2021.79
Ni 231.604	44.2014	44.3738	44.8940
Pb 220.353	21.1290	19.8113	22.0453
Sb 206.834	20.7107	25.8285	23.7252
Se 196.026	39.3395	36.4236	34.9286
Sn 189.925	80.8198	89.7071	83.0145
Sr 216.596	42.7354	42.8960	43.8020
Ti 334.941	42.2796	42.1604	42.1683
Tl 190.794	20.1492	13.8684	17.4368
V 292.401	43.4666	43.4611	43.1686
Zn 206.200	44.4906	45.5030	43.7169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.6011	ppb	0.1584	0.7	1623.12
Al 308.215	2131.38	ppb	2.5096	0.1	8575.45
As 188.980	41.9490	ppb	8.1485	19.4	14.2830
B 249.678	69.2107	ppb	0.3195	0.5	1266.17
Ba 389.178	43.7259	ppb	0.4042	0.9	978.168
Be 313.042	22.4472	ppb	0.0326	0.1	40791.8
Ca 370.602	2070	ppb	1.235	0.1	6248
Cd 226.502	22.2528	ppb	0.1956	0.9	919.316
Co 228.615	22.5842	ppb	0.5888	2.6	302.902
Cr 267.716	44.2380	ppb	0.0637	0.1	2266.20
Cu 324.754	46.0655	ppb	0.1714	0.4	2355.63
Fe 271.441	2106.48	ppb	2.2882	0.1	3915.91
K 766.491	2203.06	ppb	2.5213	0.1	83605.7
Mg 279.078	2135.69	ppb	3.7891	0.2	4835.63
Mn 257.610	223.796	ppb	0.9419	0.4	13608.4
Mo 202.032	41.4086	ppb	0.5244	1.3	340.488
Na 330.237	2073.33	ppb	51.0003	2.5	162.561
Ni 231.604	44.4897	ppb	0.3606	0.8	126.500
Pb 220.353	20.9952	ppb	1.1230	5.3	73.1631
Sb 206.834	23.4215	ppb	2.5723	11.0	30.2532
Se 196.026	36.8972	ppb	2.2433	6.1	31.4210
Sn 189.925	84.5138	ppb	4.6294	5.5	71.4131
Sr 216.596	43.1445	ppb	0.5751	1.3	548.720
Ti 334.941	42.2028	ppb	0.0666	0.2	12538.0
Tl 190.794	17.1515	ppb	3.1501	18.4	4.0555
V 292.401	43.3654	ppb	0.1705	0.4	1204.72
Zn 206.200	44.5702	ppb	0.8957	2.0	705646

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89860-a-1-a (Samp)

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Rack 4, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2191	0.0675u	0.4184
Al 308.215	0.7950	3.5436	3.6763
As 188.980	-4.8958u	-8.2606u	2.3558
B 249.678	-8.6585u	-7.9504u	-8.3285u
Ba 389.178	59.5294	59.2597	59.6331
Be 313.042	-0.0062u	-0.0129u	-0.0185u
Ca 370.602	39763	40002	39864
Cd 226.502	-0.1873u	-0.5345u	-0.2126u
Co 228.615	-0.4528u	-0.4830u	-0.2827u
Cr 267.716	-0.0074u	0.0780	0.1823
Cu 324.754	23.2003	24.9987	24.0329
Fe 271.441	0.8137	-1.7018u	3.4886
K 766.491	2840.48	2841.50	2823.40
Mg 279.078	18613.8	18670.1	18587.2
Mn 257.610	-0.5905	-0.4668	-0.4674
Mo 202.032	-0.2499u	-0.9114u	-0.4066u
Na 330.237	17615.9	17498.8	17587.7
Ni 231.604	1.4400	1.4487	1.6912
Pb 220.353	-0.5355u	1.8327	4.4418
Sb 206.834	1.8503	2.8075	-0.4381u
Se 196.026	-0.0077u	-0.2136u	-1.0766u
Sn 189.925	0.2273	0.6632	1.5909
Sr 216.596	207.407	208.626	206.914
Ti 334.941	-0.2984u	-0.2514	-0.1962
Tl 190.794	0.3576	-2.8972u	-1.0711u
V 292.401	6.6515	6.8566	6.7827
Zn 206.200	34.4225	35.0097	32.7685

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2350	ppb	0.1760	74.9	-28.9334
Al 308.215	2.6716	ppb	1.6266	60.9	46.3227
As 188.980	-3.6002	ppb	5.4255	150.7	-6.3831
B 249.678	-8.3125	ppb	0.3543	4.3	255.516
Ba 389.178	59.4741	ppb	0.1928	0.3	1369.05
Be 313.042	-0.0126	ppb	0.0062	49.1	-389.213
Ca 370.602	39876	ppb	119.7	0.3	123032
Cd 226.502	-0.3115	ppb	0.1936	62.2	24.2407
Co 228.615	-0.4061	ppb	0.1080	26.6	3.2230
Cr 267.716	0.0843	ppb	0.0950	112.7	10.3596
Cu 324.754	24.0773	ppb	0.9000	3.7	1357.34
Fe 271.441	0.8668	ppb	2.5956	299.4	113.221
K 766.491	2835.13	ppb	10.1701	0.4	107507
Mg 279.078	18623.7	ppb	42.3363	0.2	41923.7
Mn 257.610	-0.5082	ppb	0.0712	14.0	164.020
Mo 202.032	-0.5226	ppb	0.3457	66.1	15.4469
Na 330.237	17567.5	ppb	61.1332	0.3	959.802
Ni 231.604	1.5267	ppb	0.1426	9.3	-1.2932
Pb 220.353	1.9130	ppb	2.4896	130.1	35.0533
Sb 206.834	1.4066	ppb	1.6677	118.6	4.0252
Se 196.026	-0.4326	ppb	0.5671	131.1	11.4277
Sn 189.925	0.8272	ppb	0.6964	84.2	-9.7220
Sr 216.596	207.649	ppb	0.8812	0.4	2589.16
Ti 334.941	-0.2487	ppb	0.0512	20.6	-17.3940
Tl 190.794	-1.2036	ppb	1.6314	135.5	-14.9092
V 292.401	6.7636	ppb	0.1039	1.5	181.164
Zn 206.200	34.0669	ppb	1.1621	3.4	53.9397

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89860-a-2-a (Samp) 5/9/2013, 12:29:59 PM Rack 4, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0575u	-0.1951u	0.1389
Al 308.215	5.5228	4.5648	1.9692
As 188.980	8.4940	-2.8151u	6.6205
B 249.678	-7.3704u	-6.5117u	-6.2747u
Ba 389.178	23.4608	22.0286	22.3980
Be 313.042	-0.0105u	-0.0157u	-0.0197u
Ca 370.602	21201	21224	21257
Cd 226.502	-0.3501u	-0.3884u	-0.3780u
Co 228.615	-0.5986u	-0.2809u	0.5308
Cr 267.716	0.1296	0.3833	0.2153
Cu 324.754	1.3552	2.0881	2.0828
Fe 271.441	-4.0968u	-1.6713u	-3.2658u
K 766.491	3616.57	3604.31	3587.16
Mg 279.078	7622.82	7637.83	7645.34
Mn 257.610	-0.4325u	-0.1861	-0.1431
Mo 202.032	0.2370	0.5852	0.1226
Na 330.237	14790.2	14924.3	14820.5
Ni 231.604	1.6658	0.1035	-0.3146u
Pb 220.353	0.5217	-1.5013u	-1.4986u
Sb 206.834	1.6742	1.2481	-3.1294u
Se 196.026	-11.6406u	-4.1120u	0.0330
Sn 189.925	3.1160	-1.4543u	0.7042
Sr 216.596	124.111	124.481	124.038
Ti 334.941	-0.1106	-0.0960	-0.1345u
Tl 190.794	-2.9910u	-2.9127u	-1.0973u
V 292.401	10.5025	10.4470	10.7368
Zn 206.200	2.8874	2.7515	3.1213

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0379	ppb	0.1678	442.8	-45.7634
Al 308.215	4.0189	ppb	1.8386	45.7	51.7354
As 188.980	4.0998	ppb	6.0613	147.8	-2.9813
B 249.678	-6.7189	ppb	0.5765	8.6	276.355
Ba 389.178	22.6291	ppb	0.7436	3.3	517.305
Be 313.042	-0.0153	ppb	0.0046	30.2	-400.127
Ca 370.602	21227	ppb	27.76	0.1	65501
Cd 226.502	-0.3722	ppb	0.0198	5.3	21.7062
Co 228.615	-0.1162	ppb	0.5825	501.1	6.9798
Cr 267.716	0.2427	ppb	0.1290	53.2	18.3661
Cu 324.754	1.8420	ppb	0.4216	22.9	349.124
Fe 271.441	-3.0113	ppb	1.2326	40.9	106.306
K 766.491	3602.68	ppb	14.7712	0.4	136532
Mg 279.078	7635.33	ppb	11.4660	0.2	17209.3
Mn 257.610	-0.2539	ppb	0.1562	61.5	149.034
Mo 202.032	0.3149	ppb	0.2410	76.5	21.9360
Na 330.237	14845.0	ppb	70.3483	0.5	820.210
Ni 231.604	0.4849	ppb	1.0439	215.3	-4.3908
Pb 220.353	-0.8260	ppb	1.1672	141.3	29.5819
Sb 206.834	-0.0690	ppb	2.6589	3851.3	2.2659
Se 196.026	-5.2399	ppb	5.9179	112.9	8.8626
Sn 189.925	0.7886	ppb	2.2863	289.9	-9.7696
Sr 216.596	124.210	ppb	0.2371	0.2	1555.09
Ti 334.941	-0.1137	ppb	0.0194	17.1	-30.2039
Tl 190.794	-2.3337	ppb	1.0714	45.9	-16.1027
V 292.401	10.5621	ppb	0.1538	1.5	288.235
Zn 206.200	2.9201	ppb	0.1870	6.4	4.9152

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

680-89860-a-3-a (Samp) 5/9/2013, 12:35:28 PM Rack 4, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0970u	0.4969	0.0774
Al 308.215	12.3056	13.1369	16.4451
As 188.980	2.7111	3.8362	1.4738
B 249.678	-12.0612u	-13.1390u	-12.4071u
Ba 389.178	65.3143	64.6724	64.3647
Be 313.042	-0.0074u	-0.0091u	-0.0049u
Ca 370.602	12300	12293	12265
Cd 226.502	-0.3546u	-0.3292u	-0.2941u
Co 228.615	0.5883	-0.1940u	0.0032
Cr 267.716	0.2656	0.2968	0.2684
Cu 324.754	2.5728	2.4207	2.2726
Fe 271.441	11.4397	12.7712	8.2197
K 766.491	2248.64	2241.29	2251.05
Mg 279.078	4431.16	4438.88	4433.27
Mn 257.610	2.9878	2.8093	3.2811
Mo 202.032	-0.8212u	-0.0911u	-0.7471u
Na 330.237	10884.6	10767.7	10925.1
Ni 231.604	0.2342	1.3825	0.6799
Pb 220.353	-1.2866u	0.6930	-1.2441u
Sb 206.834	3.8891	3.3339	1.3121
Se 196.026	-3.7890u	-9.5419u	3.7995
Sn 189.925	-0.5707u	1.8808	-2.3294u
Sr 216.596	122.338	122.656	122.697
Ti 334.941	0.1527	0.1454	0.1699
Tl 190.794	-2.0261u	-1.6157u	-1.8252u
V 292.401	6.7658	6.6872	6.6621
Zn 206.200	28.7535	27.7854	27.7767

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1591	ppb	0.3053	191.9	-30.4611
Al 308.215	13.9625	ppb	2.1898	15.7	91.5445
As 188.980	2.6737	ppb	1.1817	44.2	-3.7085
B 249.678	-12.5358	ppb	0.5503	4.4	200.293
Ba 389.178	64.7838	ppb	0.4845	0.7	1451.68
Be 313.042	-0.0071	ppb	0.0021	29.8	-387.401
Ca 370.602	12286	ppb	18.26	0.1	37916
Cd 226.502	-0.3260	ppb	0.0304	9.3	23.5527
Co 228.615	0.1325	ppb	0.4069	307.0	10.2589
Cr 267.716	0.2769	ppb	0.0173	6.2	20.0970
Cu 324.754	2.4220	ppb	0.1501	6.2	375.444
Fe 271.441	10.8102	ppb	2.3401	21.6	131.251
K 766.491	2246.99	ppb	5.0823	0.2	85267.1
Mg 279.078	4434.44	ppb	3.9919	0.1	10010.0
Mn 257.610	3.0261	ppb	0.2382	7.9	337.457
Mo 202.032	-0.5532	ppb	0.4018	72.6	15.2098
Na 330.237	10859.1	ppb	81.7113	0.8	615.299
Ni 231.604	0.7655	ppb	0.5789	75.6	-3.5560
Pb 220.353	-0.6126	ppb	1.1308	184.6	30.0101
Sb 206.834	2.8450	ppb	1.3562	47.7	5.7336
Se 196.026	-3.1772	ppb	6.6917	210.6	9.9642
Sn 189.925	-0.3398	ppb	2.1146	622.3	-10.8700
Sr 216.596	122.563	ppb	0.1965	0.2	1533.69
Ti 334.941	0.1560	ppb	0.0126	8.1	34.9074
Tl 190.794	-1.8223	ppb	0.2052	11.3	-15.5693
V 292.401	6.7050	ppb	0.0541	0.8	179.375
Zn 206.200	28.1052	ppb	0.5614	2.0	44.5568



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680-89860-a-4-a (Samp) 5/9/2013, 12:40:57 PM Rack 4, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3477	-0.3814u	0.0308u
Al 308.215	15.2039	17.8167	15.8094
As 188.980	28.3915	33.0789	33.1816
B 249.678	20.2257	20.0752	20.1158
Ba 389.178	556.660	557.094	558.972
Be 313.042	-0.0113u	-0.0137u	-0.0102u
Ca 370.602	21140	21068	21181
Cd 226.502	-0.2535u	-0.2022u	-0.1489u
Co 228.615	0.2051	0.5126	0.4681
Cr 267.716	0.1521	0.1128	-0.0233
Cu 324.754	0.6804	-0.0127u	0.1890
Fe 271.441	452.262	451.076	458.688
K 766.491	7996.09	8042.38	8109.81
Mg 279.078	15143.2	15105.8	15182.6
Mn 257.610	850.480	851.817	856.594
Mo 202.032	7.2665	7.3547	7.6532
Na 330.237	26239.5	26173.0	26177.0
Ni 231.604	-0.0491u	2.7923	1.7786
Pb 220.353	0.4792	-1.0127u	0.9076
Sb 206.834	0.5116	1.1276	-0.7953u
Se 196.026	-6.1147u	-1.3623u	-7.5904u
Sn 189.925	1.9630	2.9067	1.9487
Sr 216.596	290.976	289.997	291.334
Ti 334.941	0.1673	0.1668	0.1960
Tl 190.794	-1.7403u	0.8063u	2.4431
V 292.401	0.0407u	0.4781	0.1403
Zn 206.200	0.3631	1.5982	1.3946

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0009	ppb	0.3656	38735.0	-46.7802
Al 308.215	16.2767	ppb	1.3676	8.4	101.624
As 188.980	31.5507	ppb	2.7364	8.7	9.6604
B 249.678	20.1389	ppb	0.0778	0.4	626.862
Ba 389.178	557.576	ppb	1.2285	0.2	12497.6
Be 313.042	-0.0117	ppb	0.0018	15.0	-396.579
Ca 370.602	21130	ppb	57.24	0.3	65188
Cd 226.502	-0.2015	ppb	0.0523	26.0	29.9883
Co 228.615	0.3953	ppb	0.1662	42.0	13.3792
Cr 267.716	0.0805	ppb	0.0920	114.3	14.5049
Cu 324.754	0.2856	ppb	0.3565	124.8	278.949
Fe 271.441	454.009	ppb	4.0951	0.9	930.777
K 766.491	8049.43	ppb	57.1864	0.7	304685
Mg 279.078	15143.8	ppb	38.4053	0.3	34082.2
Mn 257.610	852.963	ppb	3.2141	0.4	51477.2
Mo 202.032	7.4248	ppb	0.2026	2.7	77.0777
Na 330.237	26196.5	ppb	37.3036	0.1	1403.00
Ni 231.604	1.5072	ppb	1.4400	95.5	-1.3403
Pb 220.353	0.1247	ppb	1.0081	808.4	31.6947
Sb 206.834	0.2813	ppb	0.9820	349.1	2.5765
Se 196.026	-5.0225	ppb	3.2545	64.8	9.2134
Sn 189.925	2.2728	ppb	0.5490	24.2	-8.3258
Sr 216.596	290.769	ppb	0.6924	0.2	3614.74
Ti 334.941	0.1767	ppb	0.0167	9.5	91.6451
Tl 190.794	0.5030	ppb	2.1081	419.1	-14.4836
V 292.401	0.2197	ppb	0.2293	104.4	-5.4600
Zn 206.200	1.1186	ppb	0.6622	59.2	2.1298

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680-89929-b-1-a (Samp) 5/9/2013, 12:46:25 PM Rack 4, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5505	0.0413u	0.3223
Al 308.215	311.700	315.822	314.947
As 188.980	-1.7185u	-2.0663u	-0.1268
B 249.678	-18.1270u	-17.4564u	-18.0503u
Ba 389.178	0.9579	0.4650	0.6051
Be 313.042	0.4659	0.4669	0.4657
Ca 370.602	15913	15900	15890
Cd 226.502	-0.2077u	-0.4888u	-0.3940u
Co 228.615	0.1979	0.0900	0.2161
Cr 267.716	0.4040	0.2960	0.2094
Cu 324.754	1.9228	1.3740	1.7195
Fe 271.441	497.260	496.751	500.134
K 766.491	633.582	636.895	634.187
Mg 279.078	2021.74	2017.30	2014.85
Mn 257.610	43.5357	43.5573	43.7429
Mo 202.032	-0.7281u	-0.5176u	-0.4948u
Na 330.237	11306.8	11633.0	11676.7
Ni 231.604	0.2337	-0.0230u	-0.4352u
Pb 220.353	2.6307	0.2953	-0.8404u
Sb 206.834	-0.0016	-0.2025u	-1.1144u
Se 196.026	-2.5436u	3.2885	-2.4907u
Sn 189.925	-0.9210u	-2.2469u	1.0459
Sr 216.596	143.927	144.154	143.710
Ti 334.941	4.9214	4.9754	5.0409
Tl 190.794	0.7620	-1.9542u	4.0182
V 292.401	2.1347	2.2770	2.0139
Zn 206.200	1.5947	2.9299	2.1506

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3047	ppb	0.2551	83.7	-20.0805
Al 308.215	314.156	ppb	2.1714	0.7	1293.92
As 188.980	-1.3039	ppb	1.0341	79.3	-5.5168
B 249.678	-17.8779	ppb	0.3670	2.1	129.818
Ba 389.178	0.6760	ppb	0.2539	37.6	12.8472
Be 313.042	0.4662	ppb	0.0006	0.1	482.312
Ca 370.602	15901	ppb	11.68	0.1	49032
Cd 226.502	-0.3635	ppb	0.1430	39.3	23.6751
Co 228.615	0.1680	ppb	0.0682	40.6	10.8383
Cr 267.716	0.3031	ppb	0.0975	32.2	21.8182
Cu 324.754	1.6721	ppb	0.2774	16.6	341.618
Fe 271.441	498.048	ppb	1.8243	0.4	1010.20
K 766.491	634.888	ppb	1.7641	0.3	24305.6
Mg 279.078	2017.96	ppb	3.4911	0.2	4574.25
Mn 257.610	43.6119	ppb	0.1139	0.3	2771.76
Mo 202.032	-0.5802	ppb	0.1286	22.2	14.9834
Na 330.237	11538.8	ppb	202.164	1.8	650.121
Ni 231.604	-0.0748	ppb	0.3374	450.9	-6.0431
Pb 220.353	0.6952	ppb	1.7697	254.6	32.6357
Sb 206.834	-0.4395	ppb	0.5930	134.9	1.8540
Se 196.026	-0.5819	ppb	3.3520	576.0	11.3630
Sn 189.925	-0.7074	ppb	1.6568	234.2	-11.2244
Sr 216.596	143.930	ppb	0.2222	0.2	1798.60
Ti 334.941	4.9792	ppb	0.0599	1.2	1458.64
Tl 190.794	0.9420	ppb	2.9903	317.4	-12.7368
V 292.401	2.1419	ppb	0.1317	6.1	50.4404
Zn 206.200	2.2251	ppb	0.6797	30.1	2.8758

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660-53889-t-1-b (Samp) 5/9/2013, 12:51:54 PM Rack 4, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2208	-0.0382u	-0.2518u
Al 308.215	13.5225	15.4253	16.9574
As 188.980	-8.2624u	-5.0719u	-4.0469u
B 249.678	183.020	182.556	184.355
Ba 389.178	6.9330	7.7526	8.0894
Be 313.042	-0.0246u	-0.0196u	-0.0208u
Ca 370.602	41560	41645	41580
Cd 226.502	-0.0602u	-0.1532u	-0.0812u
Co 228.615	-0.3406u	-0.1165u	-0.0074u
Cr 267.716	0.3182	0.2629	0.1165
Cu 324.754	2.1778	2.1498	1.8966
Fe 271.441	47.1212	41.9926	47.7054
K 766.491	15731.9	15688.6	15685.6
Mg 279.078	9374.45	9372.90	9367.52
Mn 257.610	9.8502	9.5612	9.5386
Mo 202.032	50.1505	50.1879	49.6935
Na 330.237	83536.9	83368.7	83058.4
Ni 231.604	1.9515	4.0165	2.7074
Pb 220.353	4.0199	1.0700	-1.6164u
Sb 206.834	2.3818	0.0482u	0.8059
Se 196.026	-1.7968u	5.0974	-1.9622u
Sn 189.925	-2.6434u	0.6005	-3.0327u
Sr 216.596	88.6361	88.6195	88.8569
Ti 334.941	-0.0495	-0.0190	-0.0920
Tl 190.794	-2.1342u	-0.8922u	-2.2511u
V 292.401	1.5173	1.4116	1.3435
Zn 206.200	37.6582	36.5976	37.2806

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0231	ppb	0.2367	1025.9	-43.0474
Al 308.215	15.3017	ppb	1.7208	11.2	101.677
As 188.980	-5.7937	ppb	2.1985	37.9	-7.3913
B 249.678	183.310	ppb	0.9341	0.5	2760.44
Ba 389.178	7.5917	ppb	0.5947	7.8	185.794
Be 313.042	-0.0217	ppb	0.0026	12.1	-420.262
Ca 370.602	41595	ppb	44.40	0.1	128331
Cd 226.502	-0.0982	ppb	0.0488	49.7	32.2872
Co 228.615	-0.1548	ppb	0.1699	109.7	4.5867
Cr 267.716	0.2325	ppb	0.1042	44.8	19.2447
Cu 324.754	2.0747	ppb	0.1549	7.5	361.029
Fe 271.441	45.6064	ppb	3.1432	6.9	193.978
K 766.491	15702.0	ppb	25.9019	0.2	594065
Mg 279.078	9371.63	ppb	3.6357	0.0	21114.3
Mn 257.610	9.6500	ppb	0.1737	1.8	749.371
Mo 202.032	50.0106	ppb	0.2753	0.6	407.403
Na 330.237	83321.3	ppb	242.746	0.3	4336.85
Ni 231.604	2.8918	ppb	1.0447	36.1	2.7669
Pb 220.353	1.1578	ppb	2.8191	243.5	33.4666
Sb 206.834	1.0786	ppb	1.1905	110.4	2.8171
Se 196.026	0.4461	ppb	4.0289	903.1	11.8996
Sn 189.925	-1.6919	ppb	1.9948	117.9	-12.1379
Sr 216.596	88.7041	ppb	0.1325	0.1	1116.28
Ti 334.941	-0.0535	ppb	0.0367	68.6	-9.3259
Tl 190.794	-1.7592	ppb	0.7531	42.8	-15.5414
V 292.401	1.4241	ppb	0.0876	6.2	19.3743
Zn 206.200	37.1788	ppb	0.5376	1.4	58.8420

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660-53889-t-1-c ms (Samp)

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Rack 4, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	22.1226	22.0219	22.1188
Al 308.215	2204.61	2213.84	2221.66
As 188.980	44.8507	43.4191	54.8307
B 249.678	274.081	274.470	275.532
Ba 389.178	52.1025	52.3726	52.7430
Be 313.042	22.8880	22.9163	22.8689
Ca 370.602	44113	44206	44146
Cd 226.502	22.5194	22.4658	22.3187
Co 228.615	21.9893	22.6591	22.1291
Cr 267.716	44.9201	44.8779	45.2259
Cu 324.754	49.4831	49.7641	49.5779
Fe 271.441	2178.99	2170.75	2179.02
K 766.491	18400.3	18322.9	18360.9
Mg 279.078	11634.5	11660.9	11635.4
Mn 257.610	238.416	237.020	235.761
Mo 202.032	93.6299	93.7716	94.0768
Na 330.237	86776.3	86502.4	86800.2
Ni 231.604	46.5082	45.6476	45.4635
Pb 220.353	19.3208	22.0989	20.8514
Sb 206.834	24.8100	17.3502	23.0094
Se 196.026	45.8731	46.9853	34.6420
Sn 189.925	80.5561	80.3051	83.5750
Sr 216.596	133.778	133.826	133.695
Ti 334.941	42.5309	42.4731	42.4475
Tl 190.794	13.8367	13.6258	12.9340
V 292.401	46.1064	45.4740	45.4847
Zn 206.200	81.6979	79.1952	81.6640

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.0878	ppb	0.0571	0.3	1656.12
Al 308.215	2213.37	ppb	8.5354	0.4	8908.74
As 188.980	47.7001	ppb	6.2166	13.0	17.2504
B 249.678	274.694	ppb	0.7512	0.3	3952.26
Ba 389.178	52.4060	ppb	0.3216	0.6	1196.80
Be 313.042	22.8911	ppb	0.0239	0.1	41601.8
Ca 370.602	44155	ppb	46.92	0.1	136073
Cd 226.502	22.4346	ppb	0.1039	0.5	926.363
Co 228.615	22.2592	ppb	0.3533	1.6	296.664
Cr 267.716	45.0080	ppb	0.1899	0.4	2307.12
Cu 324.754	49.6084	ppb	0.1430	0.3	2517.61
Fe 271.441	2176.26	ppb	4.7656	0.2	4041.79
K 766.491	18361.4	ppb	38.7284	0.2	694629
Mg 279.078	11643.6	ppb	15.0085	0.1	26220.1
Mn 257.610	237.066	ppb	1.3282	0.6	14432.5
Mo 202.032	93.8261	ppb	0.2284	0.2	747.042
Na 330.237	86693.0	ppb	165.507	0.2	4508.28
Ni 231.604	45.8731	ppb	0.5576	1.2	130.615
Pb 220.353	20.7570	ppb	1.3915	6.7	72.6070
Sb 206.834	21.7232	ppb	3.8927	17.9	27.3912
Se 196.026	42.5001	ppb	6.8280	16.1	34.4143
Sn 189.925	81.4787	ppb	1.8198	2.2	68.5241
Sr 216.596	133.766	ppb	0.0664	0.0	1672.15
Ti 334.941	42.4838	ppb	0.0427	0.1	12661.0
Tl 190.794	13.4655	ppb	0.4722	3.5	0.1092
V 292.401	45.6884	ppb	0.3620	0.8	1259.00
Zn 206.200	80.8524	ppb	1.4352	1.8	127.676

660-53889-t-1-d msd (Samp) 5/9/2013, 1:02:52 PM Rack 4, Tube 59

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	22.4750	22.2726	22.4587
Al 308.215	2234.82	2236.31	2236.78
As 188.980	49.6368	49.4272	55.0203
B 249.678	278.281	280.281	282.197
Ba 389.178	52.9567	52.8722	52.6787
Be 313.042	23.1531	23.1143	23.0890
Ca 370.602	44593	44522	44503
Cd 226.502	22.6437	22.4994	22.5091
Co 228.615	22.2361	22.8228	22.5501
Cr 267.716	45.0854	45.2831	45.4499
Cu 324.754	50.2158	50.2414	50.0642
Fe 271.441	2198.08	2194.27	2199.67
K 766.491	18604.9	18601.9	18597.1
Mg 279.078	11762.0	11765.3	11735.7
Mn 257.610	238.031	240.736	239.091
Mo 202.032	93.6657	94.6232	94.9245
Na 330.237	87854.5	88028.5	87743.9
Ni 231.604	47.0503	47.6102	47.8498
Pb 220.353	20.7165	20.0341	21.5666
Sb 206.834	22.8146	24.9009	20.4124
Se 196.026	47.6336	40.9121	41.1412
Sn 189.925	86.6972	86.1991	84.2422
Sr 216.596	134.605	134.910	135.357
Ti 334.941	43.0178	43.0484	42.9290
Tl 190.794	15.5808	11.6570	14.0236
V 292.401	46.4368	46.0349	45.8485
Zn 206.200	82.7619	84.5421	83.9140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.4021	ppb	0.1125	0.5	1680.25
Al 308.215	2235.97	ppb	1.0261	0.0	8999.30
As 188.980	51.3614	ppb	3.1704	6.2	18.9408
B 249.678	280.253	ppb	1.9581	0.7	4024.89
Ba 389.178	52.8359	ppb	0.1425	0.3	1206.73
Be 313.042	23.1188	ppb	0.0323	0.1	42019.5
Ca 370.602	44539	ppb	47.23	0.1	137258
Cd 226.502	22.5507	ppb	0.0806	0.4	930.997
Co 228.615	22.5364	ppb	0.2936	1.3	300.278
Cr 267.716	45.2728	ppb	0.1824	0.4	2320.68
Cu 324.754	50.1738	ppb	0.0958	0.2	2543.26
Fe 271.441	2197.34	ppb	2.7738	0.1	4079.88
K 766.491	18601.3	ppb	3.9365	0.0	703703
Mg 279.078	11754.4	ppb	16.2297	0.1	26469.2
Mn 257.610	239.286	ppb	1.3630	0.6	14566.4
Mo 202.032	94.4045	ppb	0.6573	0.7	751.526
Na 330.237	87875.6	ppb	143.469	0.2	4568.99
Ni 231.604	47.5034	ppb	0.4103	0.9	135.463
Pb 220.353	20.7724	ppb	0.7678	3.7	72.6377
Sb 206.834	22.7093	ppb	2.2461	9.9	28.5607
Se 196.026	43.2290	ppb	3.8163	8.8	34.8040
Sn 189.925	85.7128	ppb	1.2977	1.5	72.6311
Sr 216.596	134.958	ppb	0.3784	0.3	1686.91
Ti 334.941	42.9984	ppb	0.0620	0.1	12814.6
Tl 190.794	13.7538	ppb	1.9757	14.4	0.4095
V 292.401	46.1067	ppb	0.3007	0.7	1270.72
Zn 206.200	83.7393	ppb	0.9929	1.1	132.222

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**560-39643-b-1-b (Samp)**                      **5/9/2013, 1:08:20 PM**                      **Rack 4, Tube 60****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4448u	-0.1308u	0.4283
Al 308.215	5.9071	8.5535	5.0972
As 188.980	-7.0375u	0.6581	3.6257
B 249.678	16.4080	16.5313	15.4577
Ba 389.178	55.9984	54.9780	55.1979
Be 313.042	-0.0059u	-0.0107u	-0.0084u
Ca 370.602	9620	9589	9572
Cd 226.502	-0.0692u	-0.1295u	-0.1633u
Co 228.615	0.0672	0.0731	0.3090
Cr 267.716	0.0491	0.1692	0.1351
Cu 324.754	21.3617	22.0783	21.8200
Fe 271.441	3.0224	8.0949	10.0414
K 766.491	2855.24	2855.89	2851.57
Mg 279.078	2941.07	2938.41	2923.26
Mn 257.610	1.3237	1.4131	1.2675
Mo 202.032	-0.3087u	0.0372	-0.5082u
Na 330.237	19405.6	19200.5	19269.6
Ni 231.604	3.1572	1.2179	1.2680
Pb 220.353	1.2417	-0.2550u	0.3001
Sb 206.834	3.0278	3.5954	1.1190
Se 196.026	-2.0014u	0.1658	-4.8731u
Sn 189.925	2.4742	1.2678	0.7133
Sr 216.596	83.0187	82.8477	83.0677
Ti 334.941	-0.0501u	-0.0782u	-0.0395
Tl 190.794	-3.1855u	-2.0922u	-3.8193u
V 292.401	0.0853	0.2598	0.1776
Zn 206.200	9.8792	9.1174	7.4338

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0491	ppb	0.4423	901.0	-44.6396
Al 308.215	6.5193	ppb	1.8076	27.7	61.8424
As 188.980	-0.9179	ppb	5.5035	599.6	-5.3844
B 249.678	16.1323	ppb	0.5875	3.6	575.057
Ba 389.178	55.3914	ppb	0.5370	1.0	1237.85
Be 313.042	-0.0083	ppb	0.0024	29.0	-391.163
Ca 370.602	9593	ppb	24.20	0.3	29609
Cd 226.502	-0.1207	ppb	0.0476	39.5	31.5542
Co 228.615	0.1498	ppb	0.1379	92.1	10.4639
Cr 267.716	0.1178	ppb	0.0619	52.5	12.1777
Cu 324.754	21.7533	ppb	0.3629	1.7	1252.04
Fe 271.441	7.0529	ppb	3.6237	51.4	124.425
K 766.491	2854.23	ppb	2.3293	0.1	108230
Mg 279.078	2934.25	ppb	9.6056	0.3	6635.84
Mn 257.610	1.3348	ppb	0.0734	5.5	231.605
Mo 202.032	-0.2599	ppb	0.2760	106.2	17.4977
Na 330.237	19291.9	ppb	104.349	0.5	1048.55
Ni 231.604	1.8810	ppb	1.1055	58.8	-0.2394
Pb 220.353	0.4289	ppb	0.7566	176.4	32.0893
Sb 206.834	2.5807	ppb	1.2973	50.3	5.4138
Se 196.026	-2.2362	ppb	2.5277	113.0	10.4658
Sn 189.925	1.4851	ppb	0.9003	60.6	-9.0982
Sr 216.596	82.9781	ppb	0.1155	0.1	1043.80
Ti 334.941	-0.0559	ppb	0.0200	35.7	-36.0861
Tl 190.794	-3.0323	ppb	0.8737	28.8	-16.8502
V 292.401	0.1742	ppb	0.0873	50.1	-5.3131
Zn 206.200	8.8101	ppb	1.2513	14.2	14.1874

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CCV (Samp)	5/9/2013, 1:13:46 PM		Rack 1, Tube 1
Weight: 1	Volume: 1		Dilution: 1
Label	Replicates Concentration		
Ag 328.068	509.720	494.456	505.341
Al 308.215	5043.00	5033.45	5052.02
As 188.980	502.866	493.603	509.010
B 249.678	496.763	499.823	502.858
Ba 389.178	5140.32	5133.36	5137.23
Be 313.042	521.161	521.316	521.723
Ca 370.602	5036	5031	5033
Cd 226.502	516.508	515.334	515.261
Co 228.615	521.318	521.888	523.889
Cr 267.716	5160.70	5151.39	5159.21
Cu 324.754	5419.12	5339.03	5402.63
Fe 271.441	5001.96	4993.04	4989.40
K 766.491	10465.7	10424.7	10429.5
Mg 279.078	4993.70	4981.94	4992.21
Mn 257.610	5173.49	5140.77	5169.38
Mo 202.032	501.866	504.136	505.681
Na 330.237	7218.62	7204.60	7194.88
Ni 231.604	2595.57	2591.53	2596.13
Pb 220.353	489.726	491.395	489.304
Sb 206.834	1003.29	995.545	1000.97
Se 196.026	5002.07	4992.30	5013.81
Sn 189.925	5049.42	5023.52	5028.13
Sr 216.596	2520.95	2513.20	2501.11
Ti 334.941	502.179	501.314	502.020
Tl 190.794	5030.85	5024.68	5015.48
V 292.401	5040.82	5027.23	5037.40
Zn 206.200	2552.20	2550.66	2552.08

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	503.172	ppb	7.8599	1.6	38588.0
Al 308.215	5042.82	ppb	9.2879	0.2	20216.9
As 188.980	501.826	ppb	7.7559	1.5	226.077
B 249.678	499.815	ppb	3.0474	0.6	6891.31
Ba 389.178	5136.97	ppb	3.4841	0.1	114879
Be 313.042	521.400	ppb	0.2903	0.1	955798
Ca 370.602	5034	ppb	2.295	0.0	15423
Cd 226.502	515.701	ppb	0.6999	0.1	20351.7
Co 228.615	522.365	ppb	1.3505	0.3	6835.73
Cr 267.716	5157.10	ppb	5.0035	0.1	263361
Cu 324.754	5386.93	ppb	42.2899	0.8	244490
Fe 271.441	4994.80	ppb	6.4642	0.1	9257.68
K 766.491	10440.0	ppb	22.4312	0.2	395082
Mg 279.078	4989.28	ppb	6.4026	0.1	11167.2
Mn 257.610	5161.22	ppb	17.8225	0.3	310525
Mo 202.032	503.894	ppb	1.9194	0.4	3917.39
Na 330.237	7206.03	ppb	11.9328	0.2	402.499
Ni 231.604	2594.41	ppb	2.5120	0.1	7708.31
Pb 220.353	490.141	ppb	1.1058	0.2	1010.23
Sb 206.834	999.937	ppb	3.9763	0.4	1246.36
Se 196.026	5002.73	ppb	10.7684	0.2	2682.50
Sn 189.925	5033.69	ppb	13.8155	0.3	4871.17
Sr 216.596	2511.75	ppb	9.9993	0.4	31010.0
Ti 334.941	501.838	ppb	0.4601	0.1	149340
Tl 190.794	5023.67	ppb	7.7342	0.2	5296.36
V 292.401	5035.15	ppb	7.0689	0.1	141853
Zn 206.200	2551.65	ppb	0.8544	0.0	4001.10

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CCB (Samp)	5/9/2013, 1:19:10 PM		Rack 1, Tube 2
Weight: 1	Volume: 1		Dilution: 1
Label	Replicates Concentration		
Ag 328.068	-0.0378u	0.0451	-0.0075u
Al 308.215	-1.9322u	1.4210	2.1099
As 188.980	-4.7087u	-1.9150u	2.1174
B 249.678	-8.2397u	-8.7819u	-10.5360u
Ba 389.178	0.9343	-0.3565u	-0.0996u
Be 313.042	0.0106	0.0027	-0.0038u
Ca 370.602	-2.769u	-4.469u	-1.847u
Cd 226.502	-0.1001u	-0.1728u	-0.1738u
Co 228.615	-0.0076u	-0.4507u	-0.4865u
Cr 267.716	0.0520	-0.2095u	-0.1473u
Cu 324.754	0.1211	-0.1297u	0.5907
Fe 271.441	-12.2958u	-13.0486u	-2.7601u
K 766.491	-1.8571u	-0.1146u	-0.1618u
Mg 279.078	0.6856	0.8954	2.1885
Mn 257.610	-0.3829u	-0.2990u	-0.1952u
Mo 202.032	0.1297	0.1566	0.2154
Na 330.237	-158.059u	-200.156u	-52.1647u
Ni 231.604	1.3334	0.1166	0.7135
Pb 220.353	1.5281	0.5451	0.8553
Sb 206.834	3.3457	3.3878	1.9199
Se 196.026	-3.5267u	-3.6410u	-3.9319u
Sn 189.925	2.0540	-0.9018u	-0.7965u
Sr 216.596	-0.0498u	0.3639	0.3350
Ti 334.941	0.0468	-0.0616u	-0.0022u
Tl 190.794	3.9420	4.0900	0.2427
V 292.401	0.1181	0.1414	-0.1342u
Zn 206.200	-1.7042u	-0.0009u	1.8250

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0001	ppb	0.0420	63041.4	-36.9719
Al 308.215	0.5329	ppb	2.1625	405.8	37.9027
As 188.980	-1.5021	ppb	3.4317	228.5	-5.7284
B 249.678	-9.1859	ppb	1.2003	13.1	244.107
Ba 389.178	0.1594	ppb	0.6833	428.7	-4.5330
Be 313.042	0.0032	ppb	0.0072	225.4	-371.026
Ca 370.602	-3.028	ppb	1.330	43.9	6.022
Cd 226.502	-0.1489	ppb	0.0422	28.4	30.4527
Co 228.615	-0.3149	ppb	0.2668	84.7	4.3843
Cr 267.716	-0.1016	ppb	0.1366	134.4	0.6093
Cu 324.754	0.1940	ppb	0.3657	188.5	274.493
Fe 271.441	-9.3681	ppb	5.7351	61.2	94.7236
K 766.491	-0.7112	ppb	0.9927	139.6	270.608
Mg 279.078	1.2565	ppb	0.8140	64.8	39.1455
Mn 257.610	-0.2924	ppb	0.0940	32.2	125.680
Mo 202.032	0.1672	ppb	0.0438	26.2	20.8119
Na 330.237	-136.793	ppb	76.2532	55.7	50.7761
Ni 231.604	0.7211	ppb	0.6085	84.4	-3.6886
Pb 220.353	0.9762	ppb	0.5025	51.5	33.1811
Sb 206.834	2.8845	ppb	0.8356	29.0	5.7648
Se 196.026	-3.6999	ppb	0.2089	5.6	9.6842
Sn 189.925	0.1186	ppb	1.6769	1414.1	-10.4359
Sr 216.596	0.2164	ppb	0.2309	106.7	19.1869
Ti 334.941	-0.0056	ppb	0.0543	962.2	-33.7669
Tl 190.794	2.7582	ppb	2.1798	79.0	-10.7198
V 292.401	0.0418	ppb	0.1529	366.0	-9.0028
Zn 206.200	0.0400	ppb	1.7650	4414.1	0.3824



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X (Samp)	5/9/2013, 1:24:34 PM	Rack 1, Tube 3	
Weight: 1	Volume: 1	Dilution: 1	
Label	Replicates Concentration		
Ag 328.068	0.0180	0.0615	-0.3513u
Al 308.215	1.2397	3.3654	2.2090
As 188.980	-0.1595u	-4.7944u	8.2511
B 249.678	-15.3500u	-15.1024u	-15.3032u
Ba 389.178	0.0592	0.9335	0.2704
Be 313.042	-0.0068u	-0.0044u	-0.0031u
Ca 370.602	-4.349u	-1.632u	-0.4390u
Cd 226.502	-0.1972u	-0.2010u	-0.1426u
Co 228.615	0.3265	-0.2698u	0.1284
Cr 267.716	-0.1442u	0.0885	0.1056
Cu 324.754	0.1853	-0.2767u	0.2309
Fe 271.441	-7.8192u	-3.7280u	-2.3168u
K 766.491	-0.0589u	-0.6028u	-0.4599u
Mg 279.078	-3.0801u	1.0419	2.0638
Mn 257.610	-0.2253u	-0.3134u	-0.2079u
Mo 202.032	-0.5489u	-0.6538u	-0.3347u
Na 330.237	-18.6274u	-21.9993u	-65.2464u
Ni 231.604	0.1653	-0.3499u	-0.2357u
Pb 220.353	-2.7254u	-3.2483u	0.2003
Sb 206.834	3.0561	4.2979	1.1265
Se 196.026	-2.0389u	-0.9675u	3.5274
Sn 189.925	-0.6719u	1.6717	-1.6377u
Sr 216.596	0.1628	0.0615	0.4134
Ti 334.941	-0.0231u	-0.0003u	-0.0857u
Tl 190.794	1.3611	-0.2177u	-2.1528u
V 292.401	-0.1999u	-0.6656u	0.1222
Zn 206.200	-1.1595u	-0.2161u	0.3218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0906	ppb	0.2268	250.4	-43.9238
Al 308.215	2.2714	ppb	1.0642	46.9	44.8024
As 188.980	1.0991	ppb	6.6132	601.7	-4.5299
B 249.678	-15.2519	ppb	0.1315	0.9	164.803
Ba 389.178	0.4210	ppb	0.4562	108.3	1.3180
Be 313.042	-0.0048	ppb	0.0019	39.4	-385.546
Ca 370.602	-2.140	ppb	2.004	93.6	8.304
Cd 226.502	-0.1803	ppb	0.0327	18.1	29.2369
Co 228.615	0.0617	ppb	0.3037	492.1	9.3262
Cr 267.716	0.0166	ppb	0.1396	839.1	6.6548
Cu 324.754	0.0465	ppb	0.2808	603.7	267.791
Fe 271.441	-4.6213	ppb	2.8579	61.8	103.348
K 766.491	-0.3739	ppb	0.2820	75.4	283.363
Mg 279.078	0.0085	ppb	2.7232	31938.8	36.3384
Mn 257.610	-0.2489	ppb	0.0566	22.7	128.295
Mo 202.032	-0.5125	ppb	0.1627	31.7	15.5404
Na 330.237	-35.2910	ppb	25.9969	73.7	55.9909
Ni 231.604	-0.1401	ppb	0.2705	193.1	-6.2492
Pb 220.353	-1.9244	ppb	1.8586	96.6	27.3893
Sb 206.834	2.8269	ppb	1.5981	56.5	5.7094
Se 196.026	0.1737	ppb	2.9534	1700.6	11.7511
Sn 189.925	-0.2126	ppb	1.7018	800.3	-10.7571
Sr 216.596	0.2126	ppb	0.1811	85.2	19.1803
Ti 334.941	-0.0364	ppb	0.0442	121.6	-42.9190
Tl 190.794	-0.3364	ppb	1.7599	523.1	-13.9943
V 292.401	-0.2478	ppb	0.3960	159.9	-17.0476
Zn 206.200	-0.3513	ppb	0.7499	213.5	0.2332

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89890-a-3-a^5 (Samp)                      5/9/2013, 1:29:58 PM                      Rack 1, Tube 4**  
**Weight: 1    Volume: 1    Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0023u	-0.8672u	-0.5165u
Al 308.215	33845.8	33420.4	33055.0
As 188.980	61.5075	61.8715	64.6118
B 249.678	-20.8602u	-20.4741u	-19.5310u
Ba 389.178	184.540	182.302	181.730
Be 313.042	6.3073	6.2673	6.1999
Ca 370.602	36098	35770	35471
Cd 226.502	7.1386	6.9090	7.0182
Co 228.615	32.0707	31.8241	31.8714
Cr 267.716	168.281	166.552	165.165
Cu 324.754	25.8978	26.4482	26.6407
Fe 271.441	81788.3	81244.7	80499.9
K 766.491	1891.29	1875.90	1865.29
Mg 279.078	4510.74	4486.24	4440.43
Mn 257.610	3211.03	3207.25	3209.46
Mo 202.032	1.7918	1.1810	1.2974
Na 330.237	315.168u	459.070u	237.442u
Ni 231.604	122.202	121.193	121.658
Pb 220.353	47.2873	50.0221	50.8664
Sb 206.834	-0.1594	2.8475	3.8894
Se 196.026	-9.6385u	-8.4157u	-7.0080u
Sn 189.925	2.9759	4.8898	2.6999
Sr 216.596	82.0681	80.3799	79.5153
Ti 334.941	93.2856	92.5298	91.7312
Tl 190.794	7.6747u	8.7682u	6.4531u
V 292.401	151.825	150.744	149.104
Zn 206.200	620.084	613.622	610.400

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7953	ppb	0.2508	31.5	-85.9352
Al 308.215	33440.4	ppb	395.746	1.2	133966
As 188.980	62.6636	ppb	1.6970	2.7	23.4879
B 249.678	-20.2884	ppb	0.6838	3.4	-7.1925
Ba 389.178	182.857	ppb	1.4849	0.8	4203.42
Be 313.042	6.2582	ppb	0.0543	0.9	11109.9
Ca 370.602	35780	ppb	313.5	0.9	104078
Cd 226.502	7.0220	ppb	0.1149	1.6	584.963
Co 228.615	31.9220	ppb	0.1309	0.4	425.244
Cr 267.716	166.666	ppb	1.5610	0.9	8552.06
Cu 324.754	26.3289	ppb	0.3855	1.5	1480.04
Fe 271.441	81177.6	ppb	646.824	0.8	146562
K 766.491	1877.49	ppb	13.0743	0.7	71294.5
Mg 279.078	4479.13	ppb	35.6910	0.8	10060.5
Mn 257.610	3209.25	ppb	1.8958	0.1	193198
Mo 202.032	1.4234	ppb	0.3243	22.8	25.8847
Na 330.237	337.226	ppb	112.449	33.3	28.8835
Ni 231.604	121.685	ppb	0.5048	0.4	357.902
Pb 220.353	49.3919	ppb	1.8709	3.8	131.356
Sb 206.834	2.1925	ppb	2.1024	95.9	9.1376
Se 196.026	-8.3540	ppb	1.3164	15.8	8.5806
Sn 189.925	3.5218	ppb	1.1927	33.9	-7.1201
Sr 216.596	80.6544	ppb	1.2983	1.6	1054.01
Ti 334.941	92.5155	ppb	0.7773	0.8	27533.9
Tl 190.794	7.6320	ppb	1.1581	15.2	-14.9183
V 292.401	150.558	ppb	1.3704	0.9	4234.88
Zn 206.200	614.702	ppb	4.9313	0.8	976.172

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**680-89957-a-18-a^5 (Samp) 5/9/2013, 1:35:23 PM Rack 1, Tube 5****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0656u	-0.5839u	-0.6767u
Al 308.215	35478.3	35265.0	34884.5
As 188.980	36.2781	46.7100	49.8582
B 249.678	-22.1377u	-22.3326u	-23.1569u
Ba 389.178	91.9259	90.9198	89.8917
Be 313.042	6.7557	6.7195	6.6561
Ca 370.602	10992	10942	10835
Cd 226.502	5.4781	5.3143	5.0573
Co 228.615	22.6022	22.4842	21.6463
Cr 267.716	266.391	264.449	262.445
Cu 324.754	20.7568	21.5170	20.4087
Fe 271.441	68383.2	67949.8	67332.6
K 766.491	1138.13	1130.12	1125.91
Mg 279.078	2490.73	2484.12	2448.95
Mn 257.610	327.946	325.055	322.825
Mo 202.032	1.0603	1.0494	0.7047
Na 330.237	257.328u	190.255u	321.301u
Ni 231.604	82.7502	83.2874	82.6195
Pb 220.353	51.9909	50.2609	52.0788
Sb 206.834	0.8141	-0.3773	4.1981
Se 196.026	-9.5873u	-7.0667u	-14.8370u
Sn 189.925	4.5373	4.3680	4.5110
Sr 216.596	34.6081	33.6959	33.9564
Ti 334.941	68.5164	68.2479	67.7153
Tl 190.794	1.2915u	4.1757	-0.4596u
V 292.401	174.445	173.166	171.164
Zn 206.200	453.009	448.499	442.893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7754	ppb	0.2556	33.0	-95.6125
Al 308.215	35209.3	ppb	300.803	0.9	141050
As 188.980	44.2821	ppb	7.1082	16.1	14.9276
B 249.678	-22.5424	ppb	0.5410	2.4	-19.1947
Ba 389.178	90.9125	ppb	1.0171	1.1	2124.35
Be 313.042	6.7104	ppb	0.0504	0.8	11931.6
Ca 370.602	10923	ppb	80.20	0.7	28369
Cd 226.502	5.2832	ppb	0.2121	4.0	471.724
Co 228.615	22.2442	ppb	0.5212	2.3	299.115
Cr 267.716	264.428	ppb	1.9731	0.7	13528.0
Cu 324.754	20.8941	ppb	0.5668	2.7	1229.80
Fe 271.441	67888.6	ppb	527.983	0.8	122587
K 766.491	1131.39	ppb	6.2060	0.5	43080.6
Mg 279.078	2474.60	ppb	22.4540	0.9	5598.60
Mn 257.610	325.276	ppb	2.5678	0.8	19758.6
Mo 202.032	0.9381	ppb	0.2022	21.6	22.7945
Na 330.237	256.295	ppb	65.5289	25.6	32.8931
Ni 231.604	82.8857	ppb	0.3540	0.4	242.226
Pb 220.353	51.4435	ppb	1.0251	2.0	134.754
Sb 206.834	1.5449	ppb	2.3736	153.6	9.1542
Se 196.026	-10.4970	ppb	3.9642	37.8	6.5760
Sn 189.925	4.4721	ppb	0.0911	2.0	-6.2104
Sr 216.596	34.0868	ppb	0.4699	1.4	469.672
Ti 334.941	68.1599	ppb	0.4077	0.6	20274.5
Tl 190.794	1.6692	ppb	2.3406	140.2	-15.9792
V 292.401	172.925	ppb	1.6539	1.0	4860.39
Zn 206.200	448.134	ppb	5.0681	1.1	712.243

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680-89957-a-3-a^5 (Samp) 5/9/2013, 1:40:48 PM Rack 1, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3406u	-1.3951u	-1.2832u
Al 308.215	35734.8	35026.9	34238.6
As 188.980	56.0955	54.3009	62.6724
B 249.678	-23.7267u	-23.8172u	-23.6650u
Ba 389.178	213.133	209.800	204.589
Be 313.042	10.4368	10.2573	10.0238
Ca 370.602	15060	14840	14553
Cd 226.502	11.3051	10.8239	10.3909
Co 228.615	42.9047	42.4781	41.7231
Cr 267.716	164.287	161.838	158.000
Cu 324.754	37.7401	37.0374	36.6785
Fe 271.441	83420.0	81892.9	80079.5
K 766.491	2223.74	2186.68	2156.93
Mg 279.078	4277.70	4208.96	4106.45
Mn 257.610	3131.48	3085.19	3009.96
Mo 202.032	1.8729	1.2938	0.7387
Na 330.237	274.763u	161.946u	221.053u
Ni 231.604	182.819	177.309	174.635
Pb 220.353	55.8713	51.2407	52.9196
Sb 206.834	5.8407	3.3631	5.7408
Se 196.026	-8.6940u	-9.0132u	-10.9930u
Sn 189.925	4.4061	5.7147	4.8616
Sr 216.596	73.6499	72.4138	70.4869
Ti 334.941	60.4091	59.3573	57.8787
Tl 190.794	5.3404u	5.6030u	4.9975u
V 292.401	151.015	148.398	145.089
Zn 206.200	759.198	746.561	727.695

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3396	ppb	0.0560	4.2	-127.817
Al 308.215	35000.1	ppb	748.432	2.1	140213
As 188.980	57.6896	ppb	4.4075	7.6	21.0282
B 249.678	-23.7363	ppb	0.0765	0.3	-52.9381
Ba 389.178	209.174	ppb	4.3062	2.1	4791.80
Be 313.042	10.2393	ppb	0.2071	2.0	18405.8
Ca 370.602	14818	ppb	254.2	1.7	39361
Cd 226.502	10.8400	ppb	0.4573	4.2	736.969
Co 228.615	42.3687	ppb	0.5983	1.4	560.554
Cr 267.716	161.375	ppb	3.1688	2.0	8281.44
Cu 324.754	37.1520	ppb	0.5400	1.5	1970.94
Fe 271.441	81797.5	ppb	1672.28	2.0	147682
K 766.491	2189.12	ppb	33.4708	1.5	83078.4
Mg 279.078	4197.70	ppb	86.1762	2.1	9428.95
Mn 257.610	3075.54	ppb	61.3288	2.0	185158
Mo 202.032	1.3018	ppb	0.5671	43.6	24.9187
Na 330.237	219.254	ppb	56.4297	25.7	21.8526
Ni 231.604	178.254	ppb	4.1728	2.3	526.115
Pb 220.353	53.3438	ppb	2.3443	4.4	139.269
Sb 206.834	4.9815	ppb	1.4025	28.2	12.4368
Se 196.026	-9.5667	ppb	1.2455	13.0	7.9085
Sn 189.925	4.9941	ppb	0.6643	13.3	-5.7027
Sr 216.596	72.1835	ppb	1.5940	2.2	945.940
Ti 334.941	59.2150	ppb	1.2712	2.1	17622.4
Tl 190.794	5.3136	ppb	0.3036	5.7	-17.2309
V 292.401	148.167	ppb	2.9699	2.0	4167.13
Zn 206.200	744.484	ppb	15.8536	2.1	1180.52

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**680-89957-a-12-a^5 (Samp)**      **5/9/2013, 1:46:13 PM**      **Rack 1, Tube 7****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6120u	-0.1665	-0.6384u
Al 308.215	29308.1	28884.3	28560.8
As 188.980	25.6188	19.1902	25.2718
B 249.678	-20.9513u	-21.8713u	-21.0075u
Ba 389.178	383.238	377.730	373.388
Be 313.042	4.0004	3.9276	3.8876
Ca 370.602	11299	11143	11036
Cd 226.502	5.3760	5.4190	5.1549
Co 228.615	20.8933	19.6766	20.0665
Cr 267.716	101.295	99.2920	98.1994
Cu 324.754	25.7558	26.3515	26.2669
Fe 271.441	43836.9	43240.8	42975.4
K 766.491	1464.09	1445.04	1432.40
Mg 279.078	3449.03	3388.43	3356.29
Mn 257.610	9980.99	9742.79	9644.97
Mo 202.032	0.5530	1.0053	-0.0712u
Na 330.237	309.279u	351.290u	336.599u
Ni 231.604	112.473	110.327	108.168
Pb 220.353	22.1608	21.2980	24.1868
Sb 206.834	4.0757	3.4072	1.3234
Se 196.026	-6.6192u	-1.7205	-1.0561
Sn 189.925	1.0648	4.3394	3.6036
Sr 216.596	36.0629	35.6217	34.9650
Ti 334.941	42.7117	41.5134	41.2439
Tl 190.794	16.2598u	17.6055	18.2060
V 292.401	58.5458	57.3993	56.8299
Zn 206.200	304.039	299.623	297.533

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4723	ppb	0.2652	56.1	-27.7957
Al 308.215	28917.7	ppb	374.777	1.3	115853
As 188.980	23.3603	ppb	3.6155	15.5	5.4796
B 249.678	-21.2767	ppb	0.5157	2.4	29.3884
Ba 389.178	378.119	ppb	4.9363	1.3	8514.08
Be 313.042	3.9386	ppb	0.0572	1.5	6848.33
Ca 370.602	11159	ppb	132.6	1.2	31293
Cd 226.502	5.3166	ppb	0.1417	2.7	390.912
Co 228.615	20.2121	ppb	0.6213	3.1	272.183
Cr 267.716	99.5956	ppb	1.5701	1.6	5148.91
Cu 324.754	26.1247	ppb	0.3223	1.2	1461.41
Fe 271.441	43351.0	ppb	441.210	1.0	78320.3
K 766.491	1447.18	ppb	15.9518	1.1	55022.2
Mg 279.078	3397.92	ppb	47.0922	1.4	7507.52
Mn 257.610	9789.58	ppb	172.830	1.8	588869
Mo 202.032	0.4957	ppb	0.5405	109.0	20.9130
Na 330.237	332.389	ppb	21.3194	6.4	50.4603
Ni 231.604	110.323	ppb	2.1522	2.0	323.225
Pb 220.353	22.5485	ppb	1.4829	6.6	79.4360
Sb 206.834	2.9354	ppb	1.4355	48.9	8.2072
Se 196.026	-3.1319	ppb	3.0382	97.0	12.9257
Sn 189.925	3.0026	ppb	1.7180	57.2	-7.6345
Sr 216.596	35.5499	ppb	0.5525	1.6	475.731
Ti 334.941	41.8230	ppb	0.7813	1.9	12437.3
Tl 190.794	17.3571	ppb	0.9966	5.7	-13.0792
V 292.401	57.5917	ppb	0.8740	1.5	1611.37
Zn 206.200	300.398	ppb	3.3217	1.1	477.549

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**mb 680-275990/1-a (Samp)**      **5/9/2013, 1:51:39 PM**      **Rack 1, Tube 8**  
**Weight: 1**      **Volume: 1**      **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4156u	0.1519	0.0262
Al 308.215	2.1315	1.2719	0.7104
As 188.980	0.3879	-10.3278u	-1.1105u
B 249.678	-19.8642u	-20.1406u	-20.1064u
Ba 389.178	-0.0554u	0.2582	-0.0089u
Be 313.042	-0.0047u	-0.0051u	-0.0048u
Ca 370.602	-1.179u	-0.2392u	-3.247u
Cd 226.502	-0.0986u	-0.1636u	-0.2911u
Co 228.615	-0.3354u	-0.1231u	0.1467
Cr 267.716	0.1613	-0.0562u	0.0993
Cu 324.754	0.6579	-0.3749u	-0.0646u
Fe 271.441	-1.3091u	-0.9848u	-6.5829u
K 766.491	0.5228	-0.2946u	-0.2113u
Mg 279.078	-1.6649u	1.6379	-1.5128u
Mn 257.610	-0.1851u	-0.1764u	-0.1255u
Mo 202.032	-0.5009u	-0.9112u	0.1752
Na 330.237	38.1954	19.7262	85.4696
Ni 231.604	0.4870	-1.2423u	0.1806
Pb 220.353	0.3612	-4.5103u	0.7518
Sb 206.834	2.9956	4.0332	-0.9808u
Se 196.026	-1.6912u	-10.6229u	-0.8334u
Sn 189.925	-0.5356u	-0.1192u	-3.1589u
Sr 216.596	-0.0003	-0.3262u	0.5118
Ti 334.941	-0.0568u	-0.0708u	-0.0585u
Tl 190.794	-0.7365u	-1.4436u	0.1140
V 292.401	-0.3410u	0.2879	-0.0950u
Zn 206.200	-1.0613u	-0.1837u	-0.3094u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0792	ppb	0.2980	376.5	-43.0365
Al 308.215	1.3713	ppb	0.7157	52.2	41.1995
As 188.980	-3.6834	ppb	5.8027	157.5	-6.7334
B 249.678	-20.0371	ppb	0.1507	0.8	102.248
Ba 389.178	0.0646	ppb	0.1692	261.9	-6.6502
Be 313.042	-0.0048	ppb	0.0002	3.9	-385.660
Ca 370.602	-1.555	ppb	1.539	99.0	10.01
Cd 226.502	-0.1844	ppb	0.0979	53.1	29.0771
Co 228.615	-0.1039	ppb	0.2416	232.5	7.1631
Cr 267.716	0.0681	ppb	0.1120	164.5	9.2844
Cu 324.754	0.0728	ppb	0.5299	728.0	268.982
Fe 271.441	-2.9589	ppb	3.1426	106.2	106.321
K 766.491	0.0057	ppb	0.4498	7960.3	297.714
Mg 279.078	-0.5132	ppb	1.8645	363.3	35.1645
Mn 257.610	-0.1623	ppb	0.0322	19.8	133.498
Mo 202.032	-0.4123	ppb	0.5486	133.1	16.3170
Na 330.237	47.7971	ppb	33.9071	70.9	60.2567
Ni 231.604	-0.1916	ppb	0.9228	481.7	-6.4022
Pb 220.353	-1.1324	ppb	2.9318	258.9	28.9711
Sb 206.834	2.0160	ppb	2.6467	131.3	4.7473
Se 196.026	-4.3825	ppb	5.4214	123.7	9.3200
Sn 189.925	-1.2712	ppb	1.6480	129.6	-11.7836
Sr 216.596	0.0617	ppb	0.4224	684.2	17.3105
Ti 334.941	-0.0620	ppb	0.0077	12.4	-50.5668
Tl 190.794	-0.6887	ppb	0.7799	113.2	-14.3672
V 292.401	-0.0494	ppb	0.3170	642.1	-11.4549
Zn 206.200	-0.5181	ppb	0.4746	91.6	-0.4958

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CRI (Samp) 5/9/2013, 1:57:05 PM Rack 1, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.0458	10.5459	10.3882
Al 308.215	214.950	210.307	210.220
As 188.980	19.8292	21.4431	23.8130
B 249.678	79.7049	82.3210	80.1623
Ba 389.178	11.6562	10.2555	11.1788
Be 313.042	4.3508	4.3958	4.3394
Ca 370.602	498.8	505.0	499.0
Cd 226.502	5.0791	5.4062	5.1823
Co 228.615	10.4473	10.6052	10.6380
Cr 267.716	10.8294	10.6710	10.7369
Cu 324.754	22.5307	22.8043	21.4626
Fe 271.441	46.4724	50.7711	41.2473
K 766.491	1050.19	1057.71	1048.53
Mg 279.078	510.406	515.174	506.779
Mn 257.610	11.1605	11.5789	11.4994
Mo 202.032	9.3232	9.9550	9.8450
Na 330.237	1198.07	963.065	1055.48
Ni 231.604	41.6977	41.5902	42.7751
Pb 220.353	9.9615	13.5414	8.7833
Sb 206.834	18.1891	25.6826	18.6518
Se 196.026	23.1439	15.6647	22.7840
Sn 189.925	48.1877	46.4734	49.4872
Sr 216.596	10.5217	10.4766	10.4403
Ti 334.941	10.2200	10.3080	10.2825
Tl 190.794	26.2043	23.5812	26.6642
V 292.401	10.5045	10.8741	10.2005
Zn 206.200	20.5479	20.9413	20.7616

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3266	ppb	0.2557	2.5	756.620
Al 308.215	211.826	ppb	2.7062	1.3	884.904
As 188.980	21.6951	ppb	2.0038	9.2	4.9611
B 249.678	80.7294	ppb	1.3972	1.7	1419.43
Ba 389.178	11.0302	ppb	0.7121	6.5	239.964
Be 313.042	4.3620	ppb	0.0298	0.7	7622.70
Ca 370.602	500.9	ppb	3.538	0.7	1558
Cd 226.502	5.2225	ppb	0.1672	3.2	242.072
Co 228.615	10.5635	ppb	0.1020	1.0	146.290
Cr 267.716	10.7458	ppb	0.0796	0.7	554.563
Cu 324.754	22.2659	ppb	0.7090	3.2	1275.44
Fe 271.441	46.1636	ppb	4.7694	10.3	196.798
K 766.491	1052.14	ppb	4.8938	0.5	40084.1
Mg 279.078	510.786	ppb	4.2103	0.8	1184.89
Mn 257.610	11.4129	ppb	0.2222	1.9	831.007
Mo 202.032	9.7077	ppb	0.3375	3.5	94.7857
Na 330.237	1072.21	ppb	118.391	11.0	112.606
Ni 231.604	42.0210	ppb	0.6553	1.6	119.111
Pb 220.353	10.7621	ppb	2.4780	23.0	52.7060
Sb 206.834	20.8412	ppb	4.1992	20.1	27.0863
Se 196.026	20.5309	ppb	4.2181	20.5	22.6170
Sn 189.925	48.0494	ppb	1.5117	3.1	36.0486
Sr 216.596	10.4796	ppb	0.0408	0.4	144.986
Ti 334.941	10.2702	ppb	0.0453	0.4	3026.72
Tl 190.794	25.4832	ppb	1.6632	6.5	13.3119
V 292.401	10.5264	ppb	0.3373	3.2	284.821
Zn 206.200	20.7502	ppb	0.1969	0.9	32.9521

E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

CCV (Samp) 5/9/2013, 2:02:43 PM Rack 1, Tube 10

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	500.723	506.418	509.508
Al 308.215	5064.42	5096.14	5087.22
As 188.980	500.660	505.271	506.926
B 249.678	500.792	501.718	505.244
Ba 389.178	5128.84	5126.38	5123.43
Be 313.042	522.541	523.346	524.186
Ca 370.602	5049	5028	5029
Cd 226.502	518.523	517.297	516.776
Co 228.615	525.577	525.270	523.963
Cr 267.716	5173.85	5166.33	5174.57
Cu 324.754	5314.48	5271.57	5380.85
Fe 271.441	5014.98	4977.70	4999.32
K 766.491	10482.6	10466.9	10529.9
Mg 279.078	5024.21	5005.28	5012.65
Mn 257.610	5187.91	5170.61	5193.91
Mo 202.032	506.013	503.221	503.964
Na 330.237	7299.17	7244.45	7396.62
Ni 231.604	2609.38	2600.12	2594.09
Pb 220.353	497.204	493.386	492.923
Sb 206.834	1015.85	1009.01	1009.88
Se 196.026	5025.83	5023.09	5007.00
Sn 189.925	5036.55	5024.98	4999.15
Sr 216.596	2527.26	2522.82	2519.68
Ti 334.941	503.576	502.232	503.532
Tl 190.794	5032.52	5032.99	5013.24
V 292.401	5050.80	5043.94	5048.64
Zn 206.200	2577.09	2566.00	2560.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	505.550	ppb	4.4563	0.9	38770.5
Al 308.215	5082.60	ppb	16.3600	0.3	20376.2
As 188.980	504.285	ppb	3.2471	0.6	227.210
B 249.678	502.585	ppb	2.3492	0.5	6927.52
Ba 389.178	5126.22	ppb	2.7068	0.1	114639
Be 313.042	523.358	ppb	0.8224	0.2	959388
Ca 370.602	5035	ppb	12.09	0.2	15429
Cd 226.502	517.532	ppb	0.8970	0.2	20423.8
Co 228.615	524.936	ppb	0.8569	0.2	6869.37
Cr 267.716	5171.58	ppb	4.5610	0.1	264100
Cu 324.754	5322.30	ppb	55.0612	1.0	241560
Fe 271.441	4997.33	ppb	18.7209	0.4	9262.79
K 766.491	10493.1	ppb	32.7700	0.3	397093
Mg 279.078	5014.05	ppb	9.5449	0.2	11222.5
Mn 257.610	5184.14	ppb	12.0932	0.2	311903
Mo 202.032	504.399	ppb	1.4462	0.3	3921.29
Na 330.237	7313.41	ppb	77.0751	1.1	407.881
Ni 231.604	2601.20	ppb	7.7038	0.3	7728.49
Pb 220.353	494.504	ppb	2.3499	0.5	1018.95
Sb 206.834	1011.58	ppb	3.7227	0.4	1260.33
Se 196.026	5018.64	ppb	10.1741	0.2	2690.99
Sn 189.925	5020.23	ppb	19.1494	0.4	4858.11
Sr 216.596	2523.26	ppb	3.8113	0.2	31152.1
Ti 334.941	503.113	ppb	0.7634	0.2	149720
Tl 190.794	5026.25	ppb	11.2671	0.2	5299.06
V 292.401	5047.79	ppb	3.5089	0.1	142209
Zn 206.200	2568.00	ppb	8.2679	0.3	4026.79



E05082013A.wvq. All Data Report 5/9/2013, 2:59:49 PM

**CCB (Samp)** **5/9/2013, 2:08:10 PM** **Rack 1, Tube 11**  
**Weight: 1** **Volume: 1** **Dilution: 1**

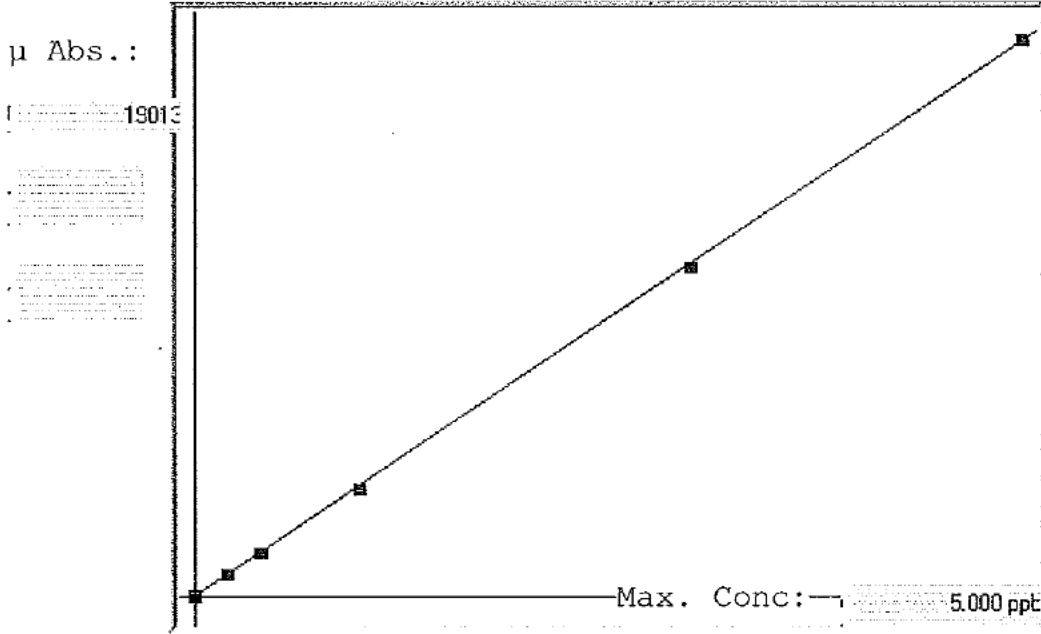
Label	Replicates Concentration		
Ag 328.068	-0.2046u	0.2231	0.3405
Al 308.215	-2.3432u	1.9360	0.4466
As 188.980	0.7297	4.5383	-5.1232u
B 249.678	-8.1576u	-9.1714u	-9.9179u
Ba 389.178	-0.3715u	0.4036	0.7301
Be 313.042	0.0017	-0.0066u	0.0010
Ca 370.602	-2.857u	1.307	-3.861u
Cd 226.502	-0.2162u	-0.0963u	-0.2900u
Co 228.615	-0.0355u	-0.1204u	0.4206
Cr 267.716	-0.1046u	0.1766	0.2295
Cu 324.754	-0.0447u	-0.4699u	0.3723
Fe 271.441	-7.8263u	-5.0680u	-9.2006u
K 766.491	-1.2600u	-1.2947u	-0.4378u
Mg 279.078	-0.9846u	0.6455	2.1587
Mn 257.610	-0.2758u	-0.4506u	-0.4624u
Mo 202.032	0.8477	0.1512	0.3278
Na 330.237	-62.7337u	66.6177	50.5548
Ni 231.604	0.9559	-0.2108u	-0.4269u
Pb 220.353	-0.9148u	-1.7617u	-1.7132u
Sb 206.834	5.6330	3.2865	3.3169
Se 196.026	2.5205	-6.7575u	-10.4774u
Sn 189.925	1.3149	0.4556	-0.3484u
Sr 216.596	-0.2923u	-0.1236u	0.0262
Ti 334.941	0.0598	-0.0085u	0.0514
Tl 190.794	2.0289	4.2227	2.9022
V 292.401	0.1289	0.1675	0.1752
Zn 206.200	-1.0259u	-0.3099u	-1.0616u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1197	ppb	0.2869	239.7	-27.7408
Al 308.215	0.0131	ppb	2.1723	16540.9	35.8165
As 188.980	0.0482	ppb	4.8667	10088.9	-5.0142
B 249.678	-9.0823	ppb	0.8836	9.7	245.455
Ba 389.178	0.2541	ppb	0.5658	222.7	-2.4129
Be 313.042	-0.0013	ppb	0.0046	356.4	-379.249
Ca 370.602	-1.803	ppb	2.740	152.0	9.493
Cd 226.502	-0.2008	ppb	0.0978	48.7	28.4229
Co 228.615	0.0882	ppb	0.2910	329.8	9.6479
Cr 267.716	0.1005	ppb	0.1796	178.7	10.9332
Cu 324.754	-0.0474	ppb	0.4211	887.4	263.543
Fe 271.441	-7.3650	ppb	2.1045	28.6	98.4044
K 766.491	-0.9975	ppb	0.4850	48.6	259.781
Mg 279.078	0.6065	ppb	1.5720	259.2	37.6839
Mn 257.610	-0.3962	ppb	0.1045	26.4	119.432
Mo 202.032	0.4422	ppb	0.3621	81.9	22.9442
Na 330.237	18.1462	ppb	70.5031	388.5	58.7402
Ni 231.604	0.1061	ppb	0.7439	701.3	-5.5173
Pb 220.353	-1.4632	ppb	0.4756	32.5	28.3092
Sb 206.834	4.0788	ppb	1.3460	33.0	7.1842
Se 196.026	-4.9048	ppb	6.6941	136.5	9.0413
Sn 189.925	0.4740	ppb	0.8318	175.5	-10.0911
Sr 216.596	-0.1299	ppb	0.1593	122.7	14.9097
Ti 334.941	0.0343	ppb	0.0372	108.7	-21.9035
Tl 190.794	3.0513	ppb	1.1045	36.2	-10.4096
V 292.401	0.1572	ppb	0.0248	15.8	-5.7470
Zn 206.200	-0.7992	ppb	0.4240	53.1	-0.9386



Hg Norm2

Linear



A= 0.0000e+000  
 B= 2.6398e-004  
 C= -1.5173e-003  
 Rho= 0.9999551  
 Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.014	0.014	58	2.055	58	61	56		
0.2	0.200	0.214	0.014	815	0.3 %	812	817	818		
0.4	0.400	0.401	0.001	1526	1.5 %	1498	1526	1554		
1.0	1.000	0.977	-0.023	3705	0.3 %	3690	3714	3712		
3.0	3.000	2.977	-0.023	11282	0.3 %	11234	11284	11328		
5.0	5.000	5.018	0.018	19013	1.0 %	18747	19085	19207		

## C05092013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 09 May 2013 16:57:51

Sample ID	Extended ID	Mean	Units	RSD	Date
blank		58	ppb	3.5225	09 May 2013 17:03:51
0.2		816	ppb	0.3218	09 May 2013 17:06:18
0.4		1526	ppb	1.4982	09 May 2013 17:08:46
1.0		3705	ppb	0.2934	09 May 2013 17:11:16
3.0		11282	ppb	0.3404	09 May 2013 17:13:43
5.0		19013	ppb	1.0234	09 May 2013 17:16:11
ICV		2.9863	ppb	1.0252	09 May 2013 17:18:37
ICB		0.0109	ppb	5.2367	09 May 2013 17:21:05
CRA		0.2120	ppb	0.3521	09 May 2013 17:23:32
CCV		2.5160	ppb	0.9618	09 May 2013 17:26:01
CCB		0.0119	ppb	2.0989	09 May 2013 17:28:29
mb 680-275961/1-a	(BCB)	0.0228	ppb	0.9466	09 May 2013 17:30:55
lcs 680-275961/2-a	(BCB)	2.7253	ppb	0.6523	09 May 2013 17:33:23
680-89957-a-21-b	(BCB)	1.1500	ppb	0.0676	09 May 2013 17:35:49
680-89957-a-22-b	(BCB)	0.7224	ppb	0.5711	09 May 2013 17:38:16
680-89957-a-23-b	(BCB)	0.2187	ppb	0.9920	09 May 2013 17:40:43
680-89985-b-3-d	(BCB)	3.1453	ppb	0.3564	09 May 2013 17:43:09
680-89985-b-3-e ms	(BCB)	3.7825	ppb	0.5180	09 May 2013 17:45:35
680-89985-b-3-f msd	(BCB)	3.9926	ppb	0.0502	09 May 2013 17:48:03
680-89985-b-10-b	(BCB)	1.7161	ppb	1.4771	09 May 2013 17:50:30
640-43464-c-1-c	(BCB)	2.8706	ppb	1.1752	09 May 2013 17:52:58
CCV		2.4138	ppb	1.4472	09 May 2013 17:55:26
CCB		-0.0083	ppb	-5.4105	09 May 2013 17:57:54
680-90016-a-1-b	(BCB)	0.1142	ppb	4.1582	09 May 2013 18:00:20
mb 680-275959/1-a	(BCB)	-0.0115	ppb	-16.2148	09 May 2013 18:02:49
lcs 680-275959/2-a	(BCB)	2.3393	ppb	0.6828	09 May 2013 18:05:17
680-89957-a-1-b	(BCB)	0.1062	ppb	1.5325	09 May 2013 18:07:44
680-89957-a-1-c ms	(BCB)	0.9673	ppb	1.7197	09 May 2013 18:10:10
680-89957-a-1-d msd	(BCB)	0.0958	ppb	1.4638	09 May 2013 18:12:39
680-89957-a-2-b	(BCB)	0.1519	ppb	1.1618	09 May 2013 18:15:06
680-89957-a-3-b	(BCB)	0.8691	ppb	1.6705	09 May 2013 18:17:32
680-89957-a-4-b	(BCB)	0.2471	ppb	1.6235	09 May 2013 18:20:02
680-89957-a-5-b	(BCB)	0.1309	ppb	17.1295	09 May 2013 18:22:30
CCV		2.2863	ppb	2.3051	09 May 2013 18:24:57
CCB		0.0043	ppb	5.0239	09 May 2013 18:27:25
680-89957-a-6-b	(BCB)	0.5897	ppb	0.8110	09 May 2013 18:29:52
680-89957-a-7-b	(BCB)	0.1929	ppb	1.7893	09 May 2013 18:32:20
680-89957-a-8-b	(BCB)	0.7235	ppb	2.0629	09 May 2013 18:34:48
680-89957-a-9-b	(BCB)	0.7461	ppb	2.3198	09 May 2013 18:37:17
680-89957-a-10-b	(BCB)	0.2988	ppb	0.9414	09 May 2013 18:39:48
680-89957-a-11-b	(BCB)	0.3066	ppb	0.5085	09 May 2013 18:42:15
680-89957-a-12-b	(BCB)	-0.0105	ppb	-5.4349	09 May 2013 18:44:42
680-89957-a-13-b	(BCB)	-0.0030	ppb	-10.9267	09 May 2013 18:47:09
680-89957-a-14-b	(BCB)	0.3398	ppb	1.6406	09 May 2013 18:49:35
680-89957-a-15-b	(BCB)	0.8675	ppb	0.6121	09 May 2013 18:52:03
CCV		2.4226	ppb	0.9264	09 May 2013 18:54:30
CCB		0.0075	ppb	5.7801	09 May 2013 18:56:57
680-89957-a-16-b	(BCB)	0.1633	ppb	1.9858	09 May 2013 18:59:24
680-89957-a-17-d	(BCB)	0.3341	ppb	8.6297	09 May 2013 19:01:52
680-89957-a-18-b	(BCB)	2.7579	ppb	0.9949	09 May 2013 19:04:19
680-89957-a-19-b	(BCB)	0.6731	ppb	1.6357	09 May 2013 19:06:47
680-89957-a-20-b	(BCB)	0.6011	ppb	1.6014	09 May 2013 19:09:15
mb 680-275956/1-a	(BCB)	0.0075	ppb	7.6463	09 May 2013 19:11:43
lcs 680-275956/2-a	(BCB)	0.7113	ppb	12.5685	09 May 2013 19:14:11
680-89958-a-1-d	(BCB)	0.2553	ppb	1.7443	09 May 2013 19:16:39
680-89958-b-2-b	(BCB)	-0.0008	ppb	-55.1642	09 May 2013 19:19:06
680-89958-a-3-b	(BCB)	0.1019	ppb	0.5324	09 May 2013 19:21:33
CCV		2.3606	ppb	1.2015	09 May 2013 19:24:01
CCB		0.0004	ppb	259.1911	09 May 2013 19:26:29
680-89958-b-4-b	(BCB)	-0.0022	ppb	-24.4200	09 May 2013 19:28:55
680-89958-a-5-b	(BCB)	0.1558	ppb	1.5404	09 May 2013 19:31:23
640-43463-a-3-b	(BCB)	0.1453	ppb	1.9290	09 May 2013 19:33:50
680-89985-b-16-b	(BCB)	5.6876	ppb	0.9846	09 May 2013 19:36:17
680-89985-a-27-b	(BCB)	1.4273	ppb	1.9444	09 May 2013 19:38:43
680-89985-a-28-b	(BCB)	3.1784	ppb	1.8600	09 May 2013 19:41:10
680-89985-a-29-b	(BCB)	5.2317	ppb	0.2330	09 May 2013 19:43:39
680-89985-a-29-c ms	(BCB)	6.9967	ppb	0.2799	09 May 2013 19:46:07

## C05092013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 09 May 2013 16:57:51

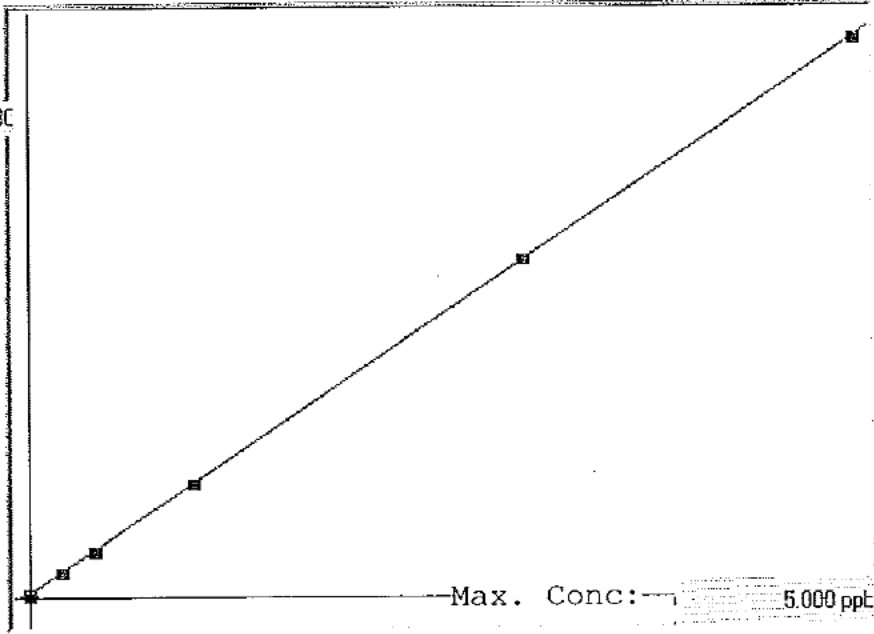
Sample ID	Extended ID	Mean	Units	RSD	Date
680-89985-a-29-d msd	(BCB)	7.2371	ppb	0.7983	09 May 2013 19:48:35
680-90061-a-1-a	(BCB)	0.1500	ppb	2.4929	09 May 2013 19:51:02
CCV		2.0538	ppb	1.1547	09 May 2013 19:53:29
CCB		(L)-0.2052	ppb	-0.4245	09 May 2013 19:55:56
680-89896-b-4-d	(BCB)	2.2878	ppb	1.8698	09 May 2013 19:58:24
680-89896-b-4-e ms	(BCB)	2.8249	ppb	0.0709	09 May 2013 20:00:52
680-89896-b-4-f msd	(BCB)	3.5794	ppb	0.2822	09 May 2013 20:03:21
680-89896-b-6-b	(BCB)	1.4695	ppb	0.7653	09 May 2013 20:05:49
680-89896-b-18-b	(BCB)	2.7227	ppb	1.1082	09 May 2013 20:08:16
680-89896-a-20-b	(BCB)	1.3666	ppb	0.2760	09 May 2013 20:10:45
680-89896-a-21-b	(BCB)	2.3101	ppb	1.6706	09 May 2013 20:13:11
680-89896-a-22-b	(BCB)	2.9898	ppb	1.4778	09 May 2013 20:15:40
lb 680-275485/6-d	(BCB)	-0.0012	ppb	-21.3573	09 May 2013 20:18:09
680-89882-a-2-g	(BCB)	-0.0030	ppb	-10.9267	09 May 2013 20:20:37
CCV		(L)1.9842	ppb	2.6881	09 May 2013 20:23:06
CCB		0.0055	ppb	12.5469	09 May 2013 20:25:34
680-89926-a-1-c	(BCB)	0.0399	ppb	5.4786	09 May 2013 20:28:00
680-89927-a-1-c	(BCB)	-0.0057	ppb	-30.7310	09 May 2013 20:30:28
680-89927-a-1-d ms	(BCB)	0.6876	ppb	1.7718	09 May 2013 20:32:56
680-89927-a-1-e msd	(BCB)	0.5141	ppb	4.6598	09 May 2013 20:35:23
CCV		(L)1.9104	ppb	2.7511	09 May 2013 20:37:51
CCB		0.0048	ppb	7.7482	09 May 2013 20:40:18
CCV		2.3380	ppb	0.4787	10 May 2013 09:17:09
CCB		-0.0108	ppb	-4.1374	10 May 2013 09:19:37
mb 680-275959/1-a	(BCB)	0.0199	ppb	2.8707	10 May 2013 09:22:05
lcs 680-275959/2-a	(BCB)	-0.0027	ppb	-9.3522	10 May 2013 09:24:33
680-89957-a-1-b	(BCB)	0.0441	ppb	12.0251	10 May 2013 09:26:59
680-89957-a-1-c ms	(BCB)	0.9318	ppb	2.4747	10 May 2013 09:29:25
680-89957-a-1-d msd	(BCB)	-0.0015	ppb	0.0000	10 May 2013 09:31:52

Hg Norm2

Linear

μ Abs.:

18130



A= 0.0000e+000

B= 2.7675e-004

C= -2.9670e-002

Rho= 0.9999824

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.011	-0.011	68	1.633	68	70	66		
0.2	0.200	0.199	-0.001	826	1.0 %	815	828	836		
0.4	0.400	0.396	-0.004	1537	0.4 %	1529	1539	1543		
1.0	1.000	1.011	0.011	3762	1.4 %	3695	3766	3825		
3.0	3.000	3.017	0.017	11008	0.7 %	10931	10985	11109		
5.0	5.000	4.988	-0.012	18130	0.5 %	18042	18101	18248		

## C05102013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 10 May 2013 09:51:12

Sample ID	Extended ID	Mean	Units	RSD	Date
blank		6	ppb	54.5507	10 May 2013 09:53:48
0.2		169	ppb	20.5970	10 May 2013 09:56:13
0.4		1	ppb	254.9510	10 May 2013 09:58:40
1.0		0	ppb	-1.#IND	10 May 2013 10:01:08
blank		64	ppb	6.4549	10 May 2013 10:05:15
0.2		763	ppb	0.9808	10 May 2013 10:07:41
0.4		-3	ppb	-72.0082	10 May 2013 10:10:10
1.0		0	ppb	-1.#IND	10 May 2013 10:12:38
blank		68	ppb	2.4015	10 May 2013 10:29:33
0.2		826	ppb	1.0473	10 May 2013 10:31:59
0.4		1537	ppb	0.3831	10 May 2013 10:34:27
1.0		3762	ppb	1.4127	10 May 2013 10:36:55
3.0		11008	ppb	0.6769	10 May 2013 10:39:22
5.0		18130	ppb	0.4778	10 May 2013 10:41:48
ICV		3.0618	ppb	0.7593	10 May 2013 10:44:14
ICB		-0.0180	ppb	-5.4578	10 May 2013 10:46:40
CRA		0.1971	ppb	1.2043	10 May 2013 10:49:06
CCV		2.6274	ppb	0.1057	10 May 2013 10:51:36
CCB		-0.0175	ppb	-2.2373	10 May 2013 10:54:05
mb 680-275959/1-a	(BCB)	0.0031	ppb	30.5603	10 May 2013 10:56:31
lcs 680-275959/2-a	(BCB)	2.8098	ppb	1.3230	10 May 2013 10:58:57
680-89957-a-1-b	(BCB)	0.0973	ppb	1.2795	10 May 2013 11:01:26
680-89957-a-1-c ms	(BCB)	1.1755	ppb	0.5768	10 May 2013 11:03:54
680-89957-a-1-d msd	(BCB)	1.1620	ppb	0.3947	10 May 2013 11:06:20
680-89957-a-2-b	(BCB)	0.1631	ppb	0.5598	10 May 2013 11:08:46
680-89957-a-3-b	(BCB)	0.9549	ppb	0.4169	10 May 2013 11:11:14
680-89957-a-4-b	(BCB)	0.2546	ppb	0.4554	10 May 2013 11:13:42
680-89957-a-5-b	(BCB)	0.4845	ppb	0.7329	10 May 2013 11:16:09
680-89957-a-6-b	(BCB)	0.5989	ppb	1.0976	10 May 2013 11:18:36
CCV		2.5155	ppb	0.2855	10 May 2013 11:21:05
CCB		-0.0207	ppb	-2.5183	10 May 2013 11:23:32
680-89957-a-7-b	(BCB)	0.5265	ppb	1.1819	10 May 2013 11:25:59
680-89957-a-8-b	(BCB)	0.8276	ppb	1.0940	10 May 2013 11:28:27
680-89957-a-9-b	(BCB)	0.8734	ppb	0.9580	10 May 2013 11:30:54
680-89957-a-10-b	(BCB)	0.2889	ppb	0.2070	10 May 2013 11:33:22
680-89957-a-11-b	(BCB)	0.2769	ppb	0.8256	10 May 2013 11:35:49
680-89957-a-12-b	(BCB)	0.5534	ppb	0.7562	10 May 2013 11:38:17
680-89957-a-13-b	(BCB)	0.3552	ppb	0.4688	10 May 2013 11:40:43
680-89957-a-14-b	(BCB)	0.3557	ppb	1.5696	10 May 2013 11:43:10
680-89957-a-15-b	(BCB)	0.8468	ppb	0.3407	10 May 2013 11:45:37
680-89957-a-16-b	(BCB)	0.1403	ppb	1.0351	10 May 2013 11:48:03
CCV		2.5977	ppb	0.9537	10 May 2013 11:50:30
CCB		-0.0112	ppb	-8.1390	10 May 2013 11:52:56
680-89957-a-17-d	(BCB)	0.6467	ppb	1.0312	10 May 2013 11:55:24
680-89957-a-18-b	(BCB)	2.6961	ppb	0.9985	10 May 2013 11:57:51
680-89957-a-19-b	(BCB)	0.6998	ppb	0.5712	10 May 2013 12:00:18
680-89957-a-20-b	(BCB)	0.6049	ppb	0.2450	10 May 2013 12:02:47
mb 680-275956/1-a	(BCB)	-0.0073	ppb	-8.8799	10 May 2013 12:05:14
lcs 680-275956/2-a	(BCB)	2.3249	ppb	0.4665	10 May 2013 12:07:41
680-89958-a-1-d	(BCB)	0.2589	ppb	2.2293	10 May 2013 12:10:08
680-89958-b-2-b	(BCB)	0.2346	ppb	0.8668	10 May 2013 12:12:34
680-89958-a-3-b	(BCB)	0.0693	ppb	1.9651	10 May 2013 12:15:03
680-89958-b-4-b	(BCB)	0.1465	ppb	1.9829	10 May 2013 12:17:29
CCV		2.4019	ppb	1.8207	10 May 2013 12:19:57
CCB		-0.0212	ppb	-2.4635	10 May 2013 12:22:24
680-89958-a-5-b	(BCB)	0.1213	ppb	1.6897	10 May 2013 12:24:50
640-43463-a-3-b	(BCB)	0.1047	ppb	1.4037	10 May 2013 12:27:17
680-89985-b-16-b	(BCB)	5.6953	ppb	0.9862	10 May 2013 12:29:45
680-89985-a-27-b	(BCB)	1.5712	ppb	1.9222	10 May 2013 12:32:12
680-89985-a-28-b	(BCB)	3.3727	ppb	1.2537	10 May 2013 12:34:40
680-89985-a-29-b	^5(BCB)	1.1492	ppb	0.6122	10 May 2013 12:37:09
680-89985-a-29-c ms	^5(BCB)	1.3490	ppb	1.0397	10 May 2013 12:39:38
680-89985-a-29-d msd	^5(BCB)	1.4949	ppb	1.8800	10 May 2013 12:42:05
680-90061-a-1-a	(BCB)	0.0454	ppb	2.7400	10 May 2013 12:44:32
680-89896-b-4-d	(BCB)	2.2869	ppb	0.8546	10 May 2013 12:46:59
CCV		2.3857	ppb	1.0629	10 May 2013 12:49:26
CCB		-0.0180	ppb	-1.9224	10 May 2013 12:51:53

## C05102013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 10 May 2013 09:51:12

Sample ID	Extended ID	Mean	Units	RSD	Date
680-89896-b-4-e ms	(BCB)	2.8187	ppb	0.3405	10 May 2013 12:54:20
680-89896-b-4-f msd	(BCB)	3.3790	ppb	1.0723	10 May 2013 12:56:47
680-89896-b-6-b	(BCB)	1.4909	ppb	1.0038	10 May 2013 12:59:16
680-89896-b-18-b	(BCB)	2.8311	ppb	0.4717	10 May 2013 13:01:43
680-89896-a-20-b	(BCB)	1.3407	ppb	1.3738	10 May 2013 13:04:09
680-89896-a-21-b	(BCB)	2.3888	ppb	1.4340	10 May 2013 13:06:38
680-89896-a-22-b	(BCB)	3.4300	ppb	1.4978	10 May 2013 13:09:06
lb 680-275485/6-d	(BCB)	-0.0253	ppb	-2.7249	10 May 2013 13:11:35
680-89882-a-2-g	(BCB)	0.0027	ppb	8.3401	10 May 2013 13:14:04
680-89926-a-1-c	(BCB)	-0.0081	ppb	-5.5905	10 May 2013 13:16:33
CCV		2.3658	ppb	1.5651	10 May 2013 13:19:01
CCB		-0.0173	ppb	-3.2854	10 May 2013 13:21:29
680-89927-a-1-c	(BCB)	0.0727	ppb	1.0763	10 May 2013 13:23:56
680-89927-a-1-d ms	(BCB)	0.7912	ppb	0.7573	10 May 2013 13:26:23
680-89927-a-1-e msd	(BCB)	0.7569	ppb	0.7855	10 May 2013 13:28:51
CCV		2.3873	ppb	1.4960	10 May 2013 13:31:19
CCB		-0.0213	ppb	-2.4528	10 May 2013 13:33:47
680-89985-b-16-b	^5	1.0941	ppb	0.5937	10 May 2013 13:43:00
CCV		2.2972	ppb	0.3501	10 May 2013 13:45:26
CCB		-0.0221	ppb	-1.5614	10 May 2013 13:47:53



METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Batch Number: 275575 Batch Start Date: 05/06/13 08:40 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 05/06/13 13:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00002	MS_LCS1_WK 00003	MS_LCS2_wk 00144
MB 680-275575/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-275575/2		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-89985-B-3	CV1067B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-89985-B-3 MS	CV1067B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	1 mL	1 mL	1 mL
680-89985-B-3 MSD	CV1067B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	1 mL	1 mL	1 mL
680-89985-B-10	CV1114B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			
680-89985-B-16	CV1006A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-89985-A-27	CV1114B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-89985-A-28	CV1067B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-89985-A-29	CV1006A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Batch Number: 275575 Batch Start Date: 05/06/13 08:40 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 05/06/13 13:17

Batch Notes	
Analyst	JL
Balance ID	25
Blank Soil Lot Number	2958846
Hydrogen peroxide lot number	3058306
Lot # of hydrochloric acid	3053717
Lot # of Nitric Acid	3077490
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.: 680-89985-3

SDG No.: 68089985-3

Batch Number: 275956 Batch Start Date: 05/08/13 12:47 Batch Analyst: Umbehrr, Uli

Batch Method: 7471B Batch End Date: 05/08/13 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00086	Hg_Int_Cal 00092		
MB 680-275956/1		7471B, 7471B		0.50 g	50 mL				
LCS 680-275956/2		7471B, 7471B		0.51 g	50 mL		0.25 mL		
680-89985-B-16	CV1006A-CS	7471B, 7471B	T	0.52 g	50 mL				
680-89985-A-27	CV1114B-CS (sieve)	7471B, 7471B	T	0.51 g	50 mL				
680-89985-A-28	CV1067B-CS (sieve)	7471B, 7471B	T	0.53 g	50 mL				
680-89985-A-29	CV1006A-CS (sieve)	7471B, 7471B	T	0.53 g	50 mL				
680-89985-A-29 MS	CV1006A-CS (sieve)	7471B, 7471B	T	0.55 g	50 mL		0.1 mL		
680-89985-A-29 MSD	CV1006A-CS (sieve)	7471B, 7471B	T	0.58 g	50 mL		0.1 mL		
CCV 680-275956/37		7471B, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-275956/38		7471B, 7471B		50 mL	50 mL				
ICV 680-275956/40		7471B, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-275956/41		7471B, 7471B		50 mL	50 mL				
CRA 680-275956/42		7471B, 7471B		50 mL	50 mL		0.02 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.: 680-89985-3

SDG No.: 68089985-3

Batch Number: 275956 Batch Start Date: 05/08/13 12:47 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 05/08/13 17:15

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
Repitettor 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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89985-3

SDG No.: 68089985-3

Batch Number: 275961 Batch Start Date: 05/08/13 13:09 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 05/08/13 19:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00092			
MB 680-275961/1		7471B, 7471B		0.51 g	50 mL				
LCS 680-275961/2		7471B, 7471B		0.56 g	50 mL	0.25 mL			
680-89985-B-3	CV1067B-CS	7471B, 7471B	T	0.52 g	50 mL				
680-89985-B-3 MS	CV1067B-CS	7471B, 7471B	T	0.59 g	50 mL	0.1 mL			
680-89985-B-3 MSD	CV1067B-CS	7471B, 7471B	T	0.57 g	50 mL	0.1 mL			
680-89985-B-10	CV1114B-CS	7471B, 7471B	T	0.53 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.: 680-89985-3

SDG No.: 68089985-3

Batch Number: 275961 Batch Start Date: 05/08/13 13:09 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 05/08/13 19:20

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046703
Hydroxylamine Hydrochloride Lot	3071776
Aqua Regia Lot Number	3098917
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	2939890
Potassium Permanganate Lot Number	2975605
NaCL Lot #	2980895
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	96 Degrees C
Oven, Bath or Block Temperature 2	96 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	05/07/13
Stannous Chloride Lot Number	3001829
SOP Number	ME028
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J161651-263-100
Uncorrected Temperature	96 Celsius
Uncorrected Temperature 2	96 Celsius

Basis	Basis Description
T	Total/NA

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

Serial Number 64600

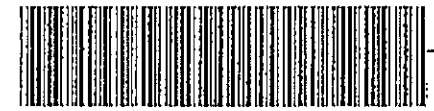
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

Alternate Laboratory Name/Location  
**Test Am Tampa**



680-89985-01 Chain of Custody

PROJECT REFERENCE <b>35th Ave Removal</b>	PROJECT NO. <b>2005148-1356</b>	PROJECT LOCATION (STATE) <b>AL</b>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <b>1</b> OF <b>3</b>
TAL (LAB) PROJECT MANAGER <b>Lisa Harvey</b>	P.O. NUMBER	CONTRACT NO.	DATE	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE

**(b) (6)**

LLPAH	PCPA & Metals	<b>PRESERVATIVE</b>	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE
			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

SAMPLE DATE	TIME	SAMPLE IDENTIFICATION	COMPOS	AQUEOUS	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS			
								1	2	3	4	5	6	7	8	9	10		11	12	
5-1-13	1000	CV0725A-CS	C	X			X														
	1040	CV1067A-CS	C	X			X														
	1050	CV1067B-CS	C	X			X	X													
	0920	HP0333A-CS	C	X			X														
	0920	HP0333A-CSD	C	X			X														
	0930	HP0333B-CS	C	X			X														
	0850	HP0333A-CS	C	X			X														
	1325	CV1114A-CS	C	X			X														
	1325	CV1114A-CSD	C	X			X														
	1335	CV1114B-CS	C	X			X	X													
	1245	CV1166A-CS	C	X			X														
	1250	CV1166B-CS	C	X			X														

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 5-2-13	TIME 1600	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE 5/3/13	TIME 1115	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

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 <b>1080-89985</b> <b>5.2. (u-07)</b>
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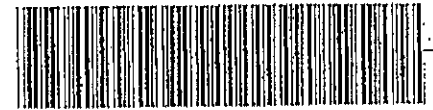
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

Alternate Laboratory Name/Location



680-89985-02 Chain of Custody

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</i> OF <i>3</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harven</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	22 PAH PCBs & Metals  <b>PRESERVATIVE</b>	STANDARD REPORT DELIVERY <input type="radio"/>
			AQUEOUS (WATER)		DATE DUE _____
			SOLID OR SEMI-SOLID	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	
			AIR	DATE DUE _____	
			NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

(b) (6)

(b) (6)

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMI-SOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS								REMARKS	
DATE	TIME							1	2	3	4	5	6	7	8		9
5-1-B	1250	CN1166B - CSD	C	X			X										
	1400	CN1177A - CS	C	X			X										
	1410	CN1177B - CS	C	X			X										
5-2-B	1000	CN1006A - CS	C	X			X	X									
	1010	CN1006B - CS	C	X			X										
	0920	CN1165A - CS	C	X			X										
	0930	CN1165B - CS	C	X			X										
	0930	CN1165B - CSD	C	X			X										
	1215	CN1237A - CS	C	X			X										
	1225	CN1237B - CS	C	X			X										
	1250	CN1302A - CS	C	X			X										
	1255	CN1302B - CS	C	X			X										

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>5-2-13</i>	TIME <i>1600</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
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RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>5/3/13</i>	TIME <i>1115</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
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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 <i>1080-89985</i>		



Serial Number 64602

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

Alternate Laboratory Name/Location  
*Test Am Tampa*



680-89985-03 Chain of Custody

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i> OF <i>3</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	STANDARD REPORT DELIVERY <input type="radio"/> DATE DUE _____  EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/> DATE DUE _____  NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
(b) (6)	(6)		AQUEOUS (WATER)		
			SOLID OR SEMISOLID		
			AIR		
			NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	PRESERVATIVE	

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
DATE	TIME									
<i>5-2-13</i>	<i>1320</i>	<i>CV 1322A - CS</i>					<input checked="" type="checkbox"/>			
<i>5-2-13</i>	<i>1330</i>	<i>CV 1322B - CS</i>					<input checked="" type="checkbox"/>			
<i>5-1-13</i>	<i>1335</i>	<i>CV 1114 B - CS (sieve)</i>						<input checked="" type="checkbox"/>		
<i>5-1-13</i>	<i>1050</i>	<i>CV 1067B - CS (sieve)</i>						<input checked="" type="checkbox"/>		
<i>5-2-13</i>	<i>1000</i>	<i>CV 1006A - CS (sieve)</i>						<input checked="" type="checkbox"/>		

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>6-2-13</i>	TIME <i>1600</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>5/5/13</i>	TIME <i>1115</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 <i>1080-89985</i>

## Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

SDG Number: 68089985-3

**Login Number: 89985**  
**List Number: 1**  
**Creator: Snead, Joshua**

**List Source: TestAmerica Savannah**

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

SDG Number: 68089985-3

**Login Number: 89985**

**List Source: TestAmerica Tampa**

**List Number: 1**

**List Creation: 05/03/13 06:29 PM**

**Creator: Redding, Charles S**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# 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: 680-89985-3

TestAmerica Sample Delivery Group: 68089985-3

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:

5/15/2013 8:45:10 AM

Bernard Kirkland, Project Manager I

(912)354-7858 e.3238

[bernard.kirkland@testamericainc.com](mailto:bernard.kirkland@testamericainc.com)

Designee for

Lisa Harvey, Project Manager II

[lisa.harvey@testamericainc.com](mailto: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.*



### LINKS

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# Case Narrative

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

TestAmerica Job ID: 680-89985-3  
SDG: 68089985-3

**Job ID: 680-89985-3**

**Laboratory: TestAmerica Savannah**

**Narrative**

## CASE NARRATIVE

**Client: Oneida Total Integrated Enterprises LLC**

**Project: 35th Avenue Superfund Site**

**Report Number: 680-89985-3**

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 05/03/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 4.4° C, 5.2° C and 5.6° C.

### **METALS (ICP)**

Samples CV1067B-CS (680-89985-3), CV1114B-CS (680-89985-10), CV1006A-CS (680-89985-16), CV1114B-CS (sieve) (680-89985-27), CV1067B-CS (sieve) (680-89985-28) and CV1006A-CS (sieve) (680-89985-29) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 05/06/2013 and analyzed on 05/08/2013.

Sample CV1067B CS (680 89985 3)[5X] required dilution prior to analysis The reporting limits have been adjusted accordingly

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1067B-CS (680-89985-3) in batch 680-276179. Also, Lead and Barium 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 CV1067B-CS (680-89985-3), CV1114B-CS (680-89985-10), CV1006A-CS (680-89985-16), CV1114B-CS (sieve) (680-89985-27), CV1067B-CS (sieve) (680-89985-28) and CV1006A-CS (sieve) (680-89985-29) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 05/08/2013 and analyzed on 05/09/2013 and 05/10/2013.

Samples CV1006A-CS (680-89985-16)[5X] and CV1006A-CS (sieve) (680-89985-29)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS of sample CV1006A-CS (sieve) (680-89985-29) in batch 680-276327.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1067B-CS (680-89985-3) in batch 680-276240.

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

## Case Narrative

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

TestAmerica Job ID: 680-89985-3  
SDG: 68089985-3

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### Job ID: 680-89985-3 (Continued)

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#### Laboratory: TestAmerica Savannah (Continued)

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

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# Sample Summary

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

TestAmerica Job ID: 680-89985-3  
SDG: 68089985-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89985-3	CV1067B-CS	Solid	05/01/13 10:50	05/03/13 11:15
680-89985-10	CV1114B-CS	Solid	05/01/13 13:35	05/03/13 11:15
680-89985-16	CV1006A-CS	Solid	05/02/13 10:00	05/03/13 11:15
680-89985-27	CV1114B-CS (sieve)	Solid	05/01/13 13:35	05/03/13 11:15
680-89985-28	CV1067B-CS (sieve)	Solid	05/01/13 10:50	05/03/13 11:15
680-89985-29	CV1006A-CS (sieve)	Solid	05/02/13 10:00	05/03/13 11:15

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# Method Summary

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

TestAmerica Job ID: 680-89985-3  
SDG: 68089985-3

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:**

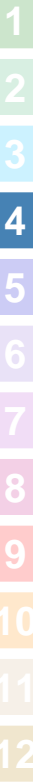
EPA = US Environmental Protection Agency

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: 680-89985-3  
SDG: 68089985-3

### 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.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

**Client Sample ID: CV1067B-CS**

**Lab Sample ID: 680-89985-3**

Date Collected: 05/01/13 10:50  
 Date Received: 05/03/13 11:15

Matrix: Solid  
 Percent Solids: 73.4

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31		2.7	0.79	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Barium	530		6.7	2.0	mg/Kg	☼	05/06/13 08:40	05/08/13 17:34	5
Cadmium	7.4		0.67	0.13	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Chromium	72		1.3	0.67	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Lead	490		1.3	0.71	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Selenium	3.3	U	3.3	1.3	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	1
Silver	0.34	J	1.3	0.13	mg/Kg	☼	05/06/13 08:40	05/08/13 06:47	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	0.41		0.026	0.011	mg/Kg	☼	05/08/13 13:09	05/09/13 17:43	1

**Client Sample ID: CV1114B-CS**

**Lab Sample ID: 680-89985-10**

Date Collected: 05/01/13 13:35  
 Date Received: 05/03/13 11:15

Matrix: Solid  
 Percent Solids: 81.6

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31		2.1	0.62	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Barium	200		1.0	0.31	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Cadmium	2.6		0.52	0.10	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Chromium	110		1.0	0.52	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Lead	210		1.0	0.56	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Selenium	2.6	U	2.6	1.0	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1
Silver	1.0	U	1.0	0.10	mg/Kg	☼	05/06/13 08:40	05/08/13 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.023	0.0095	mg/Kg	☼	05/08/13 13:09	05/09/13 17:50	1

**Client Sample ID: CV1006A-CS**

**Lab Sample ID: 680-89985-16**

Date Collected: 05/02/13 10:00  
 Date Received: 05/03/13 11:15

Matrix: Solid  
 Percent Solids: 79.9

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	37		2.4	0.70	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Barium	270		1.2	0.36	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Cadmium	1.3		0.60	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Chromium	76		1.2	0.60	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Lead	320		1.2	0.63	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	05/06/13 08:40	05/08/13 07:09	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	0.66		0.12	0.049	mg/Kg	☼	05/08/13 12:47	05/10/13 13:43	5

# Client Sample Results

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Client Sample ID: CV1114B-CS (sieve)

## Lab Sample ID: 680-89985-27

Date Collected: 05/01/13 13:35

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 81.8

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.3	0.69	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Barium	250		1.2	0.35	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Cadmium	3.6		0.58	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Chromium	55		1.2	0.58	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Lead	280		1.2	0.62	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1
Silver	0.11	J	1.2	0.11	mg/Kg	☼	05/06/13 08:40	05/08/13 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.024	0.0098	mg/Kg	☼	05/08/13 12:47	05/10/13 12:32	1

## Client Sample ID: CV1067B-CS (sieve)

## Lab Sample ID: 680-89985-28

Date Collected: 05/01/13 10:50

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 77.4

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		2.4	0.72	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Barium	520		1.2	0.37	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Cadmium	11		0.61	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Chromium	69		1.2	0.61	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Lead	750		1.2	0.65	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1
Silver	0.54	J	1.2	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.41		0.024	0.010	mg/Kg	☼	05/08/13 12:47	05/10/13 12:34	1

## Client Sample ID: CV1006A-CS (sieve)

## Lab Sample ID: 680-89985-29

Date Collected: 05/02/13 10:00

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 76.7

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		2.5	0.73	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Barium	330		1.2	0.37	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Cadmium	1.7		0.61	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Chromium	93		1.2	0.61	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Lead	550		1.2	0.65	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Selenium	3.1	U	3.1	1.2	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	05/06/13 08:40	05/08/13 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.71		0.12	0.050	mg/Kg	☼	05/08/13 12:47	05/10/13 12:37	5

TestAmerica Savannah

# QC Sample Results

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 680-275575/1-A**  
**Matrix: Solid**  
**Analysis Batch: 275916**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 275575**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.58	mg/Kg		05/06/13 08:40	05/08/13 05:14	1
Barium	0.98	U	0.98	0.29	mg/Kg		05/06/13 08:40	05/08/13 05:14	1
Cadmium	0.49	U	0.49	0.098	mg/Kg		05/06/13 08:40	05/08/13 05:14	1
Chromium	0.98	U	0.98	0.49	mg/Kg		05/06/13 08:40	05/08/13 05:14	1
Lead	0.98	U	0.98	0.52	mg/Kg		05/06/13 08:40	05/08/13 05:14	1
Selenium	2.5	U	2.5	0.98	mg/Kg		05/06/13 08:40	05/08/13 05:14	1
Silver	0.98	U	0.98	0.094	mg/Kg		05/06/13 08:40	05/08/13 05:14	1

**Lab Sample ID: LCS 680-275575/2-A**  
**Matrix: Solid**  
**Analysis Batch: 275916**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 275575**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	9.90	10.2		mg/Kg		103	75 - 125
Barium	9.90	10.2		mg/Kg		103	75 - 125
Cadmium	4.95	5.16		mg/Kg		104	75 - 125
Chromium	9.90	10.4		mg/Kg		105	75 - 125
Lead	4.95	4.86		mg/Kg		98	75 - 125
Selenium	9.90	9.39		mg/Kg		95	75 - 125
Silver	4.95	4.86		mg/Kg		98	75 - 125

**Lab Sample ID: 680-89985-3 MS**  
**Matrix: Solid**  
**Analysis Batch: 275916**

**Client Sample ID: CV1067B-CS**  
**Prep Type: Total/NA**  
**Prep Batch: 275575**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	31		13.2	48.9	F	mg/Kg	☼	132	75 - 125
Cadmium	7.4		6.61	14.0		mg/Kg	☼	100	75 - 125
Chromium	72		13.2	89.7	4	mg/Kg	☼	137	75 - 125
Lead	490		6.61	564	4	mg/Kg	☼	1166	75 - 125
Selenium	3.3	U	13.2	11.3		mg/Kg	☼	85	75 - 125
Silver	0.34	J	6.61	6.74		mg/Kg	☼	97	75 - 125

**Lab Sample ID: 680-89985-3 MS**  
**Matrix: Solid**  
**Analysis Batch: 276179**

**Client Sample ID: CV1067B-CS**  
**Prep Type: Total/NA**  
**Prep Batch: 275575**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	530		13.2	861	4	mg/Kg	☼	2486	75 - 125

**Lab Sample ID: 680-89985-3 MSD**  
**Matrix: Solid**  
**Analysis Batch: 275916**

**Client Sample ID: CV1067B-CS**  
**Prep Type: Total/NA**  
**Prep Batch: 275575**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	31		13.2	46.4		mg/Kg	☼	114	75 - 125	5	20
Cadmium	7.4		6.61	12.9		mg/Kg	☼	83	75 - 125	8	20
Chromium	72		13.2	74.7	4	mg/Kg	☼	23	75 - 125	18	20
Lead	490		6.61	1440	4 F	mg/Kg	☼	14359	75 - 125	87	20

TestAmerica Savannah

# QC Sample Results

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-89985-3 MSD  
 Matrix: Solid  
 Analysis Batch: 275916

Client Sample ID: CV1067B-CS  
 Prep Type: Total/NA  
 Prep Batch: 275575

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Selenium	3.3	U	13.2	11.4		mg/Kg	☼	86	75 - 125	1	20
Silver	0.34	J	6.61	6.36		mg/Kg	☼	91	75 - 125	6	20

Lab Sample ID: 680-89985-3 MSD  
 Matrix: Solid  
 Analysis Batch: 276179

Client Sample ID: CV1067B-CS  
 Prep Type: Total/NA  
 Prep Batch: 275575

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Barium	530		13.2	1660	4 F	mg/Kg	☼	8556	75 - 125	64	20

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

Lab Sample ID: MB 680-275956/1-A  
 Matrix: Solid  
 Analysis Batch: 276327

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 275956

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.020	U	0.020	0.0082	mg/Kg		05/08/13 12:47	05/10/13 12:05	1

Lab Sample ID: LCS 680-275956/2-A  
 Matrix: Solid  
 Analysis Batch: 276327

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 275956

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec.
			Result	Qualifier				Limits
Mercury	0.245		0.228		mg/Kg		93	80 - 120

Lab Sample ID: 680-89985-29 MS  
 Matrix: Solid  
 Analysis Batch: 276327

Client Sample ID: CV1006A-CS (sieve)  
 Prep Type: Total/NA  
 Prep Batch: 275956

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Mercury	0.71		0.119	0.799	4	mg/Kg	☼	78	80 - 120

Lab Sample ID: 680-89985-29 MSD  
 Matrix: Solid  
 Analysis Batch: 276327

Client Sample ID: CV1006A-CS (sieve)  
 Prep Type: Total/NA  
 Prep Batch: 275956

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Mercury	0.71		0.112	0.840	4	mg/Kg	☼	119	80 - 120	5	20

Lab Sample ID: MB 680-275961/1-A  
 Matrix: Solid  
 Analysis Batch: 276240

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 275961

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.020	U	0.020	0.0080	mg/Kg		05/08/13 13:09	05/09/13 17:30	1

# QC Sample Results

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

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

**Lab Sample ID: LCS 680-275961/2-A**  
**Matrix: Solid**  
**Analysis Batch: 276240**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 275961**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.223	0.243		mg/Kg		109	80 - 120

**Lab Sample ID: 680-89985-3 MS**  
**Matrix: Solid**  
**Analysis Batch: 276240**

**Client Sample ID: CV1067B-CS**  
**Prep Type: Total/NA**  
**Prep Batch: 275961**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.41		0.115	0.437	F	mg/Kg	☼	21	80 - 120

**Lab Sample ID: 680-89985-3 MSD**  
**Matrix: Solid**  
**Analysis Batch: 276240**

**Client Sample ID: CV1067B-CS**  
**Prep Type: Total/NA**  
**Prep Batch: 275961**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.41		0.120	0.477	F	mg/Kg	☼	54	80 - 120	9	20

# QC Association Summary

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Metals

### Prep Batch: 275575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-3	CV1067B-CS	Total/NA	Solid	3050B	
680-89985-3 MS	CV1067B-CS	Total/NA	Solid	3050B	
680-89985-3 MSD	CV1067B-CS	Total/NA	Solid	3050B	
680-89985-10	CV1114B-CS	Total/NA	Solid	3050B	
680-89985-16	CV1006A-CS	Total/NA	Solid	3050B	
680-89985-27	CV1114B-CS (sieve)	Total/NA	Solid	3050B	
680-89985-28	CV1067B-CS (sieve)	Total/NA	Solid	3050B	
680-89985-29	CV1006A-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-275575/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-275575/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 275916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-3	CV1067B-CS	Total/NA	Solid	6010C	275575
680-89985-3 MS	CV1067B-CS	Total/NA	Solid	6010C	275575
680-89985-3 MSD	CV1067B-CS	Total/NA	Solid	6010C	275575
680-89985-10	CV1114B-CS	Total/NA	Solid	6010C	275575
680-89985-16	CV1006A-CS	Total/NA	Solid	6010C	275575
680-89985-27	CV1114B-CS (sieve)	Total/NA	Solid	6010C	275575
680-89985-28	CV1067B-CS (sieve)	Total/NA	Solid	6010C	275575
680-89985-29	CV1006A-CS (sieve)	Total/NA	Solid	6010C	275575
LCS 680-275575/2-A	Lab Control Sample	Total/NA	Solid	6010C	275575
MB 680-275575/1-A	Method Blank	Total/NA	Solid	6010C	275575

### Prep Batch: 275956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-16	CV1006A-CS	Total/NA	Solid	7471B	
680-89985-27	CV1114B-CS (sieve)	Total/NA	Solid	7471B	
680-89985-28	CV1067B-CS (sieve)	Total/NA	Solid	7471B	
680-89985-29	CV1006A-CS (sieve)	Total/NA	Solid	7471B	
680-89985-29 MS	CV1006A-CS (sieve)	Total/NA	Solid	7471B	
680-89985-29 MSD	CV1006A-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-275956/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-275956/1-A	Method Blank	Total/NA	Solid	7471B	

### Prep Batch: 275961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-3	CV1067B-CS	Total/NA	Solid	7471B	
680-89985-3 MS	CV1067B-CS	Total/NA	Solid	7471B	
680-89985-3 MSD	CV1067B-CS	Total/NA	Solid	7471B	
680-89985-10	CV1114B-CS	Total/NA	Solid	7471B	
LCS 680-275961/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-275961/1-A	Method Blank	Total/NA	Solid	7471B	

### Analysis Batch: 276179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-3	CV1067B-CS	Total/NA	Solid	6010C	275575
680-89985-3 MS	CV1067B-CS	Total/NA	Solid	6010C	275575
680-89985-3 MSD	CV1067B-CS	Total/NA	Solid	6010C	275575

# QC Association Summary

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Metals (Continued)

### Analysis Batch: 276240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-3	CV1067B-CS	Total/NA	Solid	7471B	275961
680-89985-3 MS	CV1067B-CS	Total/NA	Solid	7471B	275961
680-89985-3 MSD	CV1067B-CS	Total/NA	Solid	7471B	275961
680-89985-10	CV1114B-CS	Total/NA	Solid	7471B	275961
LCS 680-275961/2-A	Lab Control Sample	Total/NA	Solid	7471B	275961
MB 680-275961/1-A	Method Blank	Total/NA	Solid	7471B	275961

### Analysis Batch: 276327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-16	CV1006A-CS	Total/NA	Solid	7471B	275956
680-89985-27	CV1114B-CS (sieve)	Total/NA	Solid	7471B	275956
680-89985-28	CV1067B-CS (sieve)	Total/NA	Solid	7471B	275956
680-89985-29	CV1006A-CS (sieve)	Total/NA	Solid	7471B	275956
680-89985-29 MS	CV1006A-CS (sieve)	Total/NA	Solid	7471B	275956
680-89985-29 MSD	CV1006A-CS (sieve)	Total/NA	Solid	7471B	275956
LCS 680-275956/2-A	Lab Control Sample	Total/NA	Solid	7471B	275956
MB 680-275956/1-A	Method Blank	Total/NA	Solid	7471B	275956

## General Chemistry

### Analysis Batch: 137139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-3	CV1067B-CS	Total/NA	Solid	Moisture	
680-89985-3 MS	CV1067B-CS	Total/NA	Solid	Moisture	
680-89985-3 MSD	CV1067B-CS	Total/NA	Solid	Moisture	
680-89985-10	CV1114B-CS	Total/NA	Solid	Moisture	
680-89985-16	CV1006A-CS	Total/NA	Solid	Moisture	

### Analysis Batch: 275792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89985-27	CV1114B-CS (sieve)	Total/NA	Solid	Moisture	
680-89985-28	CV1067B-CS (sieve)	Total/NA	Solid	Moisture	
680-89985-29	CV1006A-CS (sieve)	Total/NA	Solid	Moisture	



# Lab Chronicle

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

**Client Sample ID: CV1067B-CS**

**Lab Sample ID: 680-89985-3**

Date Collected: 05/01/13 10:50

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		1	275916	05/08/13 06:47	BCB	TAL SAV
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		5	276179	05/08/13 17:34	BCB	TAL SAV
Total/NA	Prep	7471B			275961	05/08/13 13:09	UU	TAL SAV
Total/NA	Analysis	7471B		1	276240	05/09/13 17:43	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	137139	05/06/13 10:22	AG	TAL TAM

**Client Sample ID: CV1114B-CS**

**Lab Sample ID: 680-89985-10**

Date Collected: 05/01/13 13:35

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		1	275916	05/08/13 07:03	BCB	TAL SAV
Total/NA	Prep	7471B			275961	05/08/13 13:09	UU	TAL SAV
Total/NA	Analysis	7471B		1	276240	05/09/13 17:50	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	137139	05/06/13 10:22	AG	TAL TAM

**Client Sample ID: CV1006A-CS**

**Lab Sample ID: 680-89985-16**

Date Collected: 05/02/13 10:00

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		1	275916	05/08/13 07:09	BCB	TAL SAV
Total/NA	Prep	7471B			275956	05/08/13 12:47	UU	TAL SAV
Total/NA	Analysis	7471B		5	276327	05/10/13 13:43	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	137139	05/06/13 10:22	AG	TAL TAM

**Client Sample ID: CV1114B-CS (sieve)**

**Lab Sample ID: 680-89985-27**

Date Collected: 05/01/13 13:35

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		1	275916	05/08/13 07:14	BCB	TAL SAV
Total/NA	Prep	7471B			275956	05/08/13 12:47	UU	TAL SAV
Total/NA	Analysis	7471B		1	276327	05/10/13 12:32	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	275792	05/07/13 14:24	FS	TAL SAV

# Lab Chronicle

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

TestAmerica Job ID: 680-89985-3  
 SDG: 68089985-3

## Client Sample ID: CV1067B-CS (sieve)

Lab Sample ID: 680-89985-28

Date Collected: 05/01/13 10:50

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		1	275916	05/08/13 07:19	BCB	TAL SAV
Total/NA	Prep	7471B			275956	05/08/13 12:47	UU	TAL SAV
Total/NA	Analysis	7471B		1	276327	05/10/13 12:34	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	275792	05/07/13 14:24	FS	TAL SAV

## Client Sample ID: CV1006A-CS (sieve)

Lab Sample ID: 680-89985-29

Date Collected: 05/02/13 10:00

Matrix: Solid

Date Received: 05/03/13 11:15

Percent Solids: 76.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			275575	05/06/13 08:40	JKL	TAL SAV
Total/NA	Analysis	6010C		1	275916	05/08/13 07:25	BCB	TAL SAV
Total/NA	Prep	7471B			275956	05/08/13 12:47	UU	TAL SAV
Total/NA	Analysis	7471B		5	276327	05/10/13 12:37	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	275792	05/07/13 14:24	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

Alternate Laboratory Name/Location  
**Test Am Tampa**



680-89985-01 Chain of Custody

PROJECT REFERENCE <b>35th Ave Removal</b>	PROJECT NO. <b>2005148-13 SG</b>	PROJECT LOCATION (STATE) <b>AL</b>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <b>1</b> OF <b>3</b>
TAL (LAB) PROJECT MANAGER <b>Lisa Harvey</b>	P.O. NUMBER	CONTRACT NO.	AVE		STANDARD REPORT DELIVERY <input type="checkbox"/>

**(b) (6)**

DATE	TIME	SAMPLE IDENTIFICATION	COMPOS	AQUEOUS	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	PCPA & Metals	REQUIRED ANALYSIS	STANDARD REPORT DELIVERY
											DATE DUE
											EXPEDITED REPORT DELIVERY (SURCHARGE)
											DATE DUE
											NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

DATE	TIME	SAMPLE IDENTIFICATION	COMPOS	AQUEOUS	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	PCPA & Metals	REQUIRED ANALYSIS	REMARKS
5-1-13	1000	CN0725A-CS	C	X			X				
	1040	CN1067A-CS	C	X			X				
	1050	CN1067B-CS	C	X			X	X			
	0920	HP0333A-CS	C	X			X				
	0920	HP0333A-CSD	C	X			X				
	0930	HP0333B-CS	C	X			X				
	0850	HP0334A-CS	C	X			X				
	1325	CN1114A-CS	C	X			X				
	1325	CN1114A-CSD	C	X			X				
	1335	CN1114B-CS	C	X			X	X			
	1245	CN1166A-CS	C	X			X				
	1250	CN1166B-CS	C	X			X				

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 5-2-13	TIME 1600	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE 5/3/13	TIME 1115	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

CUSTODY INTACT YES  NO

CUSTODY SEAL NO. \_\_\_\_\_ SAVANNAH LOG NO. \_\_\_\_\_

LABORATORY REMARKS  
**1080-89985**  
**5.2.1 (A-07)**



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

Alternate Laboratory Name/Location



680-89985-02 Chain of Custody

PROJECT REFERENCE <b>35th Ave Removal</b>	PROJECT NO. <b>2005148-1356</b>	PROJECT LOCATION (STATE) <b>AL</b>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <b>2</b> OF <b>3</b>
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TAL (LAB) PROJECT MANAGER <b>Lisa Harven</b>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) (INDICATE)	ACQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY <input type="checkbox"/>	DATE DUE	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="checkbox"/>	DATE DUE
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**(b) (6)**

<b>PRESERVATIVE</b>								NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
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SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) (INDICATE)	ACQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED				REMARKS
DATE	TIME							1	2	3	4	
5-1-B	1250	CN1166B - CSD	C	X			X					
	1400	CN1177A - CS	C	X			X					
	1410	CN1177B - CS	C	X			X					
5-2-B	1000	CV1006A - CS	C	X			X	X				
	1010	CV1006B - CS	C	X			X					
	0920	CV1165A - CS	C	X			X					
	0930	CV1165B - CS	C	X			X					
	0930	CV1165B - CSD	C	X			X					
	1215	CV1237A - CS	C	X			X					
	1225	CV1237B - CS	C	X			X					
	1250	CV1302A - CS	C	X			X					
	1255	CV1302B - CS	C	X			X					

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <b>5-2-13</b>	TIME <b>1600</b>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <b>5/3/13</b>	TIME <b>1115</b>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

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 <b>1080-89985</b>
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## Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

SDG Number: 68089985-3

**Login Number: 89985**

**List Number: 1**

**Creator: Snead, Joshua**

**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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89985-3

SDG Number: 68089985-3

**Login Number: 89985**

**List Number: 1**

**Creator: Redding, Charles S**

**List Source: TestAmerica Tampa**

**List Creation: 05/03/13 06:29 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: 680-89985-3  
 SDG: 68089985-3

### 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
Arkansas DEQ	State Program	6	88-0692	02-01-13 *
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

\* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah



# Certification Summary

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

TestAmerica Job ID: 680-89985-3  
SDG: 68089985-3

## 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
Georgia	State Program	4	905	06-30-13
USDA	Federal		P330-11-00177	04-20-14

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