

**Data Validation Checklist
Inorganic Analyses**

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA
 Method: SW-846 6010C and 7471B
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett, Martha Meyers-Lee

Project No: 15268508.20000
 Job ID.: 680-88767-4
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date(s) Collected: 03/26/2013
 Date: 04/16/2013
 Date: 04/24/2013

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

¹ Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
11. Were target analytes reported in equipment/rinsate blanks analyses above the DL?		✓		According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. Rinsate blank 032613-RB-Shovel (680-88766-23) was collected during the week of 03/25/2013. The rinsate blank was analyzed for metals by EPA Methods 200.7 and 245.1 under Test America Job ID 680-88766-3.	
12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> ○ If blank result > RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and \leq10x blank result , as J+ positive results ○ If blank result \leqRL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and \leq10x blank result , as J+ positive results 			✓	Method and rinsate blank contamination does not exist.	
13. Are there negative laboratory blank results with the absolute value \leq RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?	✓			CV0509T-CS (680-88767-29) and CV0509T-CSD (680-88767-30)	
15. Was precision deemed acceptable as defined by the project plans?		✓		See Attachment B , Field Duplicate Evaluation	J
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? <ul style="list-style-type: none"> ○ 6010C: <ul style="list-style-type: none"> • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed ○ 7471B: <ul style="list-style-type: none"> • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run 	✓			<ul style="list-style-type: none"> • 6010C: 04/02/2013-04/03/2013, instrument ICPE. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 6010C: 04/02/2013-04/03/2013, instrument ICPE. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis • 7471B: 03/29/2013-03/30/2013, instrument LEEMAN2. 6-Point ICAL. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>17. Were these results within lab/project specifications?</p> <ul style="list-style-type: none"> ○ 6010C <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): <ul style="list-style-type: none"> ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180% (>150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 7471B <ul style="list-style-type: none"> • ICV/CCV (Criteria: 80-120%R): <ul style="list-style-type: none"> ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): <ul style="list-style-type: none"> ▪ If CRI %R <50, then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL ▪ If CRI %R >180%, then R flag positive result 		✓		<ul style="list-style-type: none"> • 7471B: Mercury correlation coefficient for ICAL of 03/29/2013 is 0.9999795 (page 469). • 6010C: CRI 680-271753/8 of 04/02/2013 @ 19:00 (instrument ICPE)²: Arsenic @ 131%R (Lab: 50-150, Project: 70-130). The result for arsenic in associated samples was reported from an alternate run; therefore, qualification of data is not warranted. 	

² Associated samples: 680-88767-35 and 55
 URS Group, Inc.
 Page 3 of 6

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: <ul style="list-style-type: none"> ○ If >120%R (or >>true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ If <50%R, J- flag positive results and R-flag non-detects 	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? <ul style="list-style-type: none"> ○ Soil: <ul style="list-style-type: none"> • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects ○ Aqueous: <ul style="list-style-type: none"> • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results 	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits ($\leq 20\%$ RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none"> • 6010C, Prep Batch 271166: 680-88767-14 (CV0509F-CS), MS/MSD • 7471B, Prep Batch 271188: 680-88767-14 (CV0509F-CS), MS/MSD 	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?		✓		6010C: 680-88766-6 (Batch sample). Sample 680-88767-14 was not subject to a PDS analysis even though MS and MSD results did not meet control limits.	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <p>If not,</p> <ul style="list-style-type: none"> ○ 6010C: <ul style="list-style-type: none"> • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results • If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results ○ 7471B: <ul style="list-style-type: none"> • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results 		✓		<p>CV0509F-CS (680-88767-14) [<i>Note: A PDS was not conducted</i>]:</p> <ul style="list-style-type: none"> • Barium @ -463 and -469%R (75-125). An evaluation of interference is not possible based on the MS and MSD results, as the native sample concentration is greater than 4x the MS/MSD spiking level. • Chromium @ 45 and 138%R (75-125). J Flag result. • Lead @ -22 and 67%R (75-125). An evaluation of interference is not possible based on the MS and MSD results, as the native sample concentration is greater than 4x the MS/MSD spiking level. 	J
<p>27. Were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> ○ If RPD >20%, J and UJ flag positive and non-detect results. 		✓		CV0509F-CS (680-88767-14): Chromium @ 21%RPD (≤20). J Flag result.	J
28. Was a serial dilution conducted for 6010C?	✓				
29. Is the serial dilution parent sample a project-specific sample?		✓		6010C: 680-88766-6 (Batch sample)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> o If %D >10, J and UJ flag positive and non-detect results, respectively. 			✓		
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> o If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively 			✓		
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Attachment C (Case Narrative)	
<p>Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review</i> (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (Attachment D). 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: 680-88767-4
SDG: 68088767-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88767-14	CV0509F-CS	Solid	03/26/13 09:55	03/28/13 09:37
680-88767-15	CV0509G-CS	Solid	03/26/13 09:58	03/28/13 09:37
680-88767-24	CV0509O-CS	Solid	03/26/13 10:45	03/28/13 09:37
680-88767-29	CV0509T-CS	Solid	03/26/13 13:20	03/28/13 09:37
680-88767-30	CV0509T-CSD	Solid	03/26/13 13:25	03/28/13 09:37
680-88767-35	CV0509Y-CS	Solid	03/26/13 14:10	03/28/13 09:37
680-88767-52	CV0509AL-GS	Solid	03/26/13 15:37	03/28/13 09:37
680-88767-55	CV0509Y-CS (sieve)	Solid	03/26/13 14:10	03/28/13 09:37

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Analyte	CV0509T-CS (680-88767-29)	RL	CV0509T-CSD (680-88767-30)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Arsenic	19	2.9	21	2.5	mg/kg	13.5	10	NA	NA	None, RPD ≤ 50%
Barium	160	1.5	290	1.3	mg/kg	7	58	NA	NA	J/UJ-flag, RPD > 50%
Cadmium	0.47 J	0.73	0.48 J	0.64	mg/kg	3.425	NA	0.01	1.37	None, absolute difference ≤ 2x Avg RL
Chromium	37	1.5	48	1.3	mg/kg	7	26	NA	NA	None, RPD ≤ 50%
Lead	130	1.5	140	1.3	mg/kg	7	7	NA	NA	None, RPD ≤ 50%
Selenium	2.3 J	3.6	1.9 J	3.2	mg/kg	17	NA	0.4	6.8	None, absolute difference ≤ 2x Avg RL
Mercury	0.18	0.026	0.17	0.022	mg/kg	0.12	6	NA	NA	None, RPD ≤ 50%

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

- J - Estimated value
- mg/kg -milligrams per kilogram
- NA - Not applicable
- RL - Reporting limit
- RPD - Relative percent difference
- UJ - Not detected and the limit is estimated

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-4

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

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

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

RECEIPT

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

SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)

Sample CV0509G-CS (680-88767-15) was analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/01/2013 and analyzed on 04/05/2013.

Method(s) 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Method(s) 8270D: The initial calibration curve and initial calibration verification (ICV) analyzed in batch 272296 was outside method criteria for the following analyte(s): benzaldehyde, a,a-dimethylphenethylamine, 1,4-phenylenediamine, 1-naphthylamine, hexachlorophene, and 3-methylcholanthrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 272369 exceeded the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

MS/MSD for sample CV0509G-CS (680-88767-15) was spike with AP9 analyte solution instead of our routine 8270D spike solution. Analytes are not being reported, therefore recoveries are not calculated. Summary form III could not be generated as the compounds of concern were not spiked. Sample 680-88764-3 was also spiked in the prep batch and is included in the data set.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013 and 04/03/2013.

Samples CV0509Y-CS (680-88767-35)[2X] and CV0509Y-CS (sieve) (680-88767-55)[2X] 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 CV0509F-CS (680-88767-14) in batch 680-271678. Also, Chromium exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 03/29/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

Report revised 4/22/2013 to include case narrative comments regarding the MS/MSD data for 680-88767-15, and to remove case narrative comments about an analytical batch that was not associated with the sample data set.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS Lab Sample ID: 680-88767-29
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 13:20
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 66.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	19	2.9	0.86	mg/Kg			1	6010C
7440-39-3	Barium	160	1.5	0.44	mg/Kg			1	6010C
7440-43-9	Cadmium	0.47	0.73	0.15	mg/Kg	J		1	6010C
7440-47-3	Chromium	37	1.5	0.73	mg/Kg			1	6010C
7439-92-1	Lead	130	1.5	0.77	mg/Kg			1	6010C
7782-49-2	Selenium	2.3	3.6	1.5	mg/Kg	J		1	6010C
7440-22-4	Silver	1.5	1.5	0.14	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.18	0.026	0.011	mg/Kg			1	7471B

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CSD Lab Sample ID: 680-88767-30
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 13:25
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 77.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	21	2.5	0.75	mg/Kg			1	6010C
7440-39-3	Barium	290	1.3	0.38	mg/Kg			1	6010C
7440-43-9	Cadmium	0.48	0.64	0.13	mg/Kg	J		1	6010C
7440-47-3	Chromium	48	1.3	0.64	mg/Kg			1	6010C
7439-92-1	Lead	140	1.3	0.67	mg/Kg			1	6010C
7782-49-2	Selenium	1.9	3.2	1.3	mg/Kg	J		1	6010C
7440-22-4	Silver	1.3	1.3	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.17	0.022	0.0091	mg/Kg			1	7471B

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CS Lab Sample ID: 680-88767-35
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 14:10
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 72.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17	2.7	0.80	mg/Kg			1	6010C
7440-39-3	Barium	290	1.3	0.40	mg/Kg			1	6010C
7440-43-9	Cadmium	1.7	0.67	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	34	2.7	1.3	mg/Kg			2	6010C
7439-92-1	Lead	290	1.3	0.71	mg/Kg			1	6010C
7782-49-2	Selenium	6.7	6.7	2.7	mg/Kg	U		2	6010C
7440-22-4	Silver	2.7	2.7	0.26	mg/Kg	U		2	6010C
7439-97-6	Mercury	0.24	0.024	0.0099	mg/Kg			1	7471B

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509AL-GS Lab Sample ID: 680-88767-52
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 15:37
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 83.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	20	2.1	0.63	mg/Kg			1	6010C
7440-39-3	Barium	340	1.1	0.32	mg/Kg			1	6010C
7440-43-9	Cadmium	0.20	0.54	0.11	mg/Kg	J		1	6010C
7440-47-3	Chromium	50	1.1	0.54	mg/Kg			1	6010C
7439-92-1	Lead	95	1.1	0.57	mg/Kg			1	6010C
7782-49-2	Selenium	1.5	2.7	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	1.1	1.1	0.10	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.20	0.022	0.0090	mg/Kg			1	7471B

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CS (sieve)

Lab Sample ID: 680-88767-55

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG ID.: 68088767-4

Matrix: Solid

Date Sampled: 03/26/2013 14:10

Reporting Basis: DRY

Date Received: 03/28/2013 09:37

% Solids: 72.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	19	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	290	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	1.7	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	32	2.4	1.2	mg/Kg			2	6010C
7439-92-1	Lead	290	1.2	0.64	mg/Kg			1	6010C
7782-49-2	Selenium	6.0	6.0	2.4	mg/Kg	U		2	6010C
7440-22-4	Silver	2.4	2.4	0.23	mg/Kg	U		2	6010C
7439-97-6	Mercury	0.23	0.023	0.0096	mg/Kg			1	7471B

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

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica – Savannah, FL
 Method: SW-846 8270D (TCL SVOC)
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett/Martha Meyers-Lee

Project No: 15268508.20000
 Job ID.: 680-88767-4
 Associated Samples: 680-88767-15 (CV0509G-CS)
 Date(s) Collected: 03/26/2013
 Date: 04/23/2013
 Date: 04/24/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag 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 samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAH were not detected during the analysis of rinsate blank 032613-RB-Shovel (680-88766-23).	
12. Are equipment/rinsate blanks associated with every sample? If		✓		According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per	

¹ Independent technical reviewer
 URS Group, Inc.
 Page 1 of 5

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
no, note in DV report.				week per the client. Rinsate blank 032613-RB-Shovel (680-88766-23) was collected during the week of 03/25/2013. The rinsate blank was analyzed for PAHs and metals only under Test America Job IDs 680-88766-2 and 680-88766-3, respectively. As a result, it was only possible to evaluate blank contamination for PAHs only, instead of the entire TCL SVOC list.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., USEPA Contract laboratory Program Analytical Scope of Work). All ion abundance criteria were met per <i>EPA CLP National Functional Guidelines for Organic Data Review</i> (US EPA, October 1999).	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. An initial calibration is to be associated with each sample analysis. A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. 	✓			<ul style="list-style-type: none"> Initial Calibration: 04/03/2013, instrument MSG ICV: 04/03/2013 @ 15:29 CCV: 04/05/2013 @ 12:45 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (> 0.010 for poor performers)): 		✓		<ul style="list-style-type: none"> ICAL of 04/03/2013, instrument MSG (Lab: $\leq 20\%$RSD, Project: $\leq 15\%$RSD ($\leq 50\%$RSD for poor performers)): Benzaldehyde² @ 48.1%RSD. Qualification of the benzaldehyde result in sample 	

² Poor performer
URS Group, Inc.
Page 2 of 5

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> ○ If %RSD>15 (>50% for poor performers), or $r < 0.995$, or $r^2 < 0.995$, then J-flag positive results and UJ-flag non-detects ○ If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: $\leq 20\%D$ ($\leq 50\%$ for poor performers) and $RF \geq 0.050$ (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> ○ If %D>20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects ○ If $RF < 0.050$ (<0.010 for poor performers), then UJ-flag non-detected semivolatle target compounds 				<p>680-88767-15 (CV0509G-CS) is not required, as the analyte is a poor performer and the %RSD is less than 50.</p> <ul style="list-style-type: none"> • ICV of 04/03/2013 @ 15:29 (Lab: ≤ 30.0, Project: ≤ 20 ($\leq 50\%D$ for poor performers)): Benzaldehyde² @ - 54.2%D. Positive bias is indicated by the ICV percent difference; therefore, qualification of the associated ND sample result³ is not warranted. 	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >Upper Control Limit (UCL) and J/R-flag results when %R <Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects			✓	LCS only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓			<p>Prep Batch 271424:</p> <ul style="list-style-type: none"> • 680-88767-15 (CV0509G-CS), MS/MSD • 680-88764-3 (Batch sample), MS/MSD. According to Case Narrative, batch sample 680-88764-3 was prepared under Prep Batch 271424. The batch sample was not listed in the "GC/MS Semi VOA Batch Worksheet" on page 119 of the data package. 	
24. Is the MS/MSD parent sample a project-specific sample?	✓			See above.	
<p>25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results 			✓	CV0509G-CS (680-88767-15): The laboratory did not use the correct spiking solution, and MS/MSD results were not reported by the laboratory. Therefore, an evaluation is not possible.	

³ 680-88767-15 (CV0509G-CS)

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> MS and MSD R% >UCL (or 140): J-Flag positive results <p>26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. If %RPD > UCL, J-flag positive result and UJ-flag non-detect result 			✓	CV0509G-CS (680-88767-15): The laboratory did not use the correct spiking solution, and MS/MSD results were not reported by the laboratory. Therefore, an evaluation is not possible.	
<p>27. Were surrogate recoveries within lab/project specifications?</p> <ul style="list-style-type: none"> If %R for 1 Acid or BN surrogates <10, then J-flag positive and R-flag non-detect associated sample results (i.e., acid or BN results) If 2 or more Acid or BN %R >UCL, then J-flag positive results (i.e., acid or BN results) If 2 or more Acid or BN %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results (i.e., acid or BN results) If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results (i.e., acid or BN results) 	✓				
<p>28. Were internal standard (IS) results within lab/project specifications?</p> <ul style="list-style-type: none"> If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample 	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
fraction. Positive results need not be qualified as R, if mass spectral criteria are met.					
29. Were lab comments included in report?	✓			Refer to Attachment A (Case Narrative)	
<p>Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment 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 analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R The sample results are unusable. 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 not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
CASE NARRATIVE

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-4

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

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

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

RECEIPT

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

SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)

Sample CV0509G-CS (680-88767-15) was analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/01/2013 and analyzed on 04/05/2013.

Method(s) 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Method(s) 8270D: The initial calibration curve and initial calibration verification (ICV) analyzed in batch 272296 was outside method criteria for the following analyte(s): benzaldehyde, a,a-dimethylphenethylamine, 1,4-phenylenediamine, 1-naphthylamine, hexachlorophene, and 3-methylcholanthrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 272369 exceeded the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

MS/MSD for sample CV0509G-CS (680-88767-15) was spike with AP9 analyte solution instead of our routine 8270D spike solution. Analytes are not being reported, therefore recoveries are not calculated. Summary form III could not be generated as the compounds of concern were not spiked. Sample 680-88764-3 was also spiked in the prep batch and is included in the data set.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013 and 04/03/2013.

Samples CV0509Y-CS (680-88767-35)[2X] and CV0509Y-CS (sieve) (680-88767-55)[2X] 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 CV0509F-CS (680-88767-14) in batch 680-271678. Also, Chromium exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 03/29/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

Report revised 4/22/2013 to include case narrative comments regarding the MS/MSD data for 680-88767-15, and to remove case narrative comments about an analytical batch that was not associated with the sample data set.

ATTACHMENT B
QUALIFIED SAMPLE RESULTS

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS Lab Sample ID: 680-88767-15
 Matrix: Solid Lab File ID: gd0529.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.19(g) Date Analyzed: 04/05/2013 21:35
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	470	U	470	40
1912-24-9	Atrazine	470	U	470	33
100-52-7	Benzaldehyde	470	U	470	82
92-52-4	1,1'-Biphenyl	470	U	470	1000
111-91-1	Bis(2-chloroethoxy)methane	470	U	470	55
111-44-4	Bis(2-chloroethyl)ether	470	U	470	64
108-60-1	bis(2-chloroisopropyl) ether	470	U	470	43
117-81-7	Bis(2-ethylhexyl) phthalate	220	J	470	41
101-55-3	4-Bromophenyl phenyl ether	470	U	470	51
85-68-7	Butyl benzyl phthalate	470	U	470	37
105-60-2	Caprolactam	470	U	470	94
86-74-8	Carbazole	80	J	470	43
106-47-8	4-Chloroaniline	940	U	940	74
59-50-7	4-Chloro-3-methylphenol	470	U	470	50
91-58-7	2-Chloronaphthalene	470	U	470	50
95-57-8	2-Chlorophenol	470	U	470	57
7005-72-3	4-Chlorophenyl phenyl ether	470	U	470	62
91-94-1	3,3'-Dichlorobenzidine	940	U	940	40
120-83-2	2,4-Dichlorophenol	470	U	470	50
84-66-2	Diethyl phthalate	470	U	470	52
105-67-9	2,4-Dimethylphenol	470	U	470	62
131-11-3	Dimethyl phthalate	470	U	470	48
84-74-2	Di-n-butyl phthalate	470	U	470	43
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	240
51-28-5	2,4-Dinitrophenol	2400	U	2400	1200
121-14-2	2,4-Dinitrotoluene	470	U	470	69
606-20-2	2,6-Dinitrotoluene	470	U	470	60
117-84-0	Di-n-octyl phthalate	470	U	470	41
118-74-1	Hexachlorobenzene	470	U	470	55
87-68-3	Hexachlorobutadiene	470	U	470	51
77-47-4	Hexachlorocyclopentadiene	470	U	470	58
67-72-1	Hexachloroethane	470	U	470	40
78-59-1	Isophorone	470	U	470	47
95-48-7	2-Methylphenol	470	U	470	38

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS Lab Sample ID: 680-88767-15
 Matrix: Solid Lab File ID: gd0529.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.19(g) Date Analyzed: 04/05/2013 21:35
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	460	J	470	61
88-74-4	2-Nitroaniline	2400	U	2400	64
99-09-2	3-Nitroaniline	2400	U	2400	65
100-01-6	4-Nitroaniline	2400	U	2400	69
98-95-3	Nitrobenzene	470	U	470	37
88-75-5	2-Nitrophenol	470	U	470	58
100-02-7	4-Nitrophenol	2400	U	2400	470
621-64-7	N-Nitrosodi-n-propylamine	470	U	470	45
86-30-6	N-Nitrosodiphenylamine	470	U	470	47
87-86-5	Pentachlorophenol	2400	U	2400	470
108-95-2	Phenol	470	U	470	48
95-95-4	2,4,5-Trichlorophenol	470	U	470	50
88-06-2	2,4,6-Trichlorophenol	470	U	470	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		58-130
367-12-4	2-Fluorophenol (Surr)	44		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	71		46-130
4165-62-2	Phenol-d5 (Surr)	66		49-130
1718-51-0	Terphenyl-d14 (Surr)	76		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	67		58-130

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

ANALYTICAL REPORT

Job Number: 680-88767-4

SDG Number: 68088767-4

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
4/22/2013 1:58 PM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
04/22/2013
Revision: 1

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

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

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

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



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Method Summary	7
Method / Analyst Summary	8
Data Qualifiers	9
QC Association Summary	10
Organic Sample Data	13
GC/MS Semi VOA	13
Method 8270D	13
Method 8270D QC Summary	14
Method 8270D Sample Data	26
Standards Data	34
Method 8270D ICAL Data	34
Method 8270D CCAL Data	68
Raw QC Data	82
Method 8270D Tune Data	82
Method 8270D Blank Data	92
Method 8270D LCS/LCSD Data	97
Method 8270D MS/MSD Data	103
Method 8270D Run Logs	117
Method 8270D Prep Data	119
Inorganic Sample Data	121
Metals Data	121
Met Cover Page	122

Table of Contents

Met Sample Data	123
Met QC Data	130
Met ICV/CCV	130
Met CRQL	135
Met Blanks	138
Met ICSA/ICSAB	145
Met MS/MSD/PDS	149
Met LCS/LCSD	152
Met Serial Dilution	154
Met MDL	155
Met IECF	161
Met Preparation Log	166
Met Analysis Run Log	168
Met Raw Data	180
Met Prep Data	476
Shipping and Receiving Documents	482
Client Chain of Custody	482

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-4

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

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

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

RECEIPT

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

SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)

Sample CV0509G-CS (680-88767-15) was analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/01/2013 and analyzed on 04/05/2013.

Method(s) 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Method(s) 8270D: The initial calibration curve and initial calibration verification (ICV) analyzed in batch 272296 was outside method criteria for the following analyte(s): benzaldehyde, a,a-dimethylphenethylamine, 1,4-phenylenediamine, 1-naphthylamine, hexachlorophene, and 3-methylcholanthrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 272369 exceeded the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

MS/MSD for sample CV0509G-CS (680-88767-15) was spike with AP9 analyte solution instead of our routine 8270D spike solution. Analytes are not being reported, therefore recoveries are not calculated. Summary form III could not be generated as the compounds of concern were not spiked. Sample 680-88764-3 was also spiked in the prep batch and is included in the data set.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013 and 04/03/2013.

Samples CV0509Y-CS (680-88767-35)[2X] and CV0509Y-CS (sieve) (680-88767-55)[2X] 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 CV0509F-CS (680-88767-14) in batch 680-271678. Also, Chromium exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 03/29/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

Report revised 4/22/2013 to include case narrative comments regarding the MS/MSD data for 680-88767-15, and to remove case narrative comments about an analytical batch that was not associated with the sample data set.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-4

Sdg Number: 68088767-4

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88767-14	CV0509F-CS	Solid	03/26/2013 0955	03/28/2013 0937
680-88767-14MS	CV0509F-CS	Solid	03/26/2013 0955	03/28/2013 0937
680-88767-14MSD	CV0509F-CS	Solid	03/26/2013 0955	03/28/2013 0937
680-88767-15	CV0509G-CS	Solid	03/26/2013 0958	03/28/2013 0937
680-88767-15MS	CV0509G-CS	Solid	03/26/2013 0958	03/28/2013 0937
680-88767-15MSD	CV0509G-CS	Solid	03/26/2013 0958	03/28/2013 0937
680-88767-24	CV0509O-CS	Solid	03/26/2013 1045	03/28/2013 0937
680-88767-29	CV0509T-CS	Solid	03/26/2013 1320	03/28/2013 0937
680-88767-30	CV0509T-CSD	Solid	03/26/2013 1325	03/28/2013 0937
680-88767-35	CV0509Y-CS	Solid	03/26/2013 1410	03/28/2013 0937
680-88767-52	CV0509AL-GS	Solid	03/26/2013 1537	03/28/2013 0937
680-88767-55	CV0509Y-CS (sieve)	Solid	03/26/2013 1410	03/28/2013 0937

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-4

Sdg Number: 68088767-4

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL SAV	SW846 8270D	
Microwave Extraction	TAL SAV		SW846 3546
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: 680-88767-4

Sdg Number: 68088767-4

Method	Analyst	Analyst ID
SW846 8270D	Campbell, Sophia M	SMC
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: 680-88767-4

Sdg Number: 68088767-4

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

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-4

Sdg Number: 68088767-4

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-271424					
LCS 680-271424/9-A	Lab Control Sample	T	Solid	3546	
MB 680-271424/8-A	Method Blank	T	Solid	3546	
680-88764-A-3-B MS	Matrix Spike	T	Solid	3546	
680-88764-A-3-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-88767-15	CV0509G-CS	T	Solid	3546	
680-88767-15MS	Matrix Spike	T	Solid	3546	
680-88767-15MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:680-272369					
LCS 680-271424/9-A	Lab Control Sample	T	Solid	8270D	680-271424
MB 680-271424/8-A	Method Blank	T	Solid	8270D	680-271424
680-88764-A-3-B MS	Matrix Spike	T	Solid	8270D	680-271424
680-88764-A-3-C MSD	Matrix Spike Duplicate	T	Solid	8270D	680-271424
680-88767-15	CV0509G-CS	T	Solid	8270D	680-271424
680-88767-15MS	Matrix Spike	T	Solid	8270D	680-271424
680-88767-15MSD	Matrix Spike Duplicate	T	Solid	8270D	680-271424

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-4

Sdg Number: 68088767-4

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 680-271166					
LCS 680-271166/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-271166/1-A	Method Blank	T	Solid	3050B	
680-88767-14	CV0509F-CS	T	Solid	3050B	
680-88767-14MS	Matrix Spike	T	Solid	3050B	
680-88767-14MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-88767-24	CV0509O-CS	T	Solid	3050B	
680-88767-29	CV0509T-CS	T	Solid	3050B	
680-88767-30	CV0509T-CSD	T	Solid	3050B	
680-88767-35	CV0509Y-CS	T	Solid	3050B	
680-88767-52	CV0509AL-GS	T	Solid	3050B	
680-88767-55	CV0509Y-CS (sieve)	T	Solid	3050B	
Prep Batch: 680-271188					
LCS 680-271188/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-271188/1-A	Method Blank	T	Solid	7471B	
680-88767-14	CV0509F-CS	T	Solid	7471B	
680-88767-14MS	Matrix Spike	T	Solid	7471B	
680-88767-14MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-88767-24	CV0509O-CS	T	Solid	7471B	
680-88767-29	CV0509T-CS	T	Solid	7471B	
680-88767-30	CV0509T-CSD	T	Solid	7471B	
680-88767-35	CV0509Y-CS	T	Solid	7471B	
680-88767-52	CV0509AL-GS	T	Solid	7471B	
680-88767-55	CV0509Y-CS (sieve)	T	Solid	7471B	
Analysis Batch:680-271298					
LCS 680-271188/2-A	Lab Control Sample	T	Solid	7471B	680-271188
MB 680-271188/1-A	Method Blank	T	Solid	7471B	680-271188
680-88767-14	CV0509F-CS	T	Solid	7471B	680-271188
680-88767-14MS	Matrix Spike	T	Solid	7471B	680-271188
680-88767-14MSD	Matrix Spike Duplicate	T	Solid	7471B	680-271188
680-88767-24	CV0509O-CS	T	Solid	7471B	680-271188
680-88767-29	CV0509T-CS	T	Solid	7471B	680-271188
680-88767-30	CV0509T-CSD	T	Solid	7471B	680-271188
680-88767-35	CV0509Y-CS	T	Solid	7471B	680-271188
680-88767-52	CV0509AL-GS	T	Solid	7471B	680-271188
680-88767-55	CV0509Y-CS (sieve)	T	Solid	7471B	680-271188

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-4

Sdg Number: 68088767-4

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-271678					
LCS 680-271166/3-A	Lab Control Sample	T	Solid	6010C	680-271166
MB 680-271166/1-A	Method Blank	T	Solid	6010C	680-271166
680-88767-14	CV0509F-CS	T	Solid	6010C	680-271166
680-88767-14MS	Matrix Spike	T	Solid	6010C	680-271166
680-88767-14MSD	Matrix Spike Duplicate	T	Solid	6010C	680-271166
680-88767-24	CV0509O-CS	T	Solid	6010C	680-271166
680-88767-29	CV0509T-CS	T	Solid	6010C	680-271166
680-88767-30	CV0509T-CSD	T	Solid	6010C	680-271166
680-88767-35	CV0509Y-CS	T	Solid	6010C	680-271166
680-88767-52	CV0509AL-GS	T	Solid	6010C	680-271166
680-88767-55	CV0509Y-CS (sieve)	T	Solid	6010C	680-271166
Analysis Batch:680-271753					
680-88767-35	CV0509Y-CS	T	Solid	6010C	680-271166
680-88767-55	CV0509Y-CS (sieve)	T	Solid	6010C	680-271166

Report Basis

T = Total

General Chemistry

Analysis Batch:660-135922					
680-88767-A-14 MSMS	Matrix Spike	T	Solid	Moisture	
680-88767-A-14 MSDMSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88767-14	CV0509F-CS	T	Solid	Moisture	
680-88767-15	CV0509G-CS	T	Solid	Moisture	
680-88767-A-21 MS	Matrix Spike	T	Solid	Moisture	
680-88767-A-21 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88767-24	CV0509O-CS	T	Solid	Moisture	
680-88767-29	CV0509T-CS	T	Solid	Moisture	
680-88767-30	CV0509T-CSD	T	Solid	Moisture	
680-88767-35	CV0509Y-CS	T	Solid	Moisture	
680-88767-A-41 MS	Matrix Spike	T	Solid	Moisture	
680-88767-A-41 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88767-52	CV0509AL-GS	T	Solid	Moisture	
Analysis Batch:680-271139					
680-88767-55	CV0509Y-CS (sieve)	T	Solid	Moisture	
680-88782-A-10 MS	Matrix Spike	T	Solid	Moisture	
680-88782-A-10 MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis

T = Total

TestAmerica Savannah

Method 8270D

Semivolatile Organic Compounds
(GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Matrix: Solid

Level: Low

GC Column (1): RXi- 5Sil ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
CV0509G-CS	680-88767-15	44	66	71	74	67	76
	MB 680-271424/8-A	80	91	84	85	94	90
	LCS 680-271424/9-A	75	84	76	74	97	89
CV0509G-CS MS	680-88767-15 MS	50	71	74	67	63	63
	680-88764-A-3-B MS	77	81	105	65	86	81
CV0509G-CS MSD	680-88767-15 MSD	53	74	77	69	71	72
	680-88764-A-3-C MSD	72	75	69	60	80	73

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	40-130
PHL = Phenol-d5 (Surr)	49-130
NBZ = Nitrobenzene-d5 (Surr)	46-130
FBP = 2-Fluorobiphenyl	58-130
TBP = 2,4,6-Tribromophenol (Surr)	58-130
TPH = Terphenyl-d14 (Surr)	60-130

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Matrix: Solid Level: Low

Lab File ID: gd0520.d

Lab ID: LCS 680-271424/9-A

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acetophenone	3320	2190	66	42-130	
Atrazine	3320	2580	78	54-141	
Benzaldehyde	3320	1070	32	10-130	
1,1'-Biphenyl	3320	2540	77	57-130	
Bis(2-chloroethoxy)methane	3320	2640	80	56-130	
Bis(2-chloroethyl)ether	3320	2260	68	42-130	
bis(2-chloroisopropyl) ether	3320	2110	64	44-130	
Bis(2-ethylhexyl) phthalate	3320	2800	84	62-132	
4-Bromophenyl phenyl ether	3320	2580	78	65-130	
Butyl benzyl phthalate	3320	3160	95	65-134	
Caprolactam	3320	3260	98	52-130	
Carbazole	3320	2730	82	60-130	
4-Chloroaniline	3320	2230	67	36-130	
4-Chloro-3-methylphenol	3320	2900	88	52-130	
2-Chloronaphthalene	3320	2440	73	55-130	
2-Chlorophenol	3320	2490	75	51-130	
4-Chlorophenyl phenyl ether	3320	2740	83	61-130	
3,3'-Dichlorobenzidine	3320	2720	82	45-130	
2,4-Dichlorophenol	3320	2800	84	53-130	
Diethyl phthalate	3320	2850	86	62-130	
2,4-Dimethylphenol	3320	2710	82	47-130	
Dimethyl phthalate	3320	2780	84	63-130	
Di-n-butyl phthalate	3320	2660	80	65-130	
4,6-Dinitro-2-methylphenol	3320	3040	92	14-137	
2,4-Dinitrophenol	3320	3410	103	10-154	
2,4-Dinitrotoluene	3320	2940	89	55-130	
2,6-Dinitrotoluene	3320	2880	87	57-130	
Di-n-octyl phthalate	3320	3050	92	59-146	
Hexachlorobenzene	3320	2540	77	59-130	
Hexachlorobutadiene	3320	2630	79	47-130	
Hexachlorocyclopentadiene	3320	2300	69	35-130	
Hexachloroethane	3320	2020	61	44-130	
Isophorone	3320	2300	69	48-130	
2-Methylphenol	3320	2650	80	49-130	
3 & 4 Methylphenol	3320	2680	81	50-130	
2-Nitroaniline	3320	2760	83	52-130	
3-Nitroaniline	3320	2600	79	42-130	
4-Nitroaniline	3320	2790	84	49-130	
Nitrobenzene	3320	2420	73	43-130	
2-Nitrophenol	3320	2730	82	45-130	
4-Nitrophenol	3320	2820	85	30-130	
N-Nitrosodi-n-propylamine	3320	2640	80	48-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Matrix: Solid Level: Low Lab File ID: gd0520.d
 Lab ID: LCS 680-271424/9-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	3320	2560	77	62-130	
Pentachlorophenol	3320	2850	86	38-131	
Phenol	3320	2590	78	46-130	
2,4,5-Trichlorophenol	3320	2870	86	60-130	
2,4,6-Trichlorophenol	3320	2670	80	53-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Matrix: Solid

Level: Low

Lab File ID: gd0530.d

Lab ID: 680-88764-A-3-B MS

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acetophenone	4430	450 U	5590	126	42-130	
Atrazine	4430	450 U	3530	80	54-141	
Benzaldehyde	4430	450 U	440 U	0	10-130	F
1,1'-Biphenyl	4430	450 U	3010	68	57-130	
Bis(2-chloroethoxy)methane	4430	450 U	6490	146	56-130	F
Bis(2-chloroethyl)ether	4430	450 U	2620	59	42-130	
bis(2-chloroisopropyl) ether	4430	450 U	2280	52	44-130	
Bis(2-ethylhexyl) phthalate	4430	450 U	3670	83	62-132	
4-Bromophenyl phenyl ether	4430	450 U	3570	81	65-130	
Butyl benzyl phthalate	4430	450 U	3940	89	65-134	
Caprolactam	4430	450 U	2960	67	52-130	
Carbazole	4430	450 U	3860	87	60-130	
4-Chloroaniline	4430	890 U	3580	81	36-130	
4-Chloro-3-methylphenol	4430	450 U	4920	111	52-130	
2-Chloronaphthalene	4430	450 U	2980	67	55-130	
2-Chlorophenol	4430	450 U	3260	74	51-130	
4-Chlorophenyl phenyl ether	4430	450 U	3190	72	61-130	
3,3'-Dichlorobenzidine	4430	890 U	2710	61	45-130	
2,4-Dichlorophenol	4430	450 U	4030	91	53-130	
Diethyl phthalate	4430	450 U	3100	70	62-130	
2,4-Dimethylphenol	4430	450 U	3860	87	47-130	
Dimethyl phthalate	4430	450 U	3160	71	63-130	
Di-n-butyl phthalate	4430	450 U	3700	84	65-130	
4,6-Dinitro-2-methylphenol	4430	2300 U	4020	91	14-137	
2,4-Dinitrophenol	4430	2300 U	3100	70	10-154	
2,4-Dinitrotoluene	4430	450 U	2360	53	55-130	F
2,6-Dinitrotoluene	4430	450 U	3390	77	57-130	
Di-n-octyl phthalate	4430	450 U	3830	87	59-146	
Hexachlorobenzene	4430	450 U	3550	80	59-130	
Hexachlorobutadiene	4430	450 U	3460	78	47-130	
Hexachlorocyclopentadiene	4430	450 U	1730	39	35-130	
Hexachloroethane	4430	450 U	4620	104	44-130	
Isophorone	4430	450 U	3310	75	48-130	
2-Methylphenol	4430	450 U	3670	83	49-130	
3 & 4 Methylphenol	4430	450 U	3730	84	50-130	
2-Nitroaniline	4430	2300 U	3240	73	52-130	
3-Nitroaniline	4430	2300 U	3130	71	42-130	
4-Nitroaniline	4430	98 J	3550	78	49-130	
Nitrobenzene	4430	450 U	3350	76	43-130	
2-Nitrophenol	4430	450 U	3660	83	45-130	
4-Nitrophenol	4430	2300 U	2300 U	0	30-130	F
N-Nitrosodi-n-propylamine	4430	450 U	5730	130	48-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Matrix: Solid Level: Low Lab File ID: gd0530.d
 Lab ID: 680-88764-A-3-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	4430	450 U	3670	83	62-130	
Pentachlorophenol	4430	64000	37400	-598	38-131	E 4
Phenol	4430	450 U	3600	81	46-130	
2,4,5-Trichlorophenol	4430	450 U	3520	80	60-130	
2,4,6-Trichlorophenol	4430	450 U	3360	76	53-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Matrix: Solid Level: Low

Lab File ID: gd0531.d

Lab ID: 680-88764-A-3-C MSD

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acetophenone	4600	3330	72	51	50	42-130	F
Atrazine	4600	3090	67	13	50	54-141	
Benzaldehyde	4600	4670	102	NC	50	10-130	
1,1'-Biphenyl	4600	2850	62	5	50	57-130	
Bis(2-chloroethoxy)methane	4600	5790	126	11	50	56-130	
Bis(2-chloroethyl)ether	4600	2660	58	2	50	42-130	
bis(2-chloroisopropyl) ether	4600	2570	56	12	50	44-130	
Bis(2-ethylhexyl) phthalate	4600	3150	69	15	50	62-132	
4-Bromophenyl phenyl ether	4600	3060	67	15	50	65-130	
Butyl benzyl phthalate	4600	3490	76	12	50	65-134	
Caprolactam	4600	2710	59	9	50	52-130	
Carbazole	4600	3450	75	11	50	60-130	
4-Chloroaniline	4600	3420	74	5	50	36-130	
4-Chloro-3-methylphenol	4600	4370	95	12	50	52-130	
2-Chloronaphthalene	4600	2810	61	6	50	55-130	
2-Chlorophenol	4600	3220	70	1	50	51-130	
4-Chlorophenyl phenyl ether	4600	3060	67	4	50	61-130	
3,3'-Dichlorobenzidine	4600	3290	72	19	50	45-130	
2,4-Dichlorophenol	4600	3540	77	13	50	53-130	
Diethyl phthalate	4600	3060	67	1	50	62-130	
2,4-Dimethylphenol	4600	3560	77	8	50	47-130	
Dimethyl phthalate	4600	3150	68	0	50	63-130	
Di-n-butyl phthalate	4600	3160	69	16	50	65-130	
4,6-Dinitro-2-methylphenol	4600	3450	75	15	50	14-137	
2,4-Dinitrophenol	4600	3190	69	3	50	10-154	
2,4-Dinitrotoluene	4600	2410	53	2	50	55-130	F
2,6-Dinitrotoluene	4600	3270	71	4	50	57-130	
Di-n-octyl phthalate	4600	3230	70	17	50	59-146	
Hexachlorobenzene	4600	3050	66	15	50	59-130	
Hexachlorobutadiene	4600	2910	63	17	50	47-130	
Hexachlorocyclopentadiene	4600	1940	42	12	50	35-130	
Hexachloroethane	4600	2830	62	48	50	44-130	
Isophorone	4600	2810	61	16	50	48-130	
2-Methylphenol	4600	3600	78	2	50	49-130	
3 & 4 Methylphenol	4600	3600	78	4	50	50-130	
2-Nitroaniline	4600	3320	72	2	50	52-130	
3-Nitroaniline	4600	3300	72	5	50	42-130	
4-Nitroaniline	4600	3630	77	2	50	49-130	
Nitrobenzene	4600	3040	66	10	50	43-130	
2-Nitrophenol	4600	3310	72	10	50	45-130	
4-Nitrophenol	4600	2300 U	0	NC	50	30-130	F
N-Nitrosodi-n-propylamine	4600	3930	86	37	50	48-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Matrix: Solid Level: Low Lab File ID: gd0531.d
 Lab ID: 680-88764-A-3-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Nitrosodiphenylamine	4600	3140	68	16	50	62-130	
Pentachlorophenol	4600	11800	-1134	104	50	38-131	E 4 F
Phenol	4600	3400	74	6	50	46-130	
2,4,5-Trichlorophenol	4600	3380	73	4	50	60-130	
2,4,6-Trichlorophenol	4600	3340	73	1	50	53-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab File ID: gd0519.d Lab Sample ID: MB 680-271424/8-A
 Matrix: Solid Date Extracted: 04/01/2013 18:43
 Instrument ID: MSG Date Analyzed: 04/05/2013 16:40
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-271424/9-A	gd0520.d	04/05/2013 17:09
CV0509G-CS	680-88767-15	gd0529.d	04/05/2013 21:35
	680-88764-A-3-B MS	gd0530.d	04/05/2013 22:04
	680-88764-A-3-C MSD	gd0531.d	04/05/2013 22:33
CV0509G-CS MS	680-88767-15 MS	gd0532.d	04/05/2013 23:02
CV0509G-CS MSD	680-88767-15 MSD	gd0533.d	04/05/2013 23:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab File ID: gd0302t.d DFTPP Injection Date: 04/03/2013
 Instrument ID: MSG DFTPP Injection Time: 12:18
 Analysis Batch No.: 272296

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.1 (0.5) 1
69	Mass 69 relative abundance	28.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	25.0 - 75.0% of mass 198	39.4
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0- 30.0% of mass 198	28.6
365	Greater than 0.75% of mass 198	4.0
441	Present, but less than mass 443	12.5
442	40.0 - 110.0% of mass 198	83.9
443	15.0 - 24.0% of mass 442	16.2 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 680-272296/2	gd0303q.d	04/03/2013	12:33
	IC 680-272296/3	gd0304q.d	04/03/2013	13:03
	IC 680-272296/4	gd0305q.d	04/03/2013	13:32
	IC 680-272296/5	gd0306q.d	04/03/2013	14:02
	IC 680-272296/6	gd0307q.d	04/03/2013	14:31
	IC 680-272296/7	gd0308q.d	04/03/2013	15:00
	ICV 680-272296/8	gd0309q.d	04/03/2013	15:29

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab File ID: gd0510t.d DFTPP Injection Date: 04/05/2013
 Instrument ID: MSG DFTPP Injection Time: 12:30
 Analysis Batch No.: 272369

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	26.1
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	25.0 - 75.0% of mass 198	37.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0- 30.0% of mass 198	28.7
365	Greater than 0.75% of mass 198	3.8
441	Present, but less than mass 443	13.3
442	40.0 - 110.0% of mass 198	93.4
443	15.0 - 24.0% of mass 442	17.5 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-272369/2	gd0511q.d	04/05/2013	12:45
	MB 680-271424/8-A	gd0519.d	04/05/2013	16:40
	LCS 680-271424/9-A	gd0520.d	04/05/2013	17:09
CV0509G-CS	680-88767-15	gd0529.d	04/05/2013	21:35
	680-88764-A-3-B MS	gd0530.d	04/05/2013	22:04
	680-88764-A-3-C MSD	gd0531.d	04/05/2013	22:33
CV0509G-CS MS	680-88767-15 MS	gd0532.d	04/05/2013	23:02
CV0509G-CS MSD	680-88767-15 MSD	gd0533.d	04/05/2013	23:32

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Sample No.: CCVIS 680-272369/2 Date Analyzed: 04/05/2013 12:45
 Instrument ID: MSG GC Column: RXi- 5Sil MS ID: 0.25(mm)
 Lab File ID (Standard): gd0511q.d Heated Purge: (Y/N) N
 Calibration ID: 17312

	DCB		NPT		ANT			
	AREA #	RT #	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	411216	6.01	1602980	7.20	1031128	8.93		
UPPER LIMIT	822432	6.51	3205960	7.70	2062256	9.43		
LOWER LIMIT	205608	5.51	801490	6.70	515564	8.43		
LAB SAMPLE ID	CLIENT SAMPLE ID							
MB 680-271424/8-A			393510	6.01	1572319	7.19	999381	8.93
LCS 680-271424/9-A			574266	6.01	2266556	7.19	1515873	8.93
680-88767-15	CV0509G-CS		469261	6.01	1933752	7.19	1285550	8.92
680-88767-15 MS	CV0509G-CS MS		208445	6.01	849665	7.19	639037	8.92
680-88767-15 MSD	CV0509G-CS MSD		324677	6.01	1206556	7.19	912937	8.93

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Sample No.: CCVIS 680-272369/2 Date Analyzed: 04/05/2013 12:45
 Instrument ID: MSG GC Column: RXi- 5Sil MS ID: 0.25(mm)
 Lab File ID (Standard): gd0511q.d Heated Purge: (Y/N) N
 Calibration ID: 17312

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	1843451	10.70	1877233	13.68	2120587	15.49	
UPPER LIMIT	3686902	11.20	3754466	14.18	4241174	15.99	
LOWER LIMIT	921726	10.20	938617	13.18	1060294	14.99	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-271424/8-A		1788792	10.70	2029432	13.67	2058918	15.48
LCS 680-271424/9-A		2855157	10.70	2821842	13.68	3363339	15.49
680-88767-15	CV0509G-CS	2316600	10.70	2581016	13.67	2878953	15.48
680-88767-15 MS	CV0509G-CS MS	1192208	10.70	1489927	13.67	1572160	15.48
680-88767-15 MSD	CV0509G-CS MSD	1616613	10.70	2024059	13.67	2111358	15.49

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS Lab Sample ID: 680-88767-15
 Matrix: Solid Lab File ID: gd0529.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.19(g) Date Analyzed: 04/05/2013 21:35
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	470	U	470	40
1912-24-9	Atrazine	470	U	470	33
100-52-7	Benzaldehyde	470	U	470	82
92-52-4	1,1'-Biphenyl	470	U	470	1000
111-91-1	Bis(2-chloroethoxy)methane	470	U	470	55
111-44-4	Bis(2-chloroethyl)ether	470	U	470	64
108-60-1	bis(2-chloroisopropyl) ether	470	U	470	43
117-81-7	Bis(2-ethylhexyl) phthalate	220	J	470	41
101-55-3	4-Bromophenyl phenyl ether	470	U	470	51
85-68-7	Butyl benzyl phthalate	470	U	470	37
105-60-2	Caprolactam	470	U	470	94
86-74-8	Carbazole	80	J	470	43
106-47-8	4-Chloroaniline	940	U	940	74
59-50-7	4-Chloro-3-methylphenol	470	U	470	50
91-58-7	2-Chloronaphthalene	470	U	470	50
95-57-8	2-Chlorophenol	470	U	470	57
7005-72-3	4-Chlorophenyl phenyl ether	470	U	470	62
91-94-1	3,3'-Dichlorobenzidine	940	U	940	40
120-83-2	2,4-Dichlorophenol	470	U	470	50
84-66-2	Diethyl phthalate	470	U	470	52
105-67-9	2,4-Dimethylphenol	470	U	470	62
131-11-3	Dimethyl phthalate	470	U	470	48
84-74-2	Di-n-butyl phthalate	470	U	470	43
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	240
51-28-5	2,4-Dinitrophenol	2400	U	2400	1200
121-14-2	2,4-Dinitrotoluene	470	U	470	69
606-20-2	2,6-Dinitrotoluene	470	U	470	60
117-84-0	Di-n-octyl phthalate	470	U	470	41
118-74-1	Hexachlorobenzene	470	U	470	55
87-68-3	Hexachlorobutadiene	470	U	470	51
77-47-4	Hexachlorocyclopentadiene	470	U	470	58
67-72-1	Hexachloroethane	470	U	470	40
78-59-1	Isophorone	470	U	470	47
95-48-7	2-Methylphenol	470	U	470	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS Lab Sample ID: 680-88767-15
 Matrix: Solid Lab File ID: gd0529.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.19(g) Date Analyzed: 04/05/2013 21:35
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	460	J	470	61
88-74-4	2-Nitroaniline	2400	U	2400	64
99-09-2	3-Nitroaniline	2400	U	2400	65
100-01-6	4-Nitroaniline	2400	U	2400	69
98-95-3	Nitrobenzene	470	U	470	37
88-75-5	2-Nitrophenol	470	U	470	58
100-02-7	4-Nitrophenol	2400	U	2400	470
621-64-7	N-Nitrosodi-n-propylamine	470	U	470	45
86-30-6	N-Nitrosodiphenylamine	470	U	470	47
87-86-5	Pentachlorophenol	2400	U	2400	470
108-95-2	Phenol	470	U	470	48
95-95-4	2,4,5-Trichlorophenol	470	U	470	50
88-06-2	2,4,6-Trichlorophenol	470	U	470	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		58-130
367-12-4	2-Fluorophenol (Surr)	44		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	71		46-130
4165-62-2	Phenol-d5 (Surr)	66		49-130
1718-51-0	Terphenyl-d14 (Surr)	76		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	67		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g040513D.b/gd0529.d
 Lab Smp Id: 680-88767-B-15-A Client Smp ID: CV0509G-CS
 Inj Date : 05-APR-2013 21:35
 Operator : LEG Inst ID: MSG5973.i
 Smp Info : 680-88767-B-15-A
 Misc Info : 680-88767-B-15-A
 Comment :
 Method : /chem/SM/MSG5973.i/1g040513D.b/g-8270D-m.m
 Meth Date : 08-Apr-2013 17:09 campbell Quant Type: ISTD
 Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
 Als bottle: 20
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TLA92013.sub
 Target Version: 3.50
 Processing Host: savchem1

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.19000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv
GPC	1.00000	GPC FACTOR

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152			6.013	6.013	(1.000)	469261	40.0000	
\$ 5 2-Fluorophenol	112			4.640	4.640	(0.772)	669837	44.0368	1500
\$ 6 Phenol-d5	99			5.644	5.644	(0.939)	1137484	66.1960	2200
18 3&4-Methylphenol	107			6.397	6.397	(1.064)	157549	9.69835	320(aH)
* 20 Naphthalene-d8	136			7.193	7.199	(1.000)	1933752	40.0000	
\$ 21 Nitrobenzene-d5	82			6.536	6.541	(0.909)	1075073	71.1715	2400
30 Naphthalene	128			7.214	7.214	(1.003)	88643	1.97052	65(a)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
34 2-Methylnaphthalene	142	7.823	7.823	(1.088)	76104	2.29289	76(a)
35 1-Methylnaphthalene	142	7.914	7.919	(1.100)	60215	1.93588	64(a)
* 36 Acenaphthene-d10	164	8.923	8.929	(1.000)	1285550	40.0000	
\$ 40 2-Fluorobiphenyl	172	8.165	8.170	(0.915)	3200052	74.0913	2500
50 Dibenzofuran	168	9.164	9.169	(1.027)	55627	1.11676	37(a)
\$ 57 2,4,6-Tribromophenol	329	9.858	9.863	(1.105)	451652	66.7623	2200
* 58 Phenanthrene-d10	188	10.697	10.697	(1.000)	2316600	40.0000	
64 Pentachlorophenol	266	10.472	10.472	(0.979)	21421	2.18978	73(a)
65 Phenanthrene	178	10.723	10.729	(1.002)	676645	11.3066	370
66 Anthracene	178	10.787	10.793	(1.008)	163506	2.59891	86(a)
67 Carbazole	167	10.974	10.974	(1.026)	99807	1.68848	56(a)
69 Fluoranthene	202	12.107	12.112	(1.132)	1607739	21.8497	720
* 71 Chrysene-d12	240	13.672	13.672	(1.000)	2581016	40.0000	
72 Pyrene	202	12.363	12.368	(0.904)	1328077	17.2363	570
\$ 73 Terphenyl-d14	244	12.529	12.534	(0.916)	4676091	76.3079	2500
74 Butylbenzylphthalate	149	13.052	13.057	(0.955)	23083	0.73628	24(a)
76 Benzo(a)Anthracene	228	13.661	13.661	(0.999)	957018	13.0171	430(H)
77 Bis(2-ethylhexyl)phthalate	149	13.656	13.661	(0.999)	183379	4.62757	150(a)
78 Chrysene	228	13.698	13.704	(1.002)	959636	13.5071	450
* 79 Perylene-d12	264	15.482	15.488	(1.000)	2878953	40.0000	
81 Benzo(b)fluoranthene	252	14.937	14.943	(0.965)	1667845	20.1409	670(M)
82 Benzo(k)fluoranthene	252	14.964	14.980	(0.967)	520376	6.37976	210(aMH)
83 Benzo(a)pyrene	252	15.397	15.407	(0.994)	852645	11.6548	390
84 Indeno(1,2,3-cd)pyrene	276	17.346	17.357	(1.269)	714166	7.81919	260(a)
86 Benzo(g,h,i)perylene	276	17.912	17.923	(1.157)	680183	8.29364	270(a)
M 88 MethylPhenols,Total	100				157549	9.69835	320(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: gd0529.d

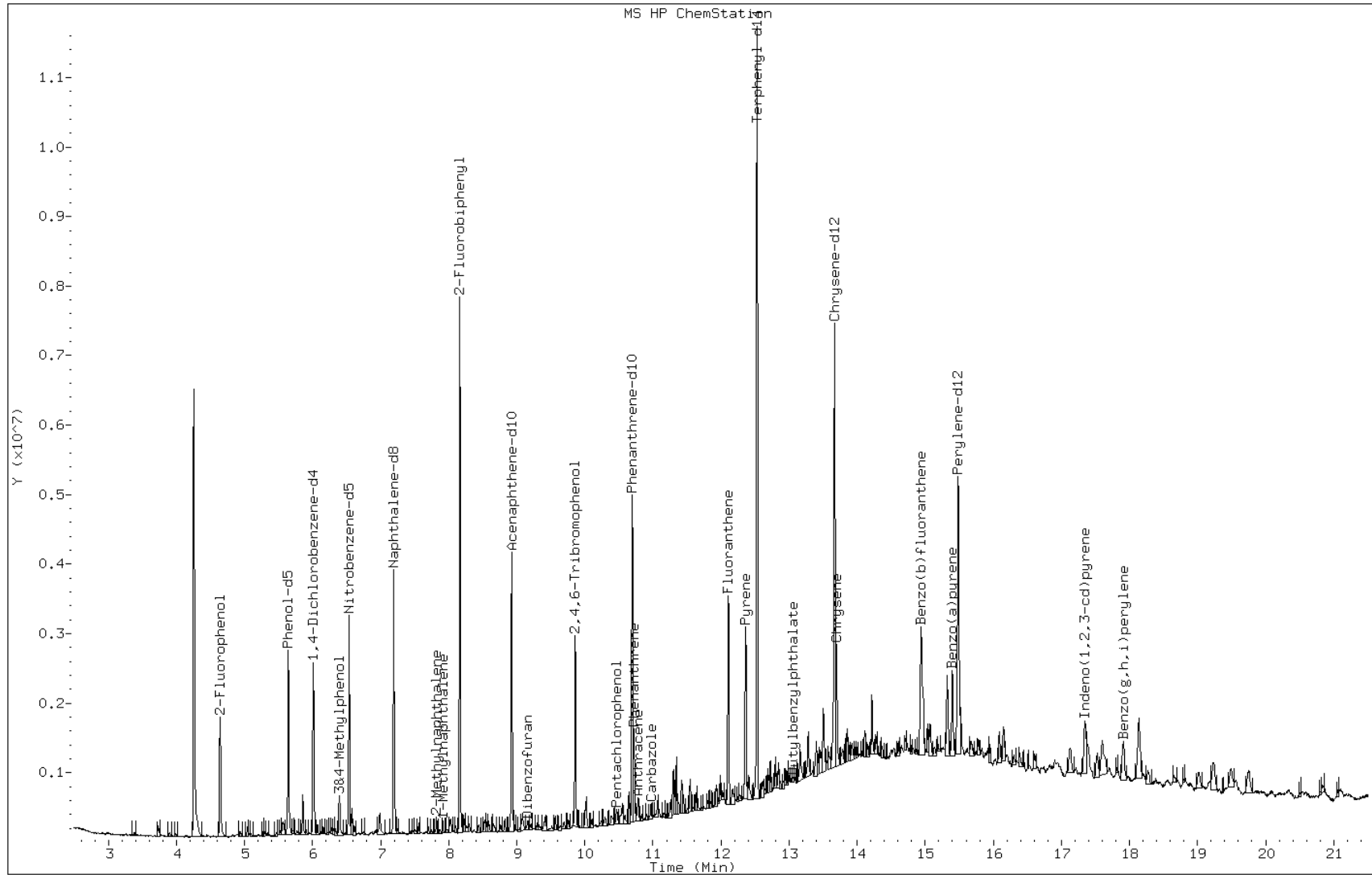
Date: 05-APR-2013 21:35

Client ID: CV0509G-CS

Instrument: MSG5973.i

Sample Info: 680-88767-B-15-A

Operator: LEG



Data File: gd0529.d

Date: 05-APR-2013 21:35

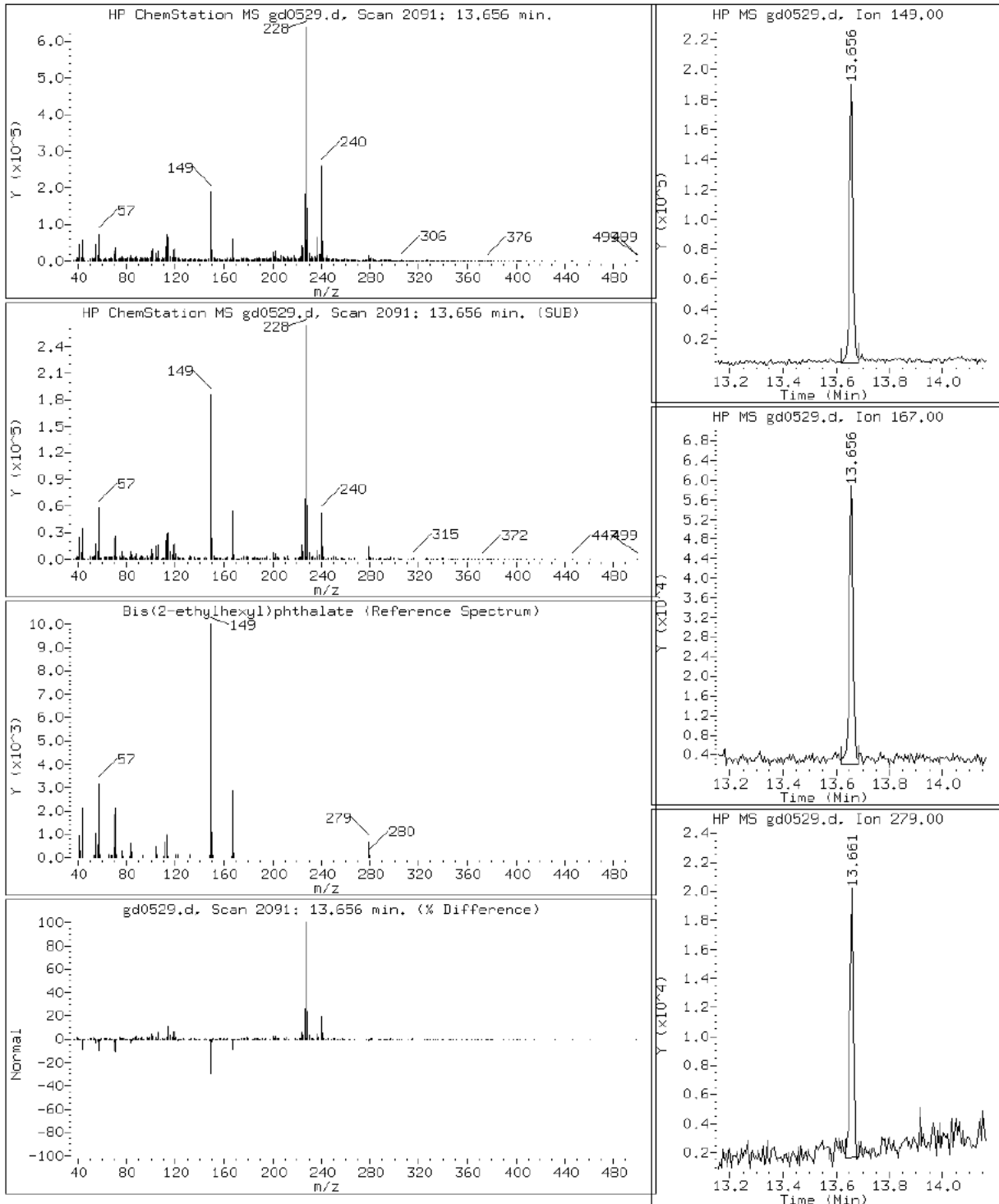
Client ID: CV0509G-CS

Instrument: MSG5973.i

Sample Info: 680-88767-B-15-A

Operator: LEG

77 Bis(2-ethylhexyl)phthalate



Data File: gd0529.d

Date: 05-APR-2013 21:35

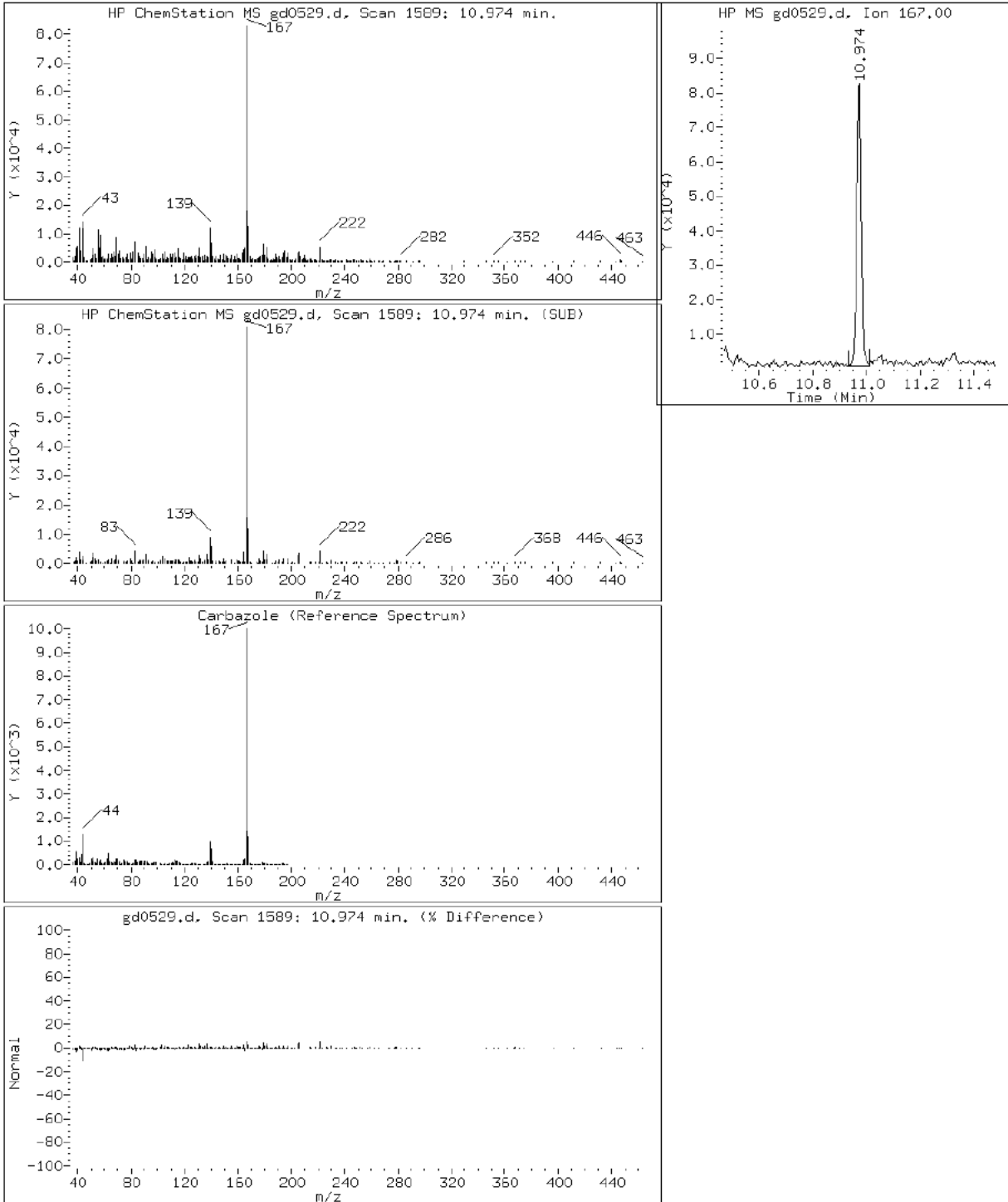
Client ID: CV0509G-CS

Instrument: MSG5973.i

Sample Info: 680-88767-B-15-A

Operator: LEG

67 Carbazole



Data File: gd0529.d

Date: 05-APR-2013 21:35

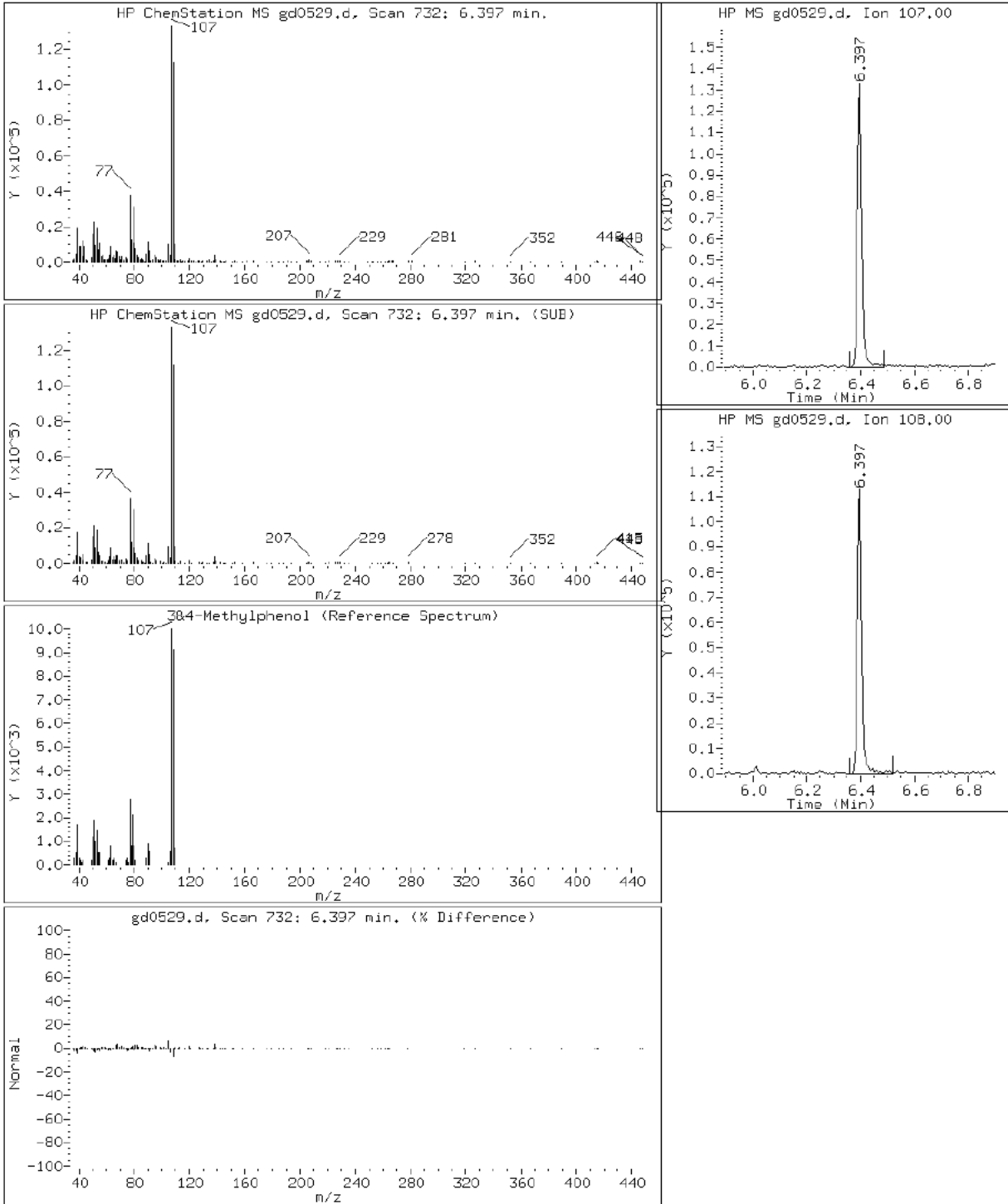
Client ID: CV0509G-CS

Instrument: MSG5973.i

Sample Info: 680-88767-B-15-A

Operator: LEG

18 3&4-Methylphenol



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-88767-4 Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33 Calibration End Date: 04/03/2013 15:00 Calibration ID: 17310

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-272296/7	gd0308q.d
Level 2	IC 680-272296/6	gd0307q.d
Level 3	IC 680-272296/5	gd0306q.d
Level 4	ICIS 680-272296/2	gd0303q.d
Level 5	IC 680-272296/4	gd0305q.d
Level 6	IC 680-272296/3	gd0304q.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6022 0.5664	0.5748	0.6212	0.5699	0.5617	Ave		0.5827			4.1		20.0				
N-Nitrosodimethylamine	0.9500 0.8984	0.9735	0.9897	0.9345	0.9199	Ave		0.9443			3.6		20.0				
Pyridine	1.4781 1.4489	1.5247	1.5052	1.4616	1.4462	Ave		1.4775			2.1		20.0				
Benzaldehyde	1.0294 +++++	0.8162	0.5246	0.3501	0.3666	Ave		0.6174		0.0100	48.1	*	20.0				
Phenol	1.7625 1.5420	1.7494	1.7459	1.6341	1.6265	Ave		1.6768		0.8000	5.3		20.0				
Aniline	1.8191 1.6814	1.8934	1.8472	1.7372	1.7598	Ave		1.7897			4.4		20.0				
Bis(2-chloroethyl)ether	1.1457 1.0187	1.1499	1.1248	1.0408	1.0592	Ave		1.0899		0.7000	5.2		20.0				
2-Chlorophenol	1.4639 1.3111	1.4317	1.4161	1.3620	1.3425	Ave		1.3879		0.8000	4.2		20.0				
1,3-Dichlorobenzene	1.8077 1.5171	1.7873	1.7192	1.6431	1.5743	Ave		1.6748			7.0		20.0				
1,4-Dichlorobenzene	1.6786 1.4659	1.6482	1.5577	1.5152	1.4960	Ave		1.5602			5.5		20.0				
Benzyl alcohol	0.8816 0.8619	0.8998	0.9278	0.8812	0.8741	Ave		0.8878			2.6		20.0				
1,2-Dichlorobenzene	1.6441 1.3929	1.6173	1.5447	1.4945	1.4588	Ave		1.5254			6.3		20.0				
2-Methylphenol	1.0570 0.9364	1.0694	1.0366	0.9802	0.9757	Ave		1.0092		0.7000	5.2		20.0				
bis (2-chloroisopropyl) ether	2.4776 2.0747	2.4489	2.3666	2.1580	2.2191	Ave		2.2908		0.0100	7.2		20.0				
3 & 4 Methylphenol	1.4908 1.2374	1.4815	1.4405	1.3408	1.3174	Ave		1.3847			7.4		20.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG

GC Column: RXi- 5Sil

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33

Calibration End Date: 04/03/2013 15:00

Calibration ID: 17310

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	0.4271 0.3338	0.4063	0.3958	0.4082	0.3450	Ave		0.3860			0.0100	9.8		20.0			
N-Nitrosodi-n-propylamine	0.8239 0.6605	0.7974	0.7432	0.6886	0.6857	Ave		0.7332			0.5000	9.0		20.0			
Hexachloroethane	0.5890 0.4959	0.5969	0.5674	0.5399	0.5293	Ave		0.5531			0.3000	7.0		20.0			
Nitrobenzene	0.3363 0.2698	0.3081	0.3047	0.2963	0.2829	Ave		0.2997			0.2000	7.6		20.0			
Isophorone	0.6755 0.5576	0.6184	0.6231	0.6338	0.5875	Ave		0.6160			0.4000	6.5		20.0			
2-Nitrophenol	0.1948 0.1755	0.1823	0.1889	0.1904	0.1826	Ave		0.1857			0.1000	3.7		20.0			
2,4-Dimethylphenol	0.3378 0.2488	0.3047	0.2931	0.3040	0.2784	Ave		0.2945			0.2000	10.1		20.0			
Bis(2-chloroethoxy)methane	0.3980 0.3161	0.3528	0.3531	0.3495	0.3291	Ave		0.3497			0.3000	8.0		20.0			
Benzoic acid	0.1846 0.2167	0.2005	0.2195	0.2154	0.2148	Ave		0.2086				6.5		20.0			
2,4-Dichlorophenol	0.3300 0.2694	0.3099	0.3115	0.3161	0.2844	Ave		0.3036			0.2000	7.4		20.0			
1,2,4-Trichlorobenzene	0.4180 0.2966	0.3660	0.3536	0.3571	0.3171	Ave		0.3514				12.0		20.0			
Naphthalene	1.0758 0.7836	0.9876	0.9427	0.9307	0.8626	Ave		0.9305			0.7000	10.8		20.0			
4-Chloroaniline	0.4117 0.3491	0.3946	0.3914	0.3987	0.3631	Ave		0.3848			0.0100	6.2		20.0			
Hexachlorobutadiene	0.2514 0.1879	0.2250	0.2200	0.2259	0.1970	Ave		0.2179			0.0100	10.4		20.0			
Caprolactam	0.1037 0.1018	0.1023	0.1082	0.1156	0.1020	Ave		0.1056			0.0100	5.2		20.0			
4-Chloro-3-methylphenol	0.2873 0.2387	0.2676	0.2730	0.2730	0.2505	Ave		0.2650			0.2000	6.6		20.0			
2-Methylnaphthalene	0.7660 0.6043	0.7122	0.7002	0.7035	0.6332	Ave		0.6866			0.4000	8.5		20.0			
1-Methylnaphthalene	0.7333 0.5653	0.6765	0.6463	0.6463	0.5927	Ave		0.6434				9.3		20.0			
Hexachlorocyclopentadiene	0.4429 0.3779	0.4396	0.4401	0.4164	0.4111	Ave		0.4213			0.0500	6.0		20.0			
2,4,6-Trichlorophenol	0.3917 0.3817	0.3999	0.3967	0.4149	0.3998	Ave		0.3975			0.2000	2.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG

GC Column: RXi- 5Sil

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33

Calibration End Date: 04/03/2013 15:00

Calibration ID: 17310

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,4,5-Trichlorophenol	0.4387 0.3684	0.4470	0.4088	0.3892	0.3886	Ave		0.4068			0.2000	7.6		20.0			
1,1'-Biphenyl	1.4042 1.2019	1.4626	1.4429	1.3632	1.2636	Ave		1.3564			0.0100	7.6		20.0			
2-Chloronaphthalene	1.1913 0.9874	1.1650	1.1190	1.0627	1.0541	Ave		1.0966			0.8000	6.9		20.0			
2-Nitroaniline	0.2945 0.2895	0.3074	0.3209	0.2880	0.3058	Ave		0.3010			0.0100	4.2		20.0			
Dimethyl phthalate	1.3806 1.1757	1.3464	1.3443	1.2647	1.2352	Ave		1.2911			0.0100	6.1		20.0			
2,6-Dinitrotoluene	0.2701 0.2707	0.2837	0.2937	0.2756	0.2813	Ave		0.2792			0.2000	3.2		20.0			
Acenaphthylene	1.8563 1.5068	1.8473	1.7974	1.6472	1.6574	Ave		1.7187			0.9000	8.0		20.0			
3-Nitroaniline	0.2835 0.3025	0.3118	0.3305	0.3072	0.3126	Ave		0.3080			0.0100	5.0		20.0			
Acenaphthene	1.0683 0.9460	1.0574	1.0906	1.0279	0.9982	Ave		1.0314			0.9000	5.1		20.0			
2,4-Dinitrophenol	0.1156 0.1630	0.1313	0.1624	0.1560	0.1578	Ave		0.1477			0.0100	13.3		20.0			
4-Nitrophenol	0.1922 0.2109	0.2119	0.2294	0.2015	0.2165	Ave		0.2104			0.0100	6.1		20.0			
2,4-Dinitrotoluene	0.3426 0.3680	0.3649	0.3979	0.3720	0.3843	Ave		0.3716			0.2000	5.0		20.0			
Dibenzofuran	1.7108 1.3526	1.6794	1.6045	1.4932	1.4587	Ave		1.5499			0.8000	8.9		20.0			
Diethyl phthalate	1.2853 1.0674	1.2716	1.2488	1.1628	1.1504	Ave		1.1977			0.0100	7.1		20.0			
4-Chlorophenyl phenyl ether	0.7561 0.6110	0.7454	0.7325	0.6739	0.6594	Ave		0.6964			0.4000	8.2		20.0			
Fluorene	1.3436 1.0608	1.3009	1.2446	1.1411	1.1338	Ave		1.2041			0.9000	9.1		20.0			
4-Nitroaniline	0.3021 0.2811	0.2971	0.3018	0.2782	0.2839	Ave		0.2907			0.0100	3.7		20.0			
4,6-Dinitro-2-methylphenol	0.1120 0.1489	0.1199	0.1395	0.1446	0.1438	Ave		0.1348			0.0100	11.2		20.0			
N-Nitrosodiphenylamine	0.5921 0.5487	0.5726	0.5721	0.5668	0.5566	Ave		0.5681			0.0100	2.6		20.0			
1,2-Diphenylhydrazine (as Azobenzene)	0.6663 0.5848	0.6279	0.6240	0.6023	0.5904	Ave		0.6160				4.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG

GC Column: RXi- 5Sil

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33

Calibration End Date: 04/03/2013 15:00

Calibration ID: 17310

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
4-Bromophenyl phenyl ether	0.2808 0.2447	0.2649	0.2639	0.2630	0.2442	Ave		0.2602			0.1000	5.3		20.0			
Hexachlorobenzene	0.2973 0.2480	0.2756	0.2686	0.2727	0.2537	Ave		0.2693			0.1000	6.5		20.0			
Atrazine	0.2311 0.1987	0.2268	0.2236	0.2344	0.1983	Ave		0.2188			0.0100	7.4		20.0			
Pentachlorophenol	0.1516 0.1774	0.1605	0.1739	0.1769	0.1731	Ave		0.1689			0.0500	6.2		20.0			
Dinoseb	0.1592 0.2283	0.1736	0.2135	0.2154	0.2177	Ave		0.2013				13.8		20.0			
Phenanthrene	1.0945 0.9572	1.0437	1.0745	1.0389	0.9912	Ave		1.0333			0.7000	5.0		20.0			
Anthracene	1.1786 0.9736	1.1243	1.1265	1.0862	1.0285	Ave		1.0863			0.7000	6.8		20.0			
Carbazole	1.0717 0.9419	1.0380	1.0610	1.0306	0.9808	Ave		1.0206			0.0100	4.9		20.0			
Di-n-butyl phthalate	1.2704 0.9543	1.2259	1.2623	1.2193	1.1661	Ave		1.1831			0.0100	10.0		20.0			
Fluoranthene	1.3807 1.0595	1.3008	1.3401	1.3148	1.2272	Ave		1.2705			0.6000	9.1		20.0			
Benzidine	0.6225 0.4039	0.5122	0.5285	0.5015	0.4282	Ave		0.4995				15.6		20.0			
Pyrene	1.3613 0.9520	1.2863	1.2597	1.1637	1.1418	Ave		1.1941			0.6000	12.0		20.0			
Butyl benzyl phthalate	0.5164 0.4521	0.4993	0.5070	0.4708	0.4696	Ave		0.4859			0.0100	5.2		20.0			
3,3'-Dichlorobenzidine	0.4529 0.4034	0.4527	0.4694	0.4566	0.4231	Ave		0.4430			0.0100	5.6		20.0			
Bis(2-ethylhexyl) phthalate	0.6655 0.5416	0.6395	0.6459	0.6025	0.5898	Ave		0.6141			0.0100	7.4		20.0			
Benzo[a]anthracene	1.2200 1.0234	1.1859	1.1806	1.1104	1.1162	Ave		1.1394			0.8000	6.2		20.0			
Chrysene	1.2562 0.9144	1.1627	1.1393	1.0878	1.0461	Ave		1.1011			0.7000	10.5		20.0			
Di-n-octyl phthalate	1.1386 0.9379	1.1506	1.2452	1.1760	1.1421	Ave		1.1317			0.0100	9.1		20.0			
Benzo[b]fluoranthene	1.2365 1.1288	1.1571	1.1281	1.1659	1.0869	Ave		1.1505			0.7000	4.4		20.0			
Benzo[k]fluoranthene	1.3634 0.9284	1.2708	1.1025	1.1306	1.0039	Ave		1.1333			0.7000	14.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-88767-4 Analy Batch No.: 272296
 SDG No.: 68088767-4
 Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 04/03/2013 12:33 Calibration End Date: 04/03/2013 15:00 Calibration ID: 17310

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	1.1032 0.9041	1.0615	1.0507	1.0114	0.9679	Ave		1.0165			0.7000	7.1	20.0				
Indeno[1,2,3-cd]pyrene	1.4276 1.3528	1.4181	1.4901	1.4309	1.3734	Ave		1.4155			0.5000	3.4	20.0				
Dibenz(a,h)anthracene	1.1665 0.9810	1.1294	1.1395	1.0873	1.0468	Ave		1.0918			0.4000	6.3	20.0				
Benzo[g,h,i]perylene	1.1717 1.0688	1.1752	1.1835	1.1457	1.0919	Ave		1.1395			0.5000	4.2	20.0				
Methyl Phenols, Total	1.2739 1.0869	1.2755	1.2385	1.1605	1.1466	Ave		1.1970			0.6000	6.4	20.0				
2-Fluorophenol (Surr)	1.2995 1.2484	1.3360	1.3156	1.2955	1.2845	Ave		1.2966				2.3	20.0				
Phenol-d5 (Surr)	1.4902 1.4127	1.5043	1.5049	1.4290	1.4472	Ave		1.4647				2.7	20.0				
Nitrobenzene-d5 (Surr)	0.3405 0.2837	0.3252	0.3175	0.3091	0.2988	Ave		0.3125				6.4	20.0				
2-Fluorobiphenyl	1.5015 1.1779	1.4528	1.3835	1.2785	1.2691	Ave		1.3439				9.2	20.0				
2,4,6-Tribromophenol (Surr)	0.2092 0.1960	0.2114	0.2223	0.2160	0.2080	Ave		0.2105				4.2	20.0				
Terphenyl-d14 (Surr)	1.0541 0.8015	1.0103	0.9948	0.9385	0.8990	Ave		0.9497				9.6	20.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-88767-4 Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33 Calibration End Date: 04/03/2013 15:00 Calibration ID: 17310

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-272296/7	gd0308q.d
Level 2	IC 680-272296/6	gd0307q.d
Level 3	IC 680-272296/5	gd0306q.d
Level 4	ICIS 680-272296/2	gd0303q.d
Level 5	IC 680-272296/4	gd0305q.d
Level 6	IC 680-272296/3	gd0304q.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	121570 1818375	235756	603445	906924	1082580	10.0 200	20.0	50.0	80.0	100
N-Nitrosodimethylamine	DCB	Ave	191802 2883913	399314	961420	1487093	1772836	10.0 200	20.0	50.0	80.0	100
Pyridine	DCB	Ave	298411 4651332	625383	1462164	2325866	2787318	10.0 200	20.0	50.0	80.0	100
Benzaldehyde	DCB	Ave	207819 +++++	334787	509621	557125	706521	10.0 +++++	20.0	50.0	80.0	100
Phenol	DCB	Ave	355823 4950293	717560	1695985	2600347	3134813	10.0 200	20.0	50.0	80.0	100
Aniline	DCB	Ave	367254 5397530	776631	1794351	2764488	3391588	10.0 200	20.0	50.0	80.0	100
Bis(2-chloroethyl)ether	DCB	Ave	231304 3270385	471658	1092658	1656163	2041380	10.0 200	20.0	50.0	80.0	100
2-Chlorophenol	DCB	Ave	295540 4208786	587223	1375587	2167316	2587351	10.0 200	20.0	50.0	80.0	100
1,3-Dichlorobenzene	DCB	Ave	364959 4870360	733097	1669972	2614647	3034052	10.0 200	20.0	50.0	80.0	100
1,4-Dichlorobenzene	DCB	Ave	338881 4705770	676025	1513139	2411179	2883168	10.0 200	20.0	50.0	80.0	100
Benzyl alcohol	DCB	Ave	177992 2766820	369066	901296	1402309	1684708	10.0 200	20.0	50.0	80.0	100
1,2-Dichlorobenzene	DCB	Ave	331932 4471514	663372	1500469	2378167	2811605	10.0 200	20.0	50.0	80.0	100
2-Methylphenol	DCB	Ave	213396 3006087	438643	1006911	1559794	1880518	10.0 200	20.0	50.0	80.0	100
bis (2-chloroisopropyl) ether	DCB	Ave	500195 6660152	1004473	2298856	3434045	4276828	10.0 200	20.0	50.0	80.0	100
3 & 4 Methylphenol	DCB	Ave	300973 3972242	607679	1399243	2133652	2538961	10.0 200	20.0	50.0	80.0	100
Acetophenone	NPT	Ave	314181 4334219	653612	1515361	2411818	2655707	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG

GC Column: RXi- 5Sil

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33

Calibration End Date: 04/03/2013 15:00

Calibration ID: 17310

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	166338 2120468	327081	721932	1095743	1321611	10.0 200	20.0	50.0	80.0	100
Hexachloroethane	DCB	Ave	118916 1592003	244822	551140	859137	1020112	10.0 200	20.0	50.0	80.0	100
Nitrobenzene	NPT	Ave	247406 3503167	495626	1166554	1750744	2177860	10.0 200	20.0	50.0	80.0	100
Isophorone	NPT	Ave	496911 7240526	994740	2385582	3745086	4522662	10.0 200	20.0	50.0	80.0	100
2-Nitrophenol	NPT	Ave	143274 2278976	293218	723377	1124974	1405407	10.0 200	20.0	50.0	80.0	100
2,4-Dimethylphenol	NPT	Ave	248517 3230789	490036	1122326	1796194	2142887	10.0 200	20.0	50.0	80.0	100
Bis(2-chloroethoxy)methane	NPT	Ave	292752 4104062	567457	1351796	2064906	2533171	10.0 200	20.0	50.0	80.0	100
Benzoic acid	NPT	Ave	135787 2813592	322568	840315	1272526	1653132	10.0 200	20.0	50.0	80.0	100
2,4-Dichlorophenol	NPT	Ave	242743 3498520	498549	1192584	1867711	2188957	10.0 200	20.0	50.0	80.0	100
1,2,4-Trichlorobenzene	NPT	Ave	307521 3850714	588703	1353892	2109921	2440868	10.0 200	20.0	50.0	80.0	100
Naphthalene	NPT	Ave	791393 10175236	1588581	3609532	5499127	6639951	10.0 200	20.0	50.0	80.0	100
4-Chloroaniline	NPT	Ave	302880 4532737	634784	1498588	2355699	2795253	10.0 200	20.0	50.0	80.0	100
Hexachlorobutadiene	NPT	Ave	184950 2440004	361989	842384	1334808	1516060	10.0 200	20.0	50.0	80.0	100
Caprolactam	NPT	Ave	76254 1321561	164485	414312	683298	785476	10.0 200	20.0	50.0	80.0	100
4-Chloro-3-methylphenol	NPT	Ave	211354 3099477	430379	1045344	1613272	1927927	10.0 200	20.0	50.0	80.0	100
2-Methylnaphthalene	NPT	Ave	563518 7846230	1145572	2681034	4156628	4874068	10.0 200	20.0	50.0	80.0	100
1-Methylnaphthalene	NPT	Ave	539471 7340947	1088141	2474664	3818514	4562084	10.0 200	20.0	50.0	80.0	100
Hexachlorocyclopentadiene	ANT	Ave	203196 2947560	412584	1001240	1578788	1868231	10.0 200	20.0	50.0	80.0	100
2,4,6-Trichlorophenol	ANT	Ave	179693 2977479	375353	902528	1573154	1816859	10.0 200	20.0	50.0	80.0	100
2,4,5-Trichlorophenol	ANT	Ave	201261 2873946	419523	929929	1475615	1766233	10.0 200	20.0	50.0	80.0	100
1,1'-Biphenyl	ANT	Ave	644172 9375251	1372705	3282481	5168646	5742393	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-88767-4 Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33 Calibration End Date: 04/03/2013 15:00 Calibration ID: 17310

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloronaphthalene	ANT	Ave	546515 7701645	1093418	2545632	4029498	4790275	10.0 200	20.0	50.0	80.0	100
2-Nitroaniline	ANT	Ave	135113 2258524	288490	730057	1092114	1389575	10.0 200	20.0	50.0	80.0	100
Dimethyl phthalate	ANT	Ave	633346 9170254	1263635	3058200	4795377	5613370	10.0 200	20.0	50.0	80.0	100
2,6-Dinitrotoluene	ANT	Ave	123896 2111880	266240	668142	1044828	1278330	10.0 200	20.0	50.0	80.0	100
Acenaphthylene	ANT	Ave	851616 11753537	1733745	4088997	6245379	7532312	10.0 200	20.0	50.0	80.0	100
3-Nitroaniline	ANT	Ave	130060 2359202	292625	751891	1164590	1420520	10.0 200	20.0	50.0	80.0	100
Acenaphthene	ANT	Ave	490097 7378715	992393	2481018	3897241	4536601	10.0 200	20.0	50.0	80.0	100
2,4-Dinitrophenol	ANT	Ave	53047 1271703	123246	369433	591667	717214	10.0 200	20.0	50.0	80.0	100
4-Nitrophenol	ANT	Ave	88169 1644856	198859	521855	763835	983688	10.0 200	20.0	50.0	80.0	100
2,4-Dinitrotoluene	ANT	Ave	157169 2870582	342473	905100	1410434	1746494	10.0 200	20.0	50.0	80.0	100
Dibenzofuran	ANT	Ave	784851 10550748	1576153	3650046	5661717	6629258	10.0 200	20.0	50.0	80.0	100
Diethyl phthalate	ANT	Ave	589621 8325772	1193430	2840840	4408791	5227967	10.0 200	20.0	50.0	80.0	100
4-Chlorophenyl phenyl ether	ANT	Ave	346874 4766240	699604	1666375	2555074	2996510	10.0 200	20.0	50.0	80.0	100
Fluorene	ANT	Ave	616390 8274028	1220969	2831419	4326443	5152721	10.0 200	20.0	50.0	80.0	100
4-Nitroaniline	ANT	Ave	138613 2192526	278861	686478	1054780	1290295	10.0 200	20.0	50.0	80.0	100
4,6-Dinitro-2-methylphenol	PHN	Ave	87157 1852032	197573	552547	907081	1099526	10.0 200	20.0	50.0	80.0	100
N-Nitrosodiphenylamine	PHN	Ave	460700 6826147	943806	2266600	3556961	4256714	10.0 200	20.0	50.0	80.0	100
1,2-Diphenylhydrazine (as Azobenzene)	PHN	Ave	518444 7276059	1034973	2472485	3779311	4515772	10.0 200	20.0	50.0	80.0	100
4-Bromophenyl phenyl ether	PHN	Ave	218490 3044418	436628	1045563	1650281	1867939	10.0 200	20.0	50.0	80.0	100
Hexachlorobenzene	PHN	Ave	231358 3085862	454300	1064362	1711055	1940174	10.0 200	20.0	50.0	80.0	100
Atrazine	PHN	Ave	179793 2471882	373858	886022	1470883	1516373	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG

GC Column: RXi- 5Sil

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33

Calibration End Date: 04/03/2013 15:00

Calibration ID: 17310

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	PHN	Ave	117968 2206795	264585	689052	1110391	1323766	10.0 200	20.0	50.0	80.0	100
Dinoseb	PHN	Ave	123906 2840892	286179	845896	1351802	1664728	10.0 200	20.0	50.0	80.0	100
Phenanthrene	PHN	Ave	851594 11908605	1720473	4257343	6519195	7580762	10.0 200	20.0	50.0	80.0	100
Anthracene	PHN	Ave	917012 12113096	1853347	4463513	6816433	7866364	10.0 200	20.0	50.0	80.0	100
Carbazole	PHN	Ave	833842 11718244	1710956	4203846	6467002	7501370	10.0 200	20.0	50.0	80.0	100
Di-n-butyl phthalate	PHN	Ave	988464 11872709	2020752	5001535	7651653	8918365	10.0 200	20.0	50.0	80.0	100
Fluoranthene	PHN	Ave	1074278 13181401	2144183	5309898	8250389	9386076	10.0 200	20.0	50.0	80.0	100
Benzidine	CRY	Ave	498425 5610966	864994	2255591	3523503	3506275	10.0 200	20.0	50.0	80.0	100
Pyrene	CRY	Ave	1089951 13225096	2172328	5376193	8176618	9350096	10.0 200	20.0	50.0	80.0	100
Butyl benzyl phthalate	CRY	Ave	413472 6280120	843262	2163890	3308311	3845504	10.0 200	20.0	50.0	80.0	100
3,3'-Dichlorobenzidine	CRY	Ave	362600 5604215	764500	2003230	3208121	3465171	10.0 200	20.0	50.0	80.0	100
Bis(2-ethylhexyl) phthalate	CRY	Ave	532880 7523523	1079986	2756453	4233820	4830102	10.0 200	20.0	50.0	80.0	100
Benzo[a]anthracene	CRY	Ave	976859 14216101	2002709	5038753	7801995	9140466	10.0 200	20.0	50.0	80.0	100
Chrysene	CRY	Ave	1005787 12703206	1963630	4862245	7643298	8566293	10.0 200	20.0	50.0	80.0	100
Di-n-octyl phthalate	CRY	Ave	911654 13028398	1943147	5314240	8263345	9352676	10.0 200	20.0	50.0	80.0	100
Benzo[b]fluoranthene	PRY	Ave	1058822 18615119	2103950	5477947	9446646	10222695	10.0 200	20.0	50.0	80.0	100
Benzo[k]fluoranthene	PRY	Ave	1167493 15310449	2310810	5353605	9160950	9442470	10.0 200	20.0	50.0	80.0	100
Benzo[a]pyrene	PRY	Ave	944663 14908979	1930169	5101954	8194485	9104047	10.0 200	20.0	50.0	80.0	100
Indeno[1,2,3-cd]pyrene	CRY	Ave	1143054 18793324	2394854	6359607	10054267	11247196	10.0 200	20.0	50.0	80.0	100
Dibenz(a,h)anthracene	PRY	Ave	998871 16177761	2053679	5533545	8809470	9845777	10.0 200	20.0	50.0	80.0	100
Benzo[g,h,i]perylene	PRY	Ave	1003318 17626048	2136909	5747308	9283059	10269840	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-88767-4 Analy Batch No.: 272296

SDG No.: 68088767-4

Instrument ID: MSG GC Column: RXi- 5Sil ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 12:33 Calibration End Date: 04/03/2013 15:00 Calibration ID: 17310

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl Phenols, Total	DCB	Ave	514369 6978329	1046322	2406154	3693446	4419479	20.0 400	40.0	100	160	200
2-Fluorophenol (Surr)	DCB	Ave	262346 4007807	547972	1277938	2061541	2475631	10.0 200	20.0	50.0	80.0	100
Phenol-d5 (Surr)	DCB	Ave	300850 4535173	617016	1461864	2274047	2789245	10.0 200	20.0	50.0	80.0	100
Nitrobenzene-d5 (Surr)	NPT	Ave	250467 3683285	523017	1215723	1826450	2300120	10.0 200	20.0	50.0	80.0	100
2-Fluorobiphenyl	ANT	Ave	688823 9187689	1363512	3147396	4847550	5767410	10.0 200	20.0	50.0	80.0	100
2,4,6-Tribromophenol (Surr)	ANT	Ave	95954 1528632	198444	505803	819156	945348	10.0 200	20.0	50.0	80.0	100
Terphenyl-d14 (Surr)	CRY	Ave	843995 11133632	1706169	4245548	6594673	7362232	10.0 200	20.0	50.0	80.0	100

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0303q.d
 Lab Smp Id: ICIS-3046467;BNA080
 Inj Date : 03-APR-2013 12:33
 Operator : LEG
 Smp Info : ICIS-3046467;BNA080-173
 Misc Info :
 Comment :
 Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
 Meth Date : 08-Apr-2013 15:35 gillinsl Quant Type: ISTD
 Cal Date : 03-APR-2013 19:23 Cal File: gd0317q.d
 Als bottle: 3 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TL2013.sub
 Target Version: 3.50
 Processing Host: savchem1

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.041	6.041	(1.000)	795651	40.0000	
2 1,4-Dioxane	88	2.692	2.692	(0.446)	906924	80.0000	78
3 Pyridine	79	3.098	3.098	(0.513)	2325866	80.0000	79
4 N-Nitrosodimethylamine	42	3.039	3.039	(0.503)	1487093	80.0000	79
\$ 5 2-Fluorophenol	112	4.669	4.669	(0.773)	2061541	80.0000	80
\$ 6 Phenol-d5	99	5.673	5.673	(0.939)	2274047	80.0000	78
7 Aniline	93	5.715	5.715	(0.946)	2764488	80.0000	78
8 Phenol	94	5.689	5.689	(0.942)	2600347	80.0000	78
9 Bis(2-chloroethyl)ether	63	5.774	5.774	(0.956)	1656163	80.0000	76
10 2-Chlorophenol	128	5.838	5.838	(0.966)	2167316	80.0000	79
11 1,3-Dichlorobenzene	146	5.988	5.988	(0.991)	2614647	80.0000	78
12 1,4-Dichlorobenzene	146	6.057	6.057	(1.003)	2411179	80.0000	78
13 Benzyl Alcohol	108	6.175	6.175	(1.022)	1402309	80.0000	79
14 1,2-Dichlorobenzene	146	6.212	6.212	(1.028)	2378167	80.0000	78
15 2-Methylphenol	107	6.282	6.282	(1.040)	1559794	80.0000	78
16 bis (2-Chloroisopropyl) ether	45	6.303	6.303	(1.043)	3434045	80.0000	75
17 N-Nitroso-di-n-propylamine	70	6.426	6.426	(1.064)	1095743	80.0000	75
18 3&4-Methylphenol	107	6.426	6.426	(1.064)	2133652	80.0000	77
19 Hexachloroethane	117	6.533	6.533	(1.081)	859137	80.0000	78
* 20 Naphthalene-d8	136	7.222	7.222	(1.000)	2954261	40.0000	
\$ 21 Nitrobenzene-d5	82	6.570	6.570	(0.910)	1826450	80.0000	79
22 Nitrobenzene	77	6.586	6.586	(0.912)	1750744	80.0000	79
23 Isophorone	82	6.805	6.805	(0.942)	3745086	80.0000	82
24 2-Nitrophenol	139	6.880	6.880	(0.953)	1124974	80.0000	82
25 2,4-Dimethylphenol	122	6.912	6.912	(0.957)	1796194	80.0000	83
26 Bis(2-chloroethoxy)methane	93	6.992	6.992	(0.968)	2064906	80.0000	80

Compounds	QUANT SIG		AMOUNTS			CAL-AMT (ug/ml)	ON-COL (ug/ml)
	MASS	RT	EXP RT	REL RT	RESPONSE		
=====	====	==	=====	=====	=====	=====	=====
27 Benzoic acid	105	7.013	7.013 (0.971)		1272526	80.0000	83
28 2,4-Dichlorophenol	162	7.093	7.093 (0.982)		1867711	80.0000	83
29 1,2,4-Trichlorobenzene	180	7.168	7.168 (0.993)		2109921	80.0000	81
30 Naphthalene	128	7.243	7.243 (1.003)		5499127	80.0000	80
31 4-Chloroaniline	127	7.280	7.280 (1.008)		2355699	80.0000	83
32 Hexachlorobutadiene	225	7.350	7.350 (1.018)		1334808	80.0000	83
33 4-Chloro-3-methylphenol	107	7.697	7.697 (1.066)		1613272	80.0000	82
34 2-Methylnaphthalene	142	7.852	7.852 (1.087)		4156628	80.0000	82
35 1-Methylnaphthalene	142	7.943	7.943 (1.100)		3818514	80.0000	80
* 36 Acenaphthene-d10	164	8.957	8.957 (1.000)		1895795	40.0000	
37 Hexachlorocyclopentadiene	237	8.001	8.001 (0.893)		1578788	80.0000	79
38 2,4,6-Trichlorophenol	196	8.114	8.114 (0.906)		1573154	80.0000	84
39 2,4,5-Trichlorophenol	196	8.156	8.156 (0.911)		1475615	80.0000	77
\$ 40 2-Fluorobiphenyl	172	8.194	8.194 (0.915)		4847550	80.0000	76
41 2-Chloronaphthalene	162	8.332	8.332 (0.930)		4029498	80.0000	78
42 2-Nitroaniline	65	8.429	8.429 (0.941)		1092114	80.0000	77
43 Dimethylphthalate	163	8.616	8.616 (0.962)		4795377	80.0000	78
44 2,6-Dinitrotoluene	165	8.690	8.690 (0.970)		1044828	80.0000	79
45 Acenaphthylene	152	8.797	8.797 (0.982)		6245379	80.0000	77
46 3-Nitroaniline	138	8.893	8.893 (0.993)		1164590	80.0000	80
47 Acenaphthene	154	8.995	8.995 (1.004)		3897241	80.0000	80
48 2,4-Dinitrophenol	184	9.005	9.005 (1.005)		591667	80.0000	85
49 4-Nitrophenol	65	9.064	9.064 (1.012)		763835	80.0000	77
50 Dibenzofuran	168	9.198	9.198 (1.027)		5661717	80.0000	77
51 2,4-Dinitrotoluene	165	9.160	9.160 (1.023)		1410434	80.0000	80
53 Diethylphthalate	149	9.438	9.438 (1.054)		4408791	80.0000	78
54 Fluorene	166	9.604	9.604 (1.072)		4326443	80.0000	76
55 4-Chlorophenyl-phenylether	204	9.588	9.588 (1.070)		2555074	80.0000	77
56 4-Nitroaniline	138	9.620	9.620 (1.074)		1054780	80.0000	77
\$ 57 2,4,6-Tribromophenol	329	9.892	9.892 (1.104)		819156	80.0000	82
* 58 Phenanthrene-d10	188	10.731	10.731 (1.000)		3137599	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.652	9.652 (0.899)		907081	80.0000	86
60 N-Nitrosodiphenylamine	169	9.732	9.732 (0.907)		3556961	80.0000	80
61 1,2-Diphenylhydrazine	77	9.780	9.780 (0.911)		3779311	80.0000	78
62 4-Bromophenyl-phenylether	248	10.181	10.181 (0.949)		1650281	80.0000	81
63 Hexachlorobenzene	284	10.277	10.277 (0.958)		1711055	80.0000	81
64 Pentachlorophenol	266	10.501	10.501 (0.979)		1110391	80.0000	84
65 Phenanthrene	178	10.757	10.757 (1.002)		6519195	80.0000	80
66 Anthracene	178	10.821	10.821 (1.008)		6816433	80.0000	80
67 Carbazole	167	11.003	11.003 (1.025)		6467002	80.0000	81
68 Di-n-Butylphthalate	149	11.409	11.409 (1.063)		7651653	80.0000	82
69 Fluoranthene	202	12.141	12.141 (1.131)		8250389	80.0000	83
70 Benzidine	184	12.280	12.280 (0.896)		3523503	80.0000	80
* 71 Chrysene-d12	240	13.706	13.706 (1.000)		3513284	40.0000	
72 Pyrene	202	12.392	12.392 (0.904)		8176618	80.0000	78
\$ 73 Terphenyl-d14	244	12.557	12.557 (0.916)		6594673	80.0000	79
74 Butylbenzylphthalate	149	13.081	13.081 (0.954)		3308311	80.0000	78

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.652	13.652	(0.996)	3208121	80.0000	82
76 Benzo(a)Anthracene	228	13.690	13.690	(0.999)	7801995	80.0000	78
77 Bis(2-ethylhexyl)phthalate	149	13.684	13.684	(0.998)	4233820	80.0000	78
78 Chrysene	228	13.732	13.732	(1.002)	7643298	80.0000	79
* 79 Perylene-d12	264	15.522	15.522	(1.000)	4051226	40.0000	
80 Di-n-octylphthalate	149	14.405	14.405	(1.051)	8263345	80.0000	83
81 Benzo(b)fluoranthene	252	14.977	14.977	(0.965)	9446646	80.0000	81
82 Benzo(k)fluoranthene	252	15.014	15.014	(0.967)	9160950	80.0000	80
83 Benzo(a)pyrene	252	15.441	15.441	(0.995)	8194485	80.0000	80
84 Indeno(1,2,3-cd)pyrene	276	17.407	17.407	(1.270)	10054267	80.0000	81
85 Dibenzo(a,h)anthracene	278	17.439	17.439	(1.124)	8809470	80.0000	80
86 Benzo(g,h,i)perylene	276	17.989	17.989	(1.159)	9283059	80.0000	80
87 Dinoseb	211	10.720	10.720	(0.999)	1351802	80.0000	86
89 Acetophenone	105	6.426	6.426	(0.890)	2411818	80.0000	85
90 Benzaldehyde	77	5.603	5.603	(0.927)	557125	80.0000	45
91 1,1-Biphenyl	154	8.300	8.300	(0.927)	5168646	80.0000	80
92 Caprolactam	113	7.595	7.595	(1.052)	683298	80.0000	88
93 Atrazine	200	10.367	10.367	(0.966)	1470883	80.0000	86
M 88 MethylPhenols,Total	100				3693446	160.000	160

TESTAMERICA SAVANNAH

Semivolatiles REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0304q.d
Lab Smp Id: IC-3033757;BNA200-7
Inj Date : 03-APR-2013 13:03
Operator : LEG
Smp Info : IC-3033757;BNA200-77
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 15:35 gillinsl Quant Type: ISTD
Cal Date : 03-APR-2013 19:52 Cal File: gd0318q.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.043	6.043	(1.000)	642046	40.0000	
2 1,4-Dioxane	88	2.688	2.688	(0.445)	1818375	200.000	190
3 Pyridine	79	3.094	3.094	(0.512)	4651332	200.000	200(H)
4 N-Nitrosodimethylamine	42	3.036	3.036	(0.502)	2883913	200.000	190
\$ 5 2-Fluorophenol	112	4.670	4.670	(0.773)	4007807	200.000	190
\$ 6 Phenol-d5	99	5.679	5.679	(0.940)	4535173	200.000	190
7 Aniline	93	5.717	5.717	(0.946)	5397530	200.000	190
8 Phenol	94	5.695	5.695	(0.943)	4950293	200.000	180
9 Bis(2-chloroethyl)ether	63	5.776	5.776	(0.956)	3270385	200.000	190
10 2-Chlorophenol	128	5.840	5.840	(0.966)	4208786	200.000	190
11 1,3-Dichlorobenzene	146	5.989	5.989	(0.991)	4870360	200.000	180
12 1,4-Dichlorobenzene	146	6.059	6.059	(1.003)	4705770	200.000	190
13 Benzyl Alcohol	108	6.176	6.176	(1.022)	2766820	200.000	190
14 1,2-Dichlorobenzene	146	6.208	6.208	(1.027)	4471514	200.000	180
15 2-Methylphenol	107	6.283	6.283	(1.040)	3006087	200.000	190
16 bis (2-Chloroisopropyl) ether	45	6.304	6.304	(1.043)	6660152	200.000	180
17 N-Nitroso-di-n-propylamine	70	6.433	6.433	(1.065)	2120468	200.000	180
18 3&4-Methylphenol	107	6.433	6.433	(1.065)	3972242	200.000	180
19 Hexachloroethane	117	6.529	6.529	(1.080)	1592003	200.000	180
* 20 Naphthalene-d8	136	7.223	7.223	(1.000)	2596968	40.0000	
\$ 21 Nitrobenzene-d5	82	6.571	6.571	(0.910)	3683285	200.000	180
22 Nitrobenzene	77	6.587	6.587	(0.912)	3503167	200.000	180
23 Isophorone	82	6.806	6.806	(0.942)	7240526	200.000	180
24 2-Nitrophenol	139	6.881	6.881	(0.953)	2278976	200.000	190
25 2,4-Dimethylphenol	122	6.913	6.913	(0.957)	3230789	200.000	170
26 Bis(2-chloroethoxy)methane	93	6.993	6.993	(0.968)	4104062	200.000	180

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	7.047	7.047	(0.976)	2813592	200.000	210(A)
28 2,4-Dichlorophenol	162	7.095	7.095	(0.982)	3498520	200.000	180
29 1,2,4-Trichlorobenzene	180	7.170	7.170	(0.993)	3850714	200.000	170
30 Naphthalene	128	7.239	7.239	(1.002)	10175236	200.000	170
31 4-Chloroaniline	127	7.282	7.282	(1.008)	4532737	200.000	180
32 Hexachlorobutadiene	225	7.351	7.351	(1.018)	2440004	200.000	170
33 4-Chloro-3-methylphenol	107	7.704	7.704	(1.067)	3099477	200.000	180
34 2-Methylnaphthalene	142	7.848	7.848	(1.087)	7846230	200.000	180
35 1-Methylnaphthalene	142	7.944	7.944	(1.100)	7340947	200.000	180
* 36 Acenaphthene-d10	164	8.959	8.959	(1.000)	1560031	40.0000	
37 Hexachlorocyclopentadiene	237	8.003	8.003	(0.893)	2947560	200.000	180
38 2,4,6-Trichlorophenol	196	8.115	8.115	(0.906)	2977479	200.000	190
39 2,4,5-Trichlorophenol	196	8.158	8.158	(0.911)	2873946	200.000	180
\$ 40 2-Fluorobiphenyl	172	8.195	8.195	(0.915)	9187689	200.000	180
41 2-Chloronaphthalene	162	8.334	8.334	(0.930)	7701645	200.000	180
42 2-Nitroaniline	65	8.430	8.430	(0.941)	2258524	200.000	190
43 Dimethylphthalate	163	8.622	8.622	(0.962)	9170254	200.000	180
44 2,6-Dinitrotoluene	165	8.692	8.692	(0.970)	2111880	200.000	190
45 Acenaphthylene	152	8.799	8.799	(0.982)	11753537	200.000	180
46 3-Nitroaniline	138	8.895	8.895	(0.993)	2359202	200.000	200
47 Acenaphthene	154	8.996	8.996	(1.004)	7378715	200.000	180
48 2,4-Dinitrophenol	184	9.012	9.012	(1.006)	1271703	200.000	220(A)
49 4-Nitrophenol	65	9.076	9.076	(1.013)	1644856	200.000	200(A)
50 Dibenzofuran	168	9.199	9.199	(1.027)	10550748	200.000	170
51 2,4-Dinitrotoluene	165	9.167	9.167	(1.023)	2870582	200.000	200
53 Diethylphthalate	149	9.445	9.445	(1.054)	8325772	200.000	180
54 Fluorene	166	9.605	9.605	(1.072)	8274028	200.000	180
55 4-Chlorophenyl-phenylether	204	9.589	9.589	(1.070)	4766240	200.000	180
56 4-Nitroaniline	138	9.627	9.627	(1.075)	2192526	200.000	190
\$ 57 2,4,6-Tribromophenol	329	9.894	9.894	(1.104)	1528632	200.000	190
* 58 Phenanthrene-d10	188	10.732	10.732	(1.000)	2488280	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.659	9.659	(0.900)	1852032	200.000	220(A)
60 N-Nitrosodiphenylamine	169	9.733	9.733	(0.907)	6826147	200.000	190
61 1,2-Diphenylhydrazine	77	9.781	9.781	(0.911)	7276059	200.000	190
62 4-Bromophenyl-phenylether	248	10.182	10.182	(0.949)	3044418	200.000	190
63 Hexachlorobenzene	284	10.278	10.278	(0.958)	3085862	200.000	180
64 Pentachlorophenol	266	10.502	10.502	(0.979)	2206795	200.000	210(A)
65 Phenanthrene	178	10.759	10.759	(1.002)	11908605	200.000	190
66 Anthracene	178	10.823	10.823	(1.008)	12113096	200.000	180
67 Carbazole	167	11.005	11.005	(1.025)	11718244	200.000	180
68 Di-n-Butylphthalate	149	11.405	11.405	(1.063)	11872709	200.000	160
69 Fluoranthene	202	12.137	12.137	(1.131)	13181401	200.000	170
70 Benzidine	184	12.281	12.281	(0.896)	5610966	200.000	160
* 71 Chrysene-d12	240	13.707	13.707	(1.000)	2778335	40.0000	
72 Pyrene	202	12.393	12.393	(0.904)	13225096	200.000	160
\$ 73 Terphenyl-d14	244	12.553	12.553	(0.916)	11133632	200.000	170
74 Butylbenzylphthalate	149	13.082	13.082	(0.954)	6280120	200.000	190

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.659	13.659	(0.996)	5604215	200.000	180
76 Benzo(a)Anthracene	228	13.691	13.691	(0.999)	14216101	200.000	180
77 Bis(2-ethylhexyl)phthalate	149	13.680	13.680	(0.998)	7523523	200.000	180
78 Chrysene	228	13.734	13.734	(1.002)	12703206	200.000	170
* 79 Perylene-d12	264	15.518	15.518	(1.000)	3298146	40.0000	
80 Di-n-octylphthalate	149	14.401	14.401	(1.051)	13028398	200.000	170
81 Benzo(b)fluoranthene	252	14.984	14.984	(0.966)	18615119	200.000	200
82 Benzo(k)fluoranthene	252	15.021	15.021	(0.968)	15310449	200.000	160
83 Benzo(a)pyrene	252	15.448	15.448	(0.996)	14908979	200.000	180
84 Indeno(1,2,3-cd)pyrene	276	17.414	17.414	(1.270)	18793324	200.000	190
85 Dibenzo(a,h)anthracene	278	17.456	17.456	(1.125)	16177761	200.000	180
86 Benzo(g,h,i)perylene	276	18.012	18.012	(1.161)	17626048	200.000	190
87 Dinoseb	211	10.721	10.721	(0.999)	2840892	200.000	230(A)
89 Acetophenone	105	6.427	6.427	(0.890)	4334219	200.000	170
90 Benzaldehyde	77	5.605	5.605	(0.928)	598366	200.000	60
91 1,1-Biphenyl	154	8.302	8.302	(0.927)	9375251	200.000	180
92 Caprolactam	113	7.618	7.618	(1.055)	1321561	200.000	190
93 Atrazine	200	10.374	10.374	(0.967)	2471882	200.000	180
M 88 MethylPhenols,Total	100				6978329	400.000	360

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- H - Operator selected an alternate compound hit.

TESTAMERICA SAVANNAH

Semivolatiles REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0305q.d
Lab Smp Id: IC-3033758;BNA100-7
Inj Date : 03-APR-2013 13:32
Operator : LEG
Smp Info : IC-3033758;BNA100-7
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 15:35 gillinsl Quant Type: ISTD
Cal Date : 03-APR-2013 20:21 Cal File: gd0319q.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.042	6.042	(1.000)	770913	40.0000	
2 1,4-Dioxane	88	2.688	2.688	(0.445)	1082580	100.000	96
3 Pyridine	79	3.094	3.094	(0.512)	2787318	100.000	98
4 N-Nitrosodimethylamine	42	3.035	3.035	(0.502)	1772836	100.000	97
\$ 5 2-Fluorophenol	112	4.669	4.669	(0.773)	2475631	100.000	99
\$ 6 Phenol-d5	99	5.673	5.673	(0.939)	2789245	100.000	99
7 Aniline	93	5.716	5.716	(0.946)	3391588	100.000	98
8 Phenol	94	5.684	5.684	(0.941)	3134813	100.000	97
9 Bis(2-chloroethyl)ether	63	5.775	5.775	(0.956)	2041380	100.000	97
10 2-Chlorophenol	128	5.834	5.834	(0.966)	2587351	100.000	97
11 1,3-Dichlorobenzene	146	5.989	5.989	(0.991)	3034052	100.000	94
12 1,4-Dichlorobenzene	146	6.058	6.058	(1.003)	2883168	100.000	96
13 Benzyl Alcohol	108	6.170	6.170	(1.021)	1684708	100.000	98
14 1,2-Dichlorobenzene	146	6.208	6.208	(1.027)	2811605	100.000	96
15 2-Methylphenol	107	6.277	6.277	(1.039)	1880518	100.000	97
16 bis (2-Chloroisopropyl) ether	45	6.304	6.304	(1.043)	4276828	100.000	97
17 N-Nitroso-di-n-propylamine	70	6.427	6.427	(1.064)	1321611	100.000	94
18 3&4-Methylphenol	107	6.421	6.421	(1.063)	2538961	100.000	95
19 Hexachloroethane	117	6.528	6.528	(1.080)	1020112	100.000	96
* 20 Naphthalene-d8	136	7.217	7.217	(1.000)	3079059	40.0000	
\$ 21 Nitrobenzene-d5	82	6.565	6.565	(0.910)	2300120	100.000	96
22 Nitrobenzene	77	6.587	6.587	(0.913)	2177860	100.000	94
23 Isophorone	82	6.800	6.800	(0.942)	4522662	100.000	95
24 2-Nitrophenol	139	6.875	6.875	(0.953)	1405407	100.000	98
25 2,4-Dimethylphenol	122	6.907	6.907	(0.957)	2142887	100.000	95
26 Bis(2-chloroethoxy)methane	93	6.987	6.987	(0.968)	2533171	100.000	94

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	7.019	7.019	(0.973)	1653132	100.000	100
28 2,4-Dichlorophenol	162	7.089	7.089	(0.982)	2188957	100.000	94
29 1,2,4-Trichlorobenzene	180	7.169	7.169	(0.993)	2440868	100.000	90
30 Naphthalene	128	7.238	7.238	(1.003)	6639951	100.000	93
31 4-Chloroaniline	127	7.276	7.276	(1.008)	2795253	100.000	94
32 Hexachlorobutadiene	225	7.351	7.351	(1.018)	1516060	100.000	90
33 4-Chloro-3-methylphenol	107	7.698	7.698	(1.067)	1927927	100.000	95
34 2-Methylnaphthalene	142	7.847	7.847	(1.087)	4874068	100.000	92
35 1-Methylnaphthalene	142	7.938	7.938	(1.100)	4562084	100.000	92
* 36 Acenaphthene-d10	164	8.953	8.953	(1.000)	1817827	40.0000	
37 Hexachlorocyclopentadiene	237	7.997	7.997	(0.893)	1868231	100.000	98
38 2,4,6-Trichlorophenol	196	8.109	8.109	(0.906)	1816859	100.000	100
39 2,4,5-Trichlorophenol	196	8.152	8.152	(0.911)	1766233	100.000	96
\$ 40 2-Fluorobiphenyl	172	8.189	8.189	(0.915)	5767410	100.000	94
41 2-Chloronaphthalene	162	8.328	8.328	(0.930)	4790275	100.000	96
42 2-Nitroaniline	65	8.424	8.424	(0.941)	1389575	100.000	100
43 Dimethylphthalate	163	8.611	8.611	(0.962)	5613370	100.000	96
44 2,6-Dinitrotoluene	165	8.686	8.686	(0.970)	1278330	100.000	100
45 Acenaphthylene	152	8.793	8.793	(0.982)	7532312	100.000	96
46 3-Nitroaniline	138	8.889	8.889	(0.993)	1420520	100.000	100
47 Acenaphthene	154	8.990	8.990	(1.004)	4536601	100.000	97
48 2,4-Dinitrophenol	184	9.001	9.001	(1.005)	717214	100.000	110
49 4-Nitrophenol	65	9.060	9.060	(1.012)	983688	100.000	100
50 Dibenzofuran	168	9.193	9.193	(1.027)	6629258	100.000	94
51 2,4-Dinitrotoluene	165	9.156	9.156	(1.023)	1746494	100.000	100
53 Diethylphthalate	149	9.434	9.434	(1.054)	5227967	100.000	96
54 Fluorene	166	9.599	9.599	(1.072)	5152721	100.000	94
55 4-Chlorophenyl-phenylether	204	9.583	9.583	(1.070)	2996510	100.000	95
56 4-Nitroaniline	138	9.615	9.615	(1.074)	1290295	100.000	98
\$ 57 2,4,6-Tribromophenol	329	9.888	9.888	(1.104)	945348	100.000	99
* 58 Phenanthrene-d10	188	10.726	10.726	(1.000)	3059248	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.647	9.647	(0.899)	1099526	100.000	110
60 N-Nitrosodiphenylamine	169	9.727	9.727	(0.907)	4256714	100.000	98
61 1,2-Diphenylhydrazine	77	9.775	9.775	(0.911)	4515772	100.000	96
62 4-Bromophenyl-phenylether	248	10.176	10.176	(0.949)	1867939	100.000	94
63 Hexachlorobenzene	284	10.272	10.272	(0.958)	1940174	100.000	94
64 Pentachlorophenol	266	10.496	10.496	(0.979)	1323766	100.000	100
65 Phenanthrene	178	10.753	10.753	(1.002)	7580762	100.000	96
66 Anthracene	178	10.817	10.817	(1.008)	7866364	100.000	95
67 Carbazole	167	10.999	10.999	(1.025)	7501370	100.000	96
68 Di-n-Butylphthalate	149	11.399	11.399	(1.063)	8918365	100.000	99
69 Fluoranthene	202	12.131	12.131	(1.131)	9386076	100.000	97
70 Benzidine	184	12.275	12.275	(0.896)	3506275	100.000	86
* 71 Chrysene-d12	240	13.696	13.696	(1.000)	3275647	40.0000	
72 Pyrene	202	12.387	12.387	(0.904)	9350096	100.000	96
\$ 73 Terphenyl-d14	244	12.553	12.553	(0.917)	7362232	100.000	95
74 Butylbenzylphthalate	149	13.076	13.076	(0.955)	3845504	100.000	97

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.648	13.648	(0.996)	3465171	100.000	96
76 Benzo(a)Anthracene	228	13.685	13.685	(0.999)	9140466	100.000	98
77 Bis(2-ethylhexyl)phthalate	149	13.674	13.674	(0.998)	4830102	100.000	96
78 Chrysene	228	13.728	13.728	(1.002)	8566293	100.000	95
* 79 Perylene-d12	264	15.512	15.512	(1.000)	3762215	40.0000	
80 Di-n-octylphthalate	149	14.395	14.395	(1.051)	9352676	100.000	100
81 Benzo(b)fluoranthene	252	14.972	14.972	(0.965)	10222695	100.000	94
82 Benzo(k)fluoranthene	252	15.010	15.010	(0.968)	9442470	100.000	89
83 Benzo(a)pyrene	252	15.432	15.432	(0.995)	9104047	100.000	95
84 Indeno(1,2,3-cd)pyrene	276	17.392	17.392	(1.270)	11247196	100.000	97
85 Dibenzo(a,h)anthracene	278	17.424	17.424	(1.123)	9845777	100.000	96
86 Benzo(g,h,i)perylene	276	17.974	17.974	(1.159)	10269840	100.000	96
87 Dinoseb	211	10.715	10.715	(0.999)	1664728	100.000	110
89 Acetophenone	105	6.421	6.421	(0.890)	2655707	100.000	89
90 Benzaldehyde	77	5.604	5.604	(0.927)	706521	100.000	59
91 1,1-Biphenyl	154	8.296	8.296	(0.927)	5742393	100.000	93
92 Caprolactam	113	7.591	7.591	(1.052)	785476	100.000	97
93 Atrazine	200	10.363	10.363	(0.966)	1516373	100.000	91
M 88 MethylPhenols,Total	100				4419479	200.000	190

Data File: gd0305q.d

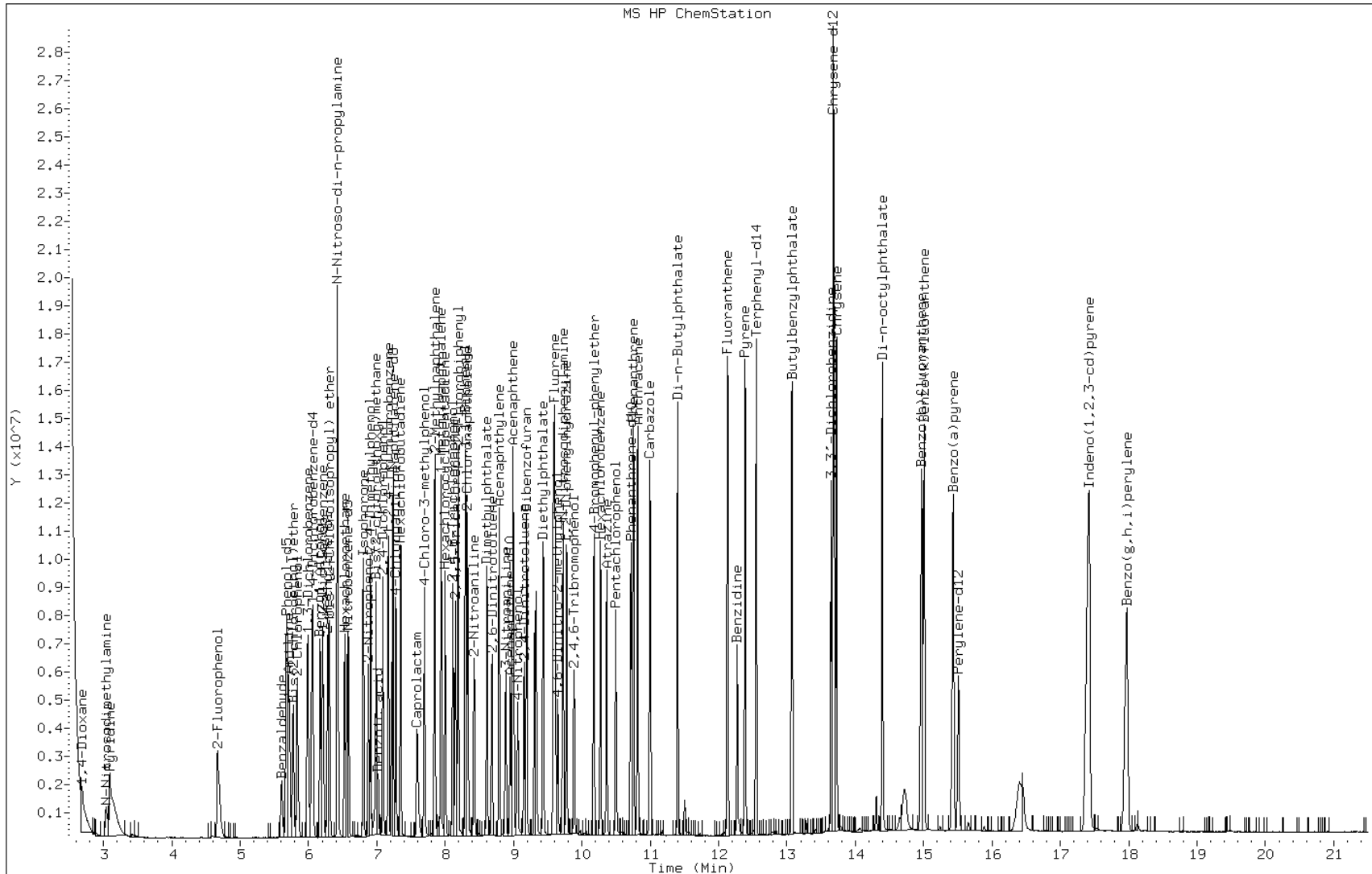
Date: 03-APR-2013 13:32

Client ID:

Instrument: MSG5973.i

Sample Info: IC-3033758;BNA100-70

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0306q.d
Lab Smp Id: IC-3033761;BNA050-7
Inj Date : 03-APR-2013 14:02
Operator : LEG
Smp Info : IC-3033761;BNA050-7
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 15:35 gillinsl Quant Type: ISTD
Cal Date : 03-APR-2013 20:51 Cal File: gd0320q.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.043	6.043	(1.000)	777111	40.0000	
2 1,4-Dioxane	88	2.688	2.688	(0.445)	603445	50.0000	53
3 Pyridine	79	3.105	3.105	(0.514)	1462164	50.0000	51
4 N-Nitrosodimethylamine	42	3.041	3.041	(0.503)	961420	50.0000	52
\$ 5 2-Fluorophenol	112	4.670	4.670	(0.773)	1277938	50.0000	51
\$ 6 Phenol-d5	99	5.669	5.669	(0.938)	1461864	50.0000	51
7 Aniline	93	5.711	5.711	(0.945)	1794351	50.0000	52
8 Phenol	94	5.685	5.685	(0.941)	1695985	50.0000	52
9 Bis(2-chloroethyl)ether	63	5.775	5.775	(0.956)	1092658	50.0000	52
10 2-Chlorophenol	128	5.834	5.834	(0.966)	1375587	50.0000	51
11 1,3-Dichlorobenzene	146	5.989	5.989	(0.991)	1669972	50.0000	51
12 1,4-Dichlorobenzene	146	6.059	6.059	(1.003)	1513139	50.0000	50
13 Benzyl Alcohol	108	6.171	6.171	(1.021)	901296	50.0000	52
14 1,2-Dichlorobenzene	146	6.208	6.208	(1.027)	1500469	50.0000	51
15 2-Methylphenol	107	6.278	6.278	(1.039)	1006911	50.0000	51
16 bis (2-Chloroisopropyl) ether	45	6.299	6.299	(1.042)	2298856	50.0000	52
17 N-Nitroso-di-n-propylamine	70	6.422	6.422	(1.063)	721932	50.0000	51
18 3&4-Methylphenol	107	6.422	6.422	(1.063)	1399243	50.0000	52
19 Hexachloroethane	117	6.529	6.529	(1.080)	551140	50.0000	51
* 20 Naphthalene-d8	136	7.218	7.218	(1.000)	3062999	40.0000	
\$ 21 Nitrobenzene-d5	82	6.566	6.566	(0.910)	1215723	50.0000	51
22 Nitrobenzene	77	6.582	6.582	(0.912)	1166554	50.0000	51
23 Isophorone	82	6.796	6.796	(0.942)	2385582	50.0000	51
24 2-Nitrophenol	139	6.876	6.876	(0.953)	723377	50.0000	51
25 2,4-Dimethylphenol	122	6.908	6.908	(0.957)	1122326	50.0000	50
26 Bis(2-chloroethoxy)methane	93	6.988	6.988	(0.968)	1351796	50.0000	50

Compounds	QUANT SIG		AMOUNTS			CAL-AMT (ug/ml)	ON-COL (ug/ml)
	MASS	RT	EXP RT	REL RT	RESPONSE		
27 Benzoic acid	105	6.988	6.988	(0.968)	840315	50.0000	53
28 2,4-Dichlorophenol	162	7.089	7.089	(0.982)	1192584	50.0000	51
29 1,2,4-Trichlorobenzene	180	7.164	7.164	(0.993)	1353892	50.0000	50
30 Naphthalene	128	7.239	7.239	(1.003)	3609532	50.0000	51
31 4-Chloroaniline	127	7.276	7.276	(1.008)	1498588	50.0000	51
32 Hexachlorobutadiene	225	7.346	7.346	(1.018)	842384	50.0000	50
33 4-Chloro-3-methylphenol	107	7.693	7.693	(1.066)	1045344	50.0000	52
34 2-Methylnaphthalene	142	7.842	7.842	(1.087)	2681034	50.0000	51
35 1-Methylnaphthalene	142	7.939	7.939	(1.100)	2474664	50.0000	50
* 36 Acenaphthene-d10	164	8.953	8.953	(1.000)	1819956	40.0000	
37 Hexachlorocyclopentadiene	237	7.997	7.997	(0.893)	1001240	50.0000	52
38 2,4,6-Trichlorophenol	196	8.110	8.110	(0.906)	902528	50.0000	50
39 2,4,5-Trichlorophenol	196	8.147	8.147	(0.910)	929929	50.0000	50
\$ 40 2-Fluorobiphenyl	172	8.190	8.190	(0.915)	3147396	50.0000	51
41 2-Chloronaphthalene	162	8.323	8.323	(0.930)	2545632	50.0000	51
42 2-Nitroaniline	65	8.419	8.419	(0.940)	730057	50.0000	53
43 Dimethylphthalate	163	8.606	8.606	(0.961)	3058200	50.0000	52
44 2,6-Dinitrotoluene	165	8.681	8.681	(0.970)	668142	50.0000	53
45 Acenaphthylene	152	8.788	8.788	(0.981)	4088997	50.0000	52
46 3-Nitroaniline	138	8.884	8.884	(0.992)	751891	50.0000	54
47 Acenaphthene	154	8.991	8.991	(1.004)	2481018	50.0000	53
48 2,4-Dinitrophenol	184	9.001	9.001	(1.005)	369433	50.0000	55
49 4-Nitrophenol	65	9.055	9.055	(1.011)	521855	50.0000	55
50 Dibenzofuran	168	9.188	9.188	(1.026)	3650046	50.0000	52
51 2,4-Dinitrotoluene	165	9.151	9.151	(1.022)	905100	50.0000	54
53 Diethylphthalate	149	9.429	9.429	(1.053)	2840840	50.0000	52
54 Fluorene	166	9.594	9.594	(1.072)	2831419	50.0000	52
55 4-Chlorophenyl-phenylether	204	9.584	9.584	(1.070)	1666375	50.0000	53
56 4-Nitroaniline	138	9.605	9.605	(1.073)	686478	50.0000	52
\$ 57 2,4,6-Tribromophenol	329	9.883	9.883	(1.104)	505803	50.0000	53
* 58 Phenanthrene-d10	188	10.721	10.721	(1.000)	3169766	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.642	9.642	(0.899)	552547	50.0000	52
60 N-Nitrosodiphenylamine	169	9.723	9.723	(0.907)	2266600	50.0000	50
61 1,2-Diphenylhydrazine	77	9.776	9.776	(0.912)	2472485	50.0000	51
62 4-Bromophenyl-phenylether	248	10.171	10.171	(0.949)	1045563	50.0000	51
63 Hexachlorobenzene	284	10.273	10.273	(0.958)	1064362	50.0000	50
64 Pentachlorophenol	266	10.497	10.497	(0.979)	689052	50.0000	51
65 Phenanthrene	178	10.753	10.753	(1.003)	4257343	50.0000	52
66 Anthracene	178	10.812	10.812	(1.008)	4463513	50.0000	52
67 Carbazole	167	10.994	10.994	(1.025)	4203846	50.0000	52
68 Di-n-Butylphthalate	149	11.400	11.400	(1.063)	5001535	50.0000	53
69 Fluoranthene	202	12.131	12.131	(1.132)	5309898	50.0000	53
70 Benzidine	184	12.270	12.270	(0.896)	2255591	50.0000	53
* 71 Chrysene-d12	240	13.691	13.691	(1.000)	3414342	40.0000	
72 Pyrene	202	12.382	12.382	(0.904)	5376193	50.0000	53
\$ 73 Terphenyl-d14	244	12.548	12.548	(0.917)	4245548	50.0000	52
74 Butylbenzylphthalate	149	13.071	13.071	(0.955)	2163890	50.0000	52

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.643	13.643	(0.996)	2003230	50.0000	53
76 Benzo(a)Anthracene	228	13.680	13.680	(0.999)	5038753	50.0000	52
77 Bis(2-ethylhexyl)phthalate	149	13.675	13.675	(0.999)	2756453	50.0000	53
78 Chrysene	228	13.723	13.723	(1.002)	4862245	50.0000	52
* 79 Perylene-d12	264	15.507	15.507	(1.000)	3884795	40.0000	
80 Di-n-octylphthalate	149	14.391	14.391	(1.051)	5314240	50.0000	55
81 Benzo(b)fluoranthene	252	14.962	14.962	(0.965)	5477947	50.0000	49
82 Benzo(k)fluoranthene	252	14.999	14.999	(0.967)	5353605	50.0000	49
83 Benzo(a)pyrene	252	15.427	15.427	(0.995)	5101954	50.0000	52
84 Indeno(1,2,3-cd)pyrene	276	17.382	17.382	(1.270)	6359607	50.0000	53
85 Dibenzo(a,h)anthracene	278	17.408	17.408	(1.123)	5533545	50.0000	52
86 Benzo(g,h,i)perylene	276	17.958	17.958	(1.158)	5747308	50.0000	52
87 Dinoseb	211	10.711	10.711	(0.999)	845896	50.0000	53
89 Acetophenone	105	6.422	6.422	(0.890)	1515361	50.0000	51
90 Benzaldehyde	77	5.605	5.605	(0.928)	509621	50.0000	42
91 1,1-Biphenyl	154	8.291	8.291	(0.926)	3282481	50.0000	53
92 Caprolactam	113	7.575	7.575	(1.050)	414312	50.0000	51
93 Atrazine	200	10.358	10.358	(0.966)	886022	50.0000	51
M 88 MethylPhenols,Total	100				2406154	100.000	100

Data File: gd0306q.d

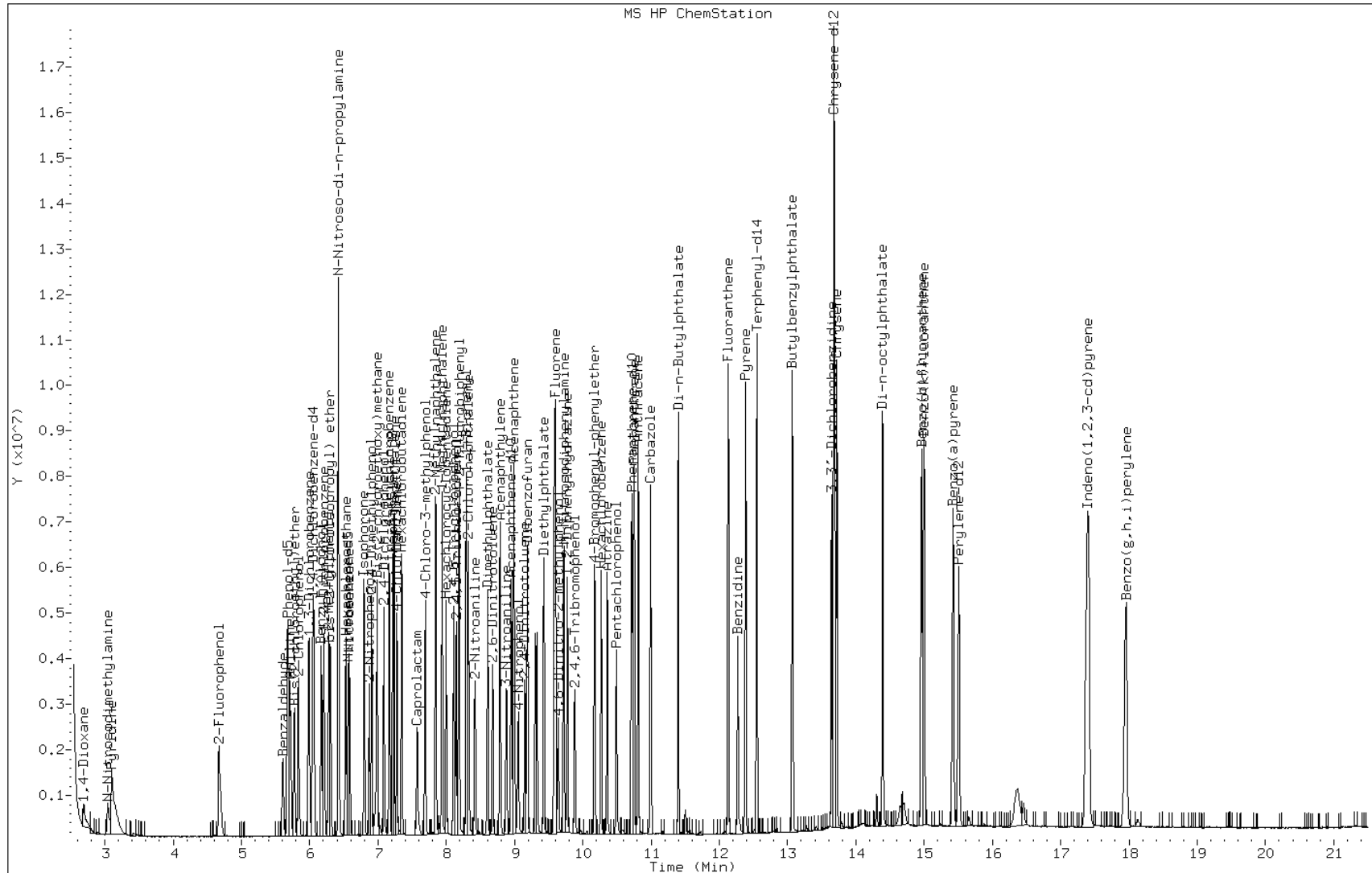
Date: 03-APR-2013 14:02

Client ID:

Instrument: MSG5973.i

Sample Info: IC-3033761;BNA050-70

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0307q.d
Lab Smp Id: IC-3033787;BNA020-6
Inj Date : 03-APR-2013 14:31
Operator : LEG
Smp Info : IC-3033787;BNA020-6
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 15:35 gillinsl Quant Type: ISTD
Cal Date : 03-APR-2013 21:20 Cal File: gd0321q.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.042	6.042	(1.000)	820344	40.0000	
2 1,4-Dioxane	88	2.693	2.693	(0.446)	235756	20.0000	20
3 Pyridine	79	3.110	3.110	(0.515)	625383	20.0000	21
4 N-Nitrosodimethylamine	42	3.046	3.046	(0.504)	399314	20.0000	21
\$ 5 2-Fluorophenol	112	4.669	4.669	(0.773)	547972	20.0000	21
\$ 6 Phenol-d5	99	5.668	5.668	(0.938)	617016	20.0000	21
7 Aniline	93	5.711	5.711	(0.945)	776631	20.0000	21
8 Phenol	94	5.684	5.684	(0.941)	717560	20.0000	21
9 Bis(2-chloroethyl)ether	63	5.775	5.775	(0.956)	471658	20.0000	21
10 2-Chlorophenol	128	5.834	5.834	(0.966)	587223	20.0000	21
11 1,3-Dichlorobenzene	146	5.989	5.989	(0.991)	733097	20.0000	21
12 1,4-Dichlorobenzene	146	6.058	6.058	(1.003)	676025	20.0000	21
13 Benzyl Alcohol	108	6.170	6.170	(1.021)	369066	20.0000	20
14 1,2-Dichlorobenzene	146	6.208	6.208	(1.027)	663372	20.0000	21
15 2-Methylphenol	107	6.277	6.277	(1.039)	438643	20.0000	21
16 bis (2-Chloroisopropyl) ether	45	6.298	6.298	(1.042)	1004473	20.0000	21
17 N-Nitroso-di-n-propylamine	70	6.421	6.421	(1.063)	327081	20.0000	22
18 3&4-Methylphenol	107	6.416	6.416	(1.062)	607679	20.0000	21
19 Hexachloroethane	117	6.528	6.528	(1.080)	244822	20.0000	22
* 20 Naphthalene-d8	136	7.217	7.217	(1.000)	3217028	40.0000	
\$ 21 Nitrobenzene-d5	82	6.565	6.565	(0.910)	523017	20.0000	21
22 Nitrobenzene	77	6.582	6.582	(0.912)	495626	20.0000	21
23 Isophorone	82	6.795	6.795	(0.942)	994740	20.0000	20
24 2-Nitrophenol	139	6.875	6.875	(0.953)	293218	20.0000	20
25 2,4-Dimethylphenol	122	6.907	6.907	(0.957)	490036	20.0000	21
26 Bis(2-chloroethoxy)methane	93	6.987	6.987	(0.968)	567457	20.0000	20

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	6.966	6.966	(0.965)	322568	20.0000	19
28 2,4-Dichlorophenol	162	7.089	7.089	(0.982)	498549	20.0000	20
29 1,2,4-Trichlorobenzene	180	7.164	7.164	(0.993)	588703	20.0000	21
30 Naphthalene	128	7.238	7.238	(1.003)	1588581	20.0000	21
31 4-Chloroaniline	127	7.276	7.276	(1.008)	634784	20.0000	21
32 Hexachlorobutadiene	225	7.345	7.345	(1.018)	361989	20.0000	21
33 4-Chloro-3-methylphenol	107	7.687	7.687	(1.065)	430379	20.0000	20
34 2-Methylnaphthalene	142	7.842	7.842	(1.087)	1145572	20.0000	21
35 1-Methylnaphthalene	142	7.938	7.938	(1.100)	1088141	20.0000	21
* 36 Acenaphthene-d10	164	8.948	8.948	(1.000)	1877046	40.0000	
37 Hexachlorocyclopentadiene	237	7.997	7.997	(0.894)	412584	20.0000	21
38 2,4,6-Trichlorophenol	196	8.109	8.109	(0.906)	375353	20.0000	20
39 2,4,5-Trichlorophenol	196	8.141	8.141	(0.910)	419523	20.0000	22
\$ 40 2-Fluorobiphenyl	172	8.189	8.189	(0.915)	1363512	20.0000	22
41 2-Chloronaphthalene	162	8.323	8.323	(0.930)	1093418	20.0000	21
42 2-Nitroaniline	65	8.419	8.419	(0.941)	288490	20.0000	20
43 Dimethylphthalate	163	8.606	8.606	(0.962)	1263635	20.0000	21
44 2,6-Dinitrotoluene	165	8.681	8.681	(0.970)	266240	20.0000	20
45 Acenaphthylene	152	8.787	8.787	(0.982)	1733745	20.0000	21
46 3-Nitroaniline	138	8.878	8.878	(0.992)	292625	20.0000	20
47 Acenaphthene	154	8.985	8.985	(1.004)	992393	20.0000	21
48 2,4-Dinitrophenol	184	8.996	8.996	(1.005)	123246	20.0000	18
49 4-Nitrophenol	65	9.049	9.049	(1.011)	198859	20.0000	20
50 Dibenzofuran	168	9.188	9.188	(1.027)	1576153	20.0000	22
51 2,4-Dinitrotoluene	165	9.145	9.145	(1.022)	342473	20.0000	20
53 Diethylphthalate	149	9.428	9.428	(1.054)	1193430	20.0000	21
54 Fluorene	166	9.594	9.594	(1.072)	1220969	20.0000	22
55 4-Chlorophenyl-phenylether	204	9.578	9.578	(1.070)	699604	20.0000	21
56 4-Nitroaniline	138	9.599	9.599	(1.073)	278861	20.0000	20
\$ 57 2,4,6-Tribromophenol	329	9.882	9.882	(1.104)	198444	20.0000	20
* 58 Phenanthrene-d10	188	10.721	10.721	(1.000)	3296774	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.637	9.637	(0.899)	197573	20.0000	18
60 N-Nitrosodiphenylamine	169	9.717	9.717	(0.906)	943806	20.0000	20
61 1,2-Diphenylhydrazine	77	9.770	9.770	(0.911)	1034973	20.0000	20
62 4-Bromophenyl-phenylether	248	10.171	10.171	(0.949)	436628	20.0000	20
63 Hexachlorobenzene	284	10.267	10.267	(0.958)	454300	20.0000	20
64 Pentachlorophenol	266	10.497	10.497	(0.979)	264585	20.0000	19
65 Phenanthrene	178	10.748	10.748	(1.002)	1720473	20.0000	20
66 Anthracene	178	10.806	10.806	(1.008)	1853347	20.0000	21
67 Carbazole	167	10.993	10.993	(1.025)	1710956	20.0000	20
68 Di-n-Butylphthalate	149	11.399	11.399	(1.063)	2020752	20.0000	21
69 Fluoranthene	202	12.126	12.126	(1.131)	2144183	20.0000	20
70 Benzidine	184	12.270	12.270	(0.896)	864994	20.0000	21
* 71 Chrysene-d12	240	13.690	13.690	(1.000)	3377595	40.0000	
72 Pyrene	202	12.382	12.382	(0.904)	2172328	20.0000	22
\$ 73 Terphenyl-d14	244	12.547	12.547	(0.917)	1706169	20.0000	21
74 Butylbenzylphthalate	149	13.071	13.071	(0.955)	843262	20.0000	21

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.642	13.642	(0.996)	764500	20.0000	20
76 Benzo(a)Anthracene	228	13.674	13.674	(0.999)	2002709	20.0000	21
77 Bis(2-ethylhexyl)phthalate	149	13.674	13.674	(0.999)	1079986	20.0000	21
78 Chrysene	228	13.717	13.717	(1.002)	1963630	20.0000	21
* 79 Perylene-d12	264	15.506	15.506	(1.000)	3636745	40.0000	
80 Di-n-octylphthalate	149	14.390	14.390	(1.051)	1943147	20.0000	20
81 Benzo(b)fluoranthene	252	14.956	14.956	(0.965)	2103950	20.0000	20
82 Benzo(k)fluoranthene	252	14.994	14.994	(0.967)	2310810	20.0000	22
83 Benzo(a)pyrene	252	15.416	15.416	(0.994)	1930169	20.0000	21
84 Indeno(1,2,3-cd)pyrene	276	17.370	17.370	(1.269)	2394854	20.0000	20
85 Dibenzo(a,h)anthracene	278	17.397	17.397	(1.122)	2053679	20.0000	21
86 Benzo(g,h,i)perylene	276	17.937	17.937	(1.157)	2136909	20.0000	21
87 Dinoseb	211	10.710	10.710	(0.999)	286179	20.0000	17
89 Acetophenone	105	6.421	6.421	(0.890)	653612	20.0000	21
90 Benzaldehyde	77	5.604	5.604	(0.927)	334787	20.0000	26
91 1,1-Biphenyl	154	8.291	8.291	(0.927)	1372705	20.0000	22
92 Caprolactam	113	7.559	7.559	(1.047)	164485	20.0000	19(H)
93 Atrazine	200	10.352	10.352	(0.966)	373858	20.0000	21
M 88 MethylPhenols,Total	100				1046322	40.0000	43

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: gd0307q.d

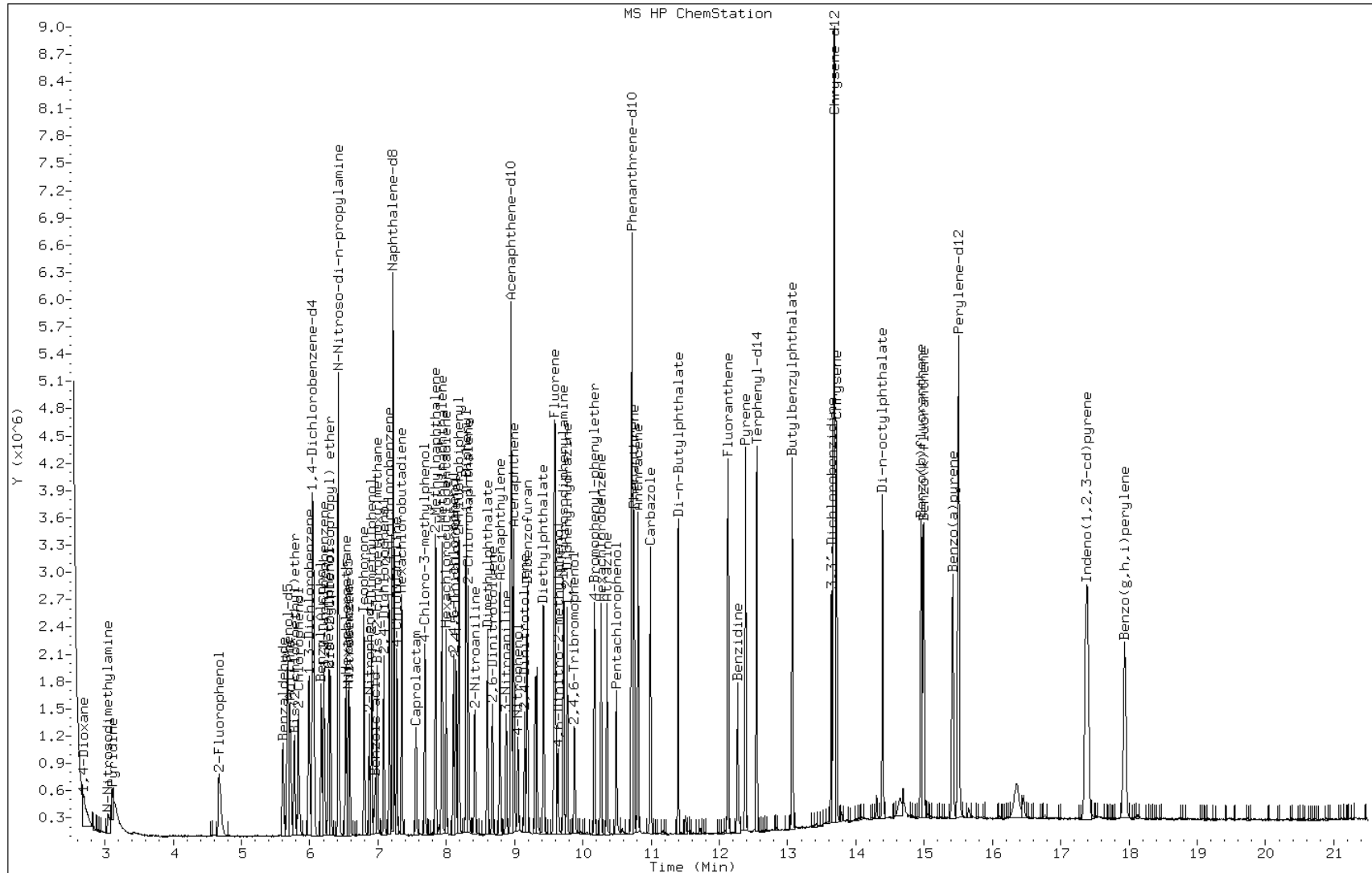
Date: 03-APR-2013 14:31

Client ID:

Instrument: MSG5973.i

Sample Info: IC-3033787;BNA020-66

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0308q.d
Lab Smp Id: IC-3046468;BNA010-8
Inj Date : 03-APR-2013 15:00
Operator : LEG
Smp Info : IC-3046468;BNA010-8
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 15:35 gillinsl Quant Type: ISTD
Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.043	6.043	(1.000)	807551	40.0000	
2 1,4-Dioxane	88	2.694	2.694	(0.446)	121570	10.0000	10
3 Pyridine	79	3.116	3.116	(0.516)	298411	10.0000	10
4 N-Nitrosodimethylamine	42	3.046	3.046	(0.504)	191802	10.0000	10
\$ 5 2-Fluorophenol	112	4.670	4.670	(0.773)	262346	10.0000	10
\$ 6 Phenol-d5	99	5.669	5.669	(0.938)	300850	10.0000	10
7 Aniline	93	5.712	5.712	(0.945)	367254	10.0000	10
8 Phenol	94	5.680	5.680	(0.940)	355823	10.0000	11
9 Bis(2-chloroethyl)ether	63	5.776	5.776	(0.956)	231304	10.0000	11
10 2-Chlorophenol	128	5.834	5.834	(0.966)	295540	10.0000	11
11 1,3-Dichlorobenzene	146	5.989	5.989	(0.991)	364959	10.0000	11
12 1,4-Dichlorobenzene	146	6.059	6.059	(1.003)	338881	10.0000	11
13 Benzyl Alcohol	108	6.166	6.166	(1.020)	177992	10.0000	9.9
14 1,2-Dichlorobenzene	146	6.208	6.208	(1.027)	331932	10.0000	11
15 2-Methylphenol	107	6.278	6.278	(1.039)	213396	10.0000	10
16 bis (2-Chloroisopropyl) ether	45	6.299	6.299	(1.042)	500195	10.0000	11
17 N-Nitroso-di-n-propylamine	70	6.422	6.422	(1.063)	166338	10.0000	11
18 3&4-Methylphenol	107	6.417	6.417	(1.062)	300973	10.0000	11
19 Hexachloroethane	117	6.529	6.529	(1.080)	118916	10.0000	11
* 20 Naphthalene-d8	136	7.218	7.218	(1.000)	2942562	40.0000	
\$ 21 Nitrobenzene-d5	82	6.566	6.566	(0.910)	250467	10.0000	11
22 Nitrobenzene	77	6.582	6.582	(0.912)	247406	10.0000	11
23 Isophorone	82	6.796	6.796	(0.942)	496911	10.0000	11
24 2-Nitrophenol	139	6.876	6.876	(0.953)	143274	10.0000	10
25 2,4-Dimethylphenol	122	6.903	6.903	(0.956)	248517	10.0000	11
26 Bis(2-chloroethoxy)methane	93	6.988	6.988	(0.968)	292752	10.0000	11

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	6.951	6.951	(0.963)	135787	10.0000	8.9
28 2,4-Dichlorophenol	162	7.090	7.090	(0.982)	242743	10.0000	11
29 1,2,4-Trichlorobenzene	180	7.164	7.164	(0.993)	307521	10.0000	12
30 Naphthalene	128	7.234	7.234	(1.002)	791393	10.0000	12
31 4-Chloroaniline	127	7.277	7.277	(1.008)	302880	10.0000	11
32 Hexachlorobutadiene	225	7.346	7.346	(1.018)	184950	10.0000	12
33 4-Chloro-3-methylphenol	107	7.688	7.688	(1.065)	211354	10.0000	11
34 2-Methylnaphthalene	142	7.843	7.843	(1.087)	563518	10.0000	11
35 1-Methylnaphthalene	142	7.939	7.939	(1.100)	539471	10.0000	11
* 36 Acenaphthene-d10	164	8.948	8.948	(1.000)	1835037	40.0000	
37 Hexachlorocyclopentadiene	237	7.998	7.998	(0.894)	203196	10.0000	11
38 2,4,6-Trichlorophenol	196	8.104	8.104	(0.906)	179693	10.0000	9.9
39 2,4,5-Trichlorophenol	196	8.142	8.142	(0.910)	201261	10.0000	11
\$ 40 2-Fluorobiphenyl	172	8.184	8.184	(0.915)	688823	10.0000	11
41 2-Chloronaphthalene	162	8.323	8.323	(0.930)	546515	10.0000	11
42 2-Nitroaniline	65	8.414	8.414	(0.940)	135113	10.0000	9.8
43 Dimethylphthalate	163	8.601	8.601	(0.961)	633346	10.0000	11
44 2,6-Dinitrotoluene	165	8.676	8.676	(0.970)	123896	10.0000	9.7
45 Acenaphthylene	152	8.788	8.788	(0.982)	851616	10.0000	11
46 3-Nitroaniline	138	8.879	8.879	(0.992)	130060	10.0000	9.2
47 Acenaphthene	154	8.986	8.986	(1.004)	490097	10.0000	10
48 2,4-Dinitrophenol	184	8.996	8.996	(1.005)	53047	10.0000	7.8
49 4-Nitrophenol	65	9.044	9.044	(1.011)	88169	10.0000	9.1
50 Dibenzofuran	168	9.189	9.189	(1.027)	784851	10.0000	11
51 2,4-Dinitrotoluene	165	9.146	9.146	(1.022)	157169	10.0000	9.2
53 Diethylphthalate	149	9.424	9.424	(1.053)	589621	10.0000	11
54 Fluorene	166	9.595	9.595	(1.072)	616390	10.0000	11
55 4-Chlorophenyl-phenylether	204	9.578	9.578	(1.070)	346874	10.0000	11
56 4-Nitroaniline	138	9.595	9.595	(1.072)	138613	10.0000	10
\$ 57 2,4,6-Tribromophenol	329	9.878	9.878	(1.104)	95954	10.0000	9.9
* 58 Phenanthrene-d10	188	10.721	10.721	(1.000)	3112289	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.632	9.632	(0.898)	87157	10.0000	8.3
60 N-Nitrosodiphenylamine	169	9.717	9.717	(0.906)	460700	10.0000	10
61 1,2-Diphenylhydrazine	77	9.771	9.771	(0.911)	518444	10.0000	11
62 4-Bromophenyl-phenylether	248	10.171	10.171	(0.949)	218490	10.0000	11
63 Hexachlorobenzene	284	10.267	10.267	(0.958)	231358	10.0000	11
64 Pentachlorophenol	266	10.492	10.492	(0.979)	117968	10.0000	9.0
65 Phenanthrene	178	10.748	10.748	(1.002)	851594	10.0000	11
66 Anthracene	178	10.807	10.807	(1.008)	917012	10.0000	11
67 Carbazole	167	10.994	10.994	(1.025)	833842	10.0000	10
68 Di-n-Butylphthalate	149	11.394	11.394	(1.063)	988464	10.0000	11
69 Fluoranthene	202	12.126	12.126	(1.131)	1074278	10.0000	11
70 Benzidine	184	12.270	12.270	(0.897)	498425	10.0000	12
* 71 Chrysene-d12	240	13.686	13.686	(1.000)	3202751	40.0000	
72 Pyrene	202	12.383	12.383	(0.905)	1089951	10.0000	11
\$ 73 Terphenyl-d14	244	12.548	12.548	(0.917)	843995	10.0000	11
74 Butylbenzylphthalate	149	13.072	13.072	(0.955)	413472	10.0000	11

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.638	13.638	(0.996)	362600	10.0000	10
76 Benzo(a)Anthracene	228	13.675	13.675	(0.999)	976859	10.0000	11
77 Bis(2-ethylhexyl)phthalate	149	13.670	13.670	(0.999)	532880	10.0000	11
78 Chrysene	228	13.718	13.718	(1.002)	1005787	10.0000	11
* 79 Perylene-d12	264	15.502	15.502	(1.000)	3425189	40.0000	
80 Di-n-octylphthalate	149	14.391	14.391	(1.052)	911654	10.0000	10
81 Benzo(b)fluoranthene	252	14.957	14.957	(0.965)	1058822	10.0000	11
82 Benzo(k)fluoranthene	252	14.989	14.989	(0.967)	1167493	10.0000	12
83 Benzo(a)pyrene	252	15.416	15.416	(0.994)	944663	10.0000	11
84 Indeno(1,2,3-cd)pyrene	276	17.366	17.366	(1.269)	1143054	10.0000	10
85 Dibenzo(a,h)anthracene	278	17.392	17.392	(1.122)	998871	10.0000	11
86 Benzo(g,h,i)perylene	276	17.932	17.932	(1.157)	1003318	10.0000	10
87 Dinoseb	211	10.705	10.705	(0.999)	123906	10.0000	7.9
89 Acetophenone	105	6.422	6.422	(0.890)	314181	10.0000	11
90 Benzaldehyde	77	5.605	5.605	(0.928)	207819	10.0000	17
91 1,1-Biphenyl	154	8.291	8.291	(0.927)	644172	10.0000	10
92 Caprolactam	113	7.549	7.549	(1.046)	76254	10.0000	9.8
93 Atrazine	200	10.353	10.353	(0.966)	179793	10.0000	11
M 88 MethylPhenols,Total	100				514369	20.0000	21

Data File: gd0308q.d

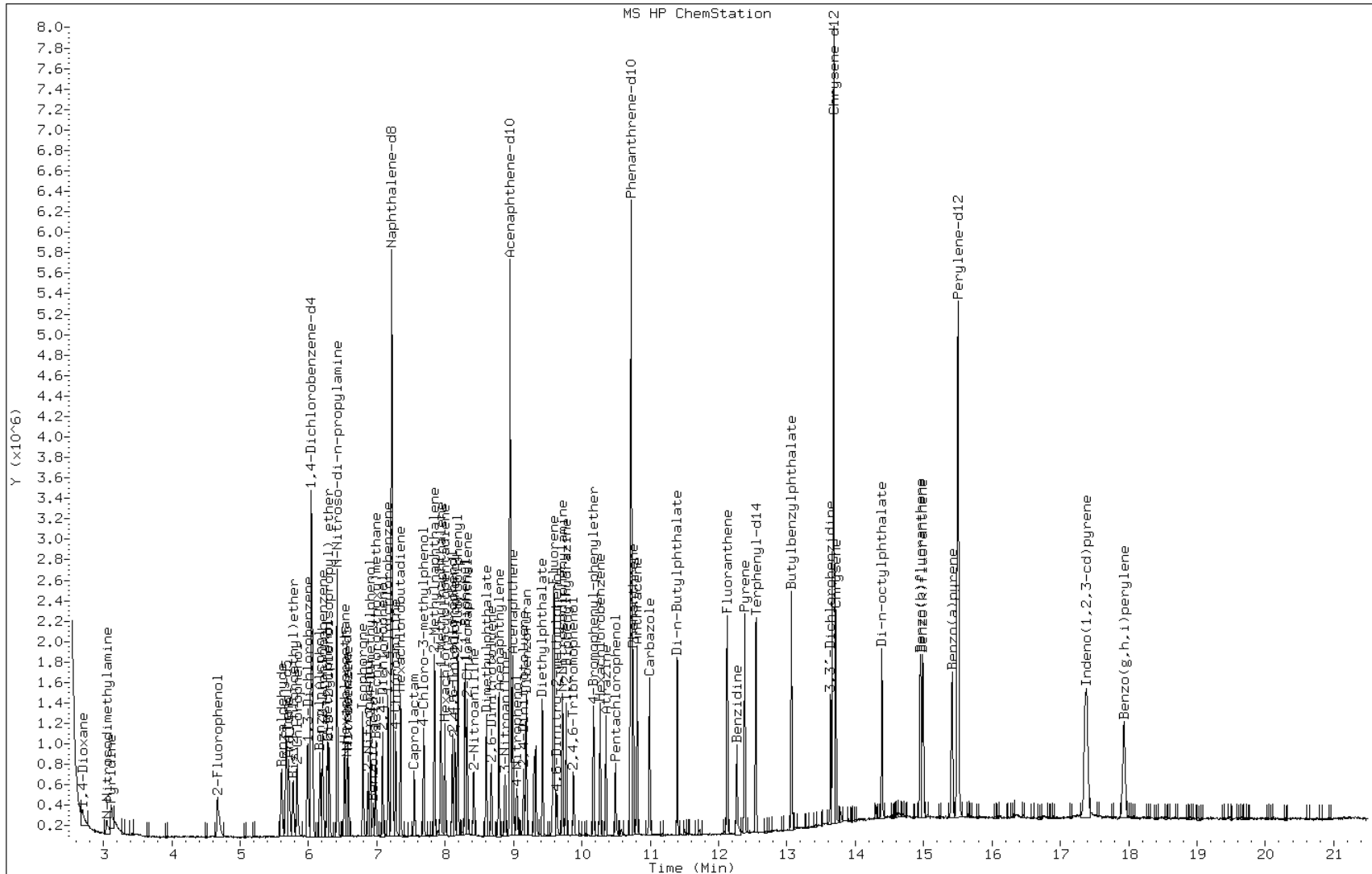
Date: 03-APR-2013 15:00

Client ID:

Instrument: MSG5973.i

Sample Info: IC-3046468;BNA010-82

Operator: LEG



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab Sample ID: ICV 680-272296/8 Calibration Date: 04/03/2013 15:29
 Instrument ID: MSG Calib Start Date: 04/03/2013 12:33
 GC Column: RXi- 5Sil MS ID: 0.25 (mm) Calib End Date: 04/03/2013 15:00
 Lab File ID: gd0309q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5827	0.5632		330	80.0	-3.3	30.0
N-Nitrosodimethylamine	Ave	0.9443	0.8856		330	80.0	-6.2	30.0
Pyridine	Ave	1.477	1.361		73.6	80.0	-7.9	30.0
Benzaldehyde	Ave	0.6174	0.2826	0.0100	330	80.0	-54.2*	30.0
Phenol	Ave	1.677	1.552	0.8000	74.0	80.0	-7.4	30.0
Aniline	Ave	1.790	1.721		76.9	80.0	-3.9	30.0
Bis(2-chloroethyl)ether	Ave	1.090	0.9278	0.7000	68.1	80.0	-14.9	30.0
2-Chlorophenol	Ave	1.388	1.313	0.8000	75.7	80.0	-5.4	30.0
1,3-Dichlorobenzene	Ave	1.675	1.532		73.2	80.0	-8.5	30.0
1,4-Dichlorobenzene	Ave	1.560	1.425		73.1	80.0	-8.7	30.0
Benzyl alcohol	Ave	0.8878	0.8436		76.0	80.0	-5.0	30.0
1,2-Dichlorobenzene	Ave	1.525	1.393		73.0	80.0	-8.7	30.0
2-Methylphenol	Ave	1.009	0.9563	0.7000	75.8	80.0	-5.2	30.0
bis (2-chloroisopropyl) ether	Ave	2.291	2.142	0.0100	74.8	80.0	-6.5	30.0
Acetophenone	Ave	0.3860	0.3725	0.0100	77.2	80.0	-3.5	30.0
3 & 4 Methylphenol	Ave	1.385	1.199		69.2	80.0	-13.4	30.0
N-Nitrosodi-n-propylamine	Ave	0.7332	0.6846	0.5000	74.7	80.0	-6.6	30.0
Hexachloroethane	Ave	0.5531	0.5084	0.3000	73.5	80.0	-8.1	30.0
Nitrobenzene	Ave	0.2997	0.2805	0.2000	74.9	80.0	-6.4	30.0
Isophorone	Ave	0.6160	0.5709	0.4000	74.1	80.0	-7.3	30.0
2-Nitrophenol	Ave	0.1857	0.1853	0.1000	79.8	80.0	-0.2	30.0
2,4-Dimethylphenol	Ave	0.2945	0.2919	0.2000	79.3	80.0	-0.9	30.0
Bis(2-chloroethoxy)methane	Ave	0.3497	0.3288	0.3000	75.2	80.0	-6.0	30.0
Benzoic acid	Ave	0.2086	0.2208		1700	80.0	5.9	30.0
2,4-Dichlorophenol	Ave	0.3036	0.2975	0.2000	78.4	80.0	-2.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3514	0.3316		75.5	80.0	-5.6	30.0
Naphthalene	Ave	0.9305	0.8765	0.7000	75.4	80.0	-5.8	30.0
4-Chloroaniline	Ave	0.3848	0.3809	0.0100	79.2	80.0	-1.0	30.0
Hexachlorobutadiene	Ave	0.2179	0.2042	0.0100	75.0	80.0	-6.3	30.0
Caprolactam	Ave	0.1056	0.1110	0.0100	84.1	80.0	5.1	30.0
4-Chloro-3-methylphenol	Ave	0.2650	0.2652	0.2000	79.7	80.0	0.0	30.0
2-Methylnaphthalene	Ave	0.6866	0.6749	0.4000	78.6	80.0	-1.7	30.0
1-Methylnaphthalene	Ave	0.6434	0.6126		76.2	80.0	-4.8	30.0
Hexachlorocyclopentadiene	Ave	0.4213	0.3721	0.0500	70.6	80.0	-11.7	30.0
2,4,6-Trichlorophenol	Ave	0.3975	0.3802	0.2000	75.3	80.0	-4.3	30.0
2,4,5-Trichlorophenol	Ave	0.4068	0.3668	0.2000	72.1	80.0	-9.8	30.0
1,1'-Biphenyl	Ave	1.356	1.192	0.0100	330	80.0	-12.2	30.0
2-Chloronaphthalene	Ave	1.097	0.9637	0.8000	70.3	80.0	-12.1	30.0
2-Nitroaniline	Ave	0.3010	0.3128	0.0100	83.2	80.0	3.9	30.0
Dimethyl phthalate	Ave	1.291	1.153	0.0100	71.5	80.0	-10.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab Sample ID: ICV 680-272296/8 Calibration Date: 04/03/2013 15:29
 Instrument ID: MSG Calib Start Date: 04/03/2013 12:33
 GC Column: RXi- 5Sil MS ID: 0.25 (mm) Calib End Date: 04/03/2013 15:00
 Lab File ID: gd0309q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2792	0.2703	0.2000	77.5	80.0	-3.2	30.0
Acenaphthylene	Ave	1.719	1.534	0.9000	71.4	80.0	-10.7	30.0
3-Nitroaniline	Ave	0.3080	0.3124	0.0100	81.1	80.0	1.4	30.0
Acenaphthene	Ave	1.031	0.9794	0.9000	76.0	80.0	-5.0	30.0
2,4-Dinitrophenol	Ave	0.1477	0.1670	0.0100	1700	80.0	13.0	30.0
4-Nitrophenol	Ave	0.2104	0.2098	0.0100	1700	80.0	-0.3	30.0
2,4-Dinitrotoluene	Ave	0.3716	0.3265	0.2000	70.3	80.0	-12.1	30.0
Dibenzofuran	Ave	1.550	1.381	0.8000	71.3	80.0	-10.9	30.0
Diethyl phthalate	Ave	1.198	1.107	0.0100	74.0	80.0	-7.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6964	0.6333	0.4000	72.8	80.0	-9.1	30.0
Fluorene	Ave	1.204	1.118	0.9000	74.3	80.0	-7.2	30.0
4-Nitroaniline	Ave	0.2907	0.2723	0.0100	74.9	80.0	-6.3	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1348	0.1384	0.0100	1700	80.0	2.7	30.0
N-Nitrosodiphenylamine	Ave	0.5681	0.6306	0.0100	88.8	80.0	11.0	30.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.6160	0.5604		72.8	80.0	-9.0	30.0
4-Bromophenyl phenyl ether	Ave	0.2602	0.2298	0.1000	70.6	80.0	-11.7	30.0
Hexachlorobenzene	Ave	0.2693	0.2474	0.1000	73.5	80.0	-8.2	30.0
Atrazine	Ave	0.2188	0.2102	0.0100	76.9	80.0	-3.9	30.0
Pentachlorophenol	Ave	0.1689	0.1750	0.0500	1700	80.0	3.6	30.0
Dinoseb	Ave	0.2013	0.2146		330	80.0	6.6	30.0
Phenanthrene	Ave	1.033	0.9674	0.7000	74.9	80.0	-6.4	30.0
Anthracene	Ave	1.086	1.026	0.7000	75.4	80.0	-5.5	30.0
Carbazole	Ave	1.021	0.9718	0.0100	76.2	80.0	-4.8	30.0
Di-n-butyl phthalate	Ave	1.183	1.151	0.0100	77.8	80.0	-2.7	30.0
Fluoranthene	Ave	1.271	1.233	0.6000	77.6	80.0	-3.0	30.0
Benzidine	Ave	0.4995	0.5752		2700	80.0	15.2	30.0
Pyrene	Ave	1.194	1.105	0.6000	74.1	80.0	-7.4	30.0
Butyl benzyl phthalate	Ave	0.4859	0.4380	0.0100	72.1	80.0	-9.9	30.0
3,3'-Dichlorobenzidine	Ave	0.4430	0.4548	0.0100	82.1	80.0	2.7	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6141	0.5752	0.0100	74.9	80.0	-6.3	30.0
Benzo[a]anthracene	Ave	1.139	0.9933	0.8000	70.3	80.0	-12.8	30.0
Chrysene	Ave	1.101	1.039	0.7000	75.8	80.0	-5.7	30.0
Di-n-octyl phthalate	Ave	1.132	1.127	0.0100	79.6	80.0	-0.5	30.0
Benzo[b]fluoranthene	Ave	1.151	1.123	0.7000	78.1	80.0	-2.4	30.0
Benzo[k]fluoranthene	Ave	1.133	1.062	0.7000	76.2	80.0	-6.3	30.0
Benzo[a]pyrene	Ave	1.016	1.017	0.7000	80.1	80.0	0.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.415	1.415	0.5000	80.0	80.0	0.0	30.0
Dibenz(a,h)anthracene	Ave	1.092	1.004	0.4000	73.5	80.0	-8.1	30.0
Benzo[g,h,i]perylene	Ave	1.139	1.051	0.5000	73.8	80.0	-7.8	30.0
Methyl Phenols, Total	Ave	1.197	1.077	0.6000	145	160	-10.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab Sample ID: ICV 680-272296/8 Calibration Date: 04/03/2013 15:29
 Instrument ID: MSG Calib Start Date: 04/03/2013 12:33
 GC Column: RXi- 5Sil MS ID: 0.25 (mm) Calib End Date: 04/03/2013 15:00
 Lab File ID: gd0309q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.297	1.235		76.2	80.0	-4.8	30.0
Phenol-d5 (Surr)	Ave	1.465	1.421		77.6	80.0	-3.0	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3125	0.2979		76.3	80.0	-4.7	30.0
2-Fluorobiphenyl	Ave	1.344	1.184		70.5	80.0	-11.9	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.2105	0.2113		80.3	80.0	0.4	30.0
Terphenyl-d14 (Surr)	Ave	0.9497	0.8476		71.4	80.0	-10.7	30.0

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040313D.b/gd0309q.d
Lab Smp Id: ICV-3015438;BNAICV-
Inj Date : 03-APR-2013 15:29
Operator : LEG
Smp Info : ICV-3015438;BNAICV-64
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040313D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 14:50 campbell Quant Type: ISTD
Cal Date : 03-APR-2013 15:00 Cal File: gd0308q.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.041	6.041	(1.000)	809912	40.0000	
2 1,4-Dioxane	88	2.687	2.687	(0.445)	912279	80.0000	77
3 Pyridine	79	3.104	3.104	(0.514)	2204830	80.0000	74
4 N-Nitrosodimethylamine	42	3.045	3.045	(0.504)	1434472	80.0000	75
\$ 5 2-Fluorophenol	112	4.679	4.679	(0.775)	2000461	80.0000	76
\$ 6 Phenol-d5	99	5.673	5.673	(0.939)	2302075	80.0000	78
7 Aniline	93	5.715	5.715	(0.946)	2787019	80.0000	77
8 Phenol	94	5.689	5.689	(0.942)	2513866	80.0000	74
9 Bis(2-chloroethyl)ether	63	5.774	5.774	(0.956)	1502890	80.0000	68
10 2-Chlorophenol	128	5.838	5.838	(0.966)	2126200	80.0000	76
11 1,3-Dichlorobenzene	146	5.988	5.988	(0.991)	2481877	80.0000	73
12 1,4-Dichlorobenzene	146	6.057	6.057	(1.003)	2308430	80.0000	73
13 Benzyl Alcohol	108	6.169	6.169	(1.021)	1366480	80.0000	76
14 1,2-Dichlorobenzene	146	6.207	6.207	(1.027)	2256104	80.0000	73
15 2-Methylphenol	107	6.282	6.282	(1.040)	1549090	80.0000	76
16 bis (2-Chloroisopropyl) ether	45	6.303	6.303	(1.043)	3469693	80.0000	75
17 N-Nitroso-di-n-propylamine	70	6.426	6.426	(1.064)	1108973	80.0000	75
18 3&4-Methylphenol	107	6.426	6.426	(1.064)	1941428	80.0000	69
19 Hexachloroethane	117	6.527	6.527	(1.080)	823532	80.0000	74
* 20 Naphthalene-d8	136	7.216	7.216	(1.000)	3134626	40.0000	
\$ 21 Nitrobenzene-d5	82	6.565	6.565	(0.910)	1867763	80.0000	76
22 Nitrobenzene	77	6.586	6.586	(0.913)	1758448	80.0000	75
23 Isophorone	82	6.800	6.800	(0.942)	3579207	80.0000	74
24 2-Nitrophenol	139	6.874	6.874	(0.953)	1161713	80.0000	80
25 2,4-Dimethylphenol	122	6.907	6.907	(0.957)	1830185	80.0000	79
26 Bis(2-chloroethoxy)methane	93	6.987	6.987	(0.968)	2061128	80.0000	75

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	7.008	7.008	(0.971)	1384482	80.0000	85
28 2,4-Dichlorophenol	162	7.088	7.088	(0.982)	1864871	80.0000	78
29 1,2,4-Trichlorobenzene	180	7.168	7.168	(0.993)	2078661	80.0000	75
30 Naphthalene	128	7.238	7.238	(1.003)	5494921	80.0000	75
31 4-Chloroaniline	127	7.280	7.280	(1.009)	2387818	80.0000	79
32 Hexachlorobutadiene	225	7.350	7.350	(1.018)	1280382	80.0000	75
33 4-Chloro-3-methylphenol	107	7.697	7.697	(1.067)	1662548	80.0000	80
34 2-Methylnaphthalene	142	7.847	7.847	(1.087)	4231223	80.0000	79
35 1-Methylnaphthalene	142	7.937	7.937	(1.100)	3840810	80.0000	76
* 36 Acenaphthene-d10	164	8.952	8.952	(1.000)	2069711	40.0000	
37 Hexachlorocyclopentadiene	237	8.001	8.001	(0.894)	1540241	80.0000	71
38 2,4,6-Trichlorophenol	196	8.108	8.108	(0.906)	1573930	80.0000	75
39 2,4,5-Trichlorophenol	196	8.151	8.151	(0.911)	1518471	80.0000	72
\$ 40 2-Fluorobiphenyl	172	8.188	8.188	(0.915)	4901228	80.0000	71
41 2-Chloronaphthalene	162	8.327	8.327	(0.930)	3988954	80.0000	70
42 2-Nitroaniline	65	8.423	8.423	(0.941)	1294875	80.0000	83
43 Dimethylphthalate	163	8.616	8.616	(0.962)	4772819	80.0000	71
44 2,6-Dinitrotoluene	165	8.685	8.685	(0.970)	1118883	80.0000	78
45 Acenaphthylene	152	8.792	8.792	(0.982)	6350993	80.0000	71
46 3-Nitroaniline	138	8.888	8.888	(0.993)	1293176	80.0000	81
47 Acenaphthene	154	8.990	8.990	(1.004)	4054325	80.0000	76
48 2,4-Dinitrophenol	184	9.000	9.000	(1.005)	691083	80.0000	90(Q)
49 4-Nitrophenol	65	9.059	9.059	(1.012)	868614	80.0000	80
50 Dibenzofuran	168	9.192	9.192	(1.027)	5716068	80.0000	71
51 2,4-Dinitrotoluene	165	9.155	9.155	(1.023)	1351412	80.0000	70
53 Diethylphthalate	149	9.433	9.433	(1.054)	4583349	80.0000	74
54 Fluorene	166	9.598	9.598	(1.072)	4626967	80.0000	74
55 4-Chlorophenyl-phenylether	204	9.582	9.582	(1.070)	2621516	80.0000	73
56 4-Nitroaniline	138	9.609	9.609	(1.073)	1127042	80.0000	75
\$ 57 2,4,6-Tribromophenol	329	9.887	9.887	(1.104)	874562	80.0000	80
* 58 Phenanthrene-d10	188	10.725	10.725	(1.000)	3490976	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.646	9.646	(0.899)	966167	80.0000	82
60 N-Nitrosodiphenylamine	169	9.721	9.721	(0.906)	4403092	80.0000	89
61 1,2-Diphenylhydrazine	77	9.775	9.775	(0.911)	3912881	80.0000	73
62 4-Bromophenyl-phenylether	248	10.175	10.175	(0.949)	1604660	80.0000	71
63 Hexachlorobenzene	284	10.271	10.271	(0.958)	1727149	80.0000	74
64 Pentachlorophenol	266	10.496	10.496	(0.979)	1221809	80.0000	83
65 Phenanthrene	178	10.752	10.752	(1.002)	6754548	80.0000	75
66 Anthracene	178	10.816	10.816	(1.008)	7164620	80.0000	75
67 Carbazole	167	10.998	10.998	(1.025)	6785070	80.0000	76
68 Di-n-Butylphthalate	149	11.398	11.398	(1.063)	8035621	80.0000	78
69 Fluoranthene	202	12.130	12.130	(1.131)	8608474	80.0000	78
70 Benzidine	184	12.274	12.274	(0.896)	4478492	80.0000	92
* 71 Chrysene-d12	240	13.695	13.695	(1.000)	3893070	40.0000	
72 Pyrene	202	12.386	12.386	(0.904)	8605365	80.0000	74
\$ 73 Terphenyl-d14	244	12.547	12.547	(0.916)	6599684	80.0000	71
74 Butylbenzylphthalate	149	13.075	13.075	(0.955)	3410317	80.0000	72

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.647	13.647	(0.996)	3541000	80.0000	82
76 Benzo(a)Anthracene	228	13.684	13.684	(0.999)	7733588	80.0000	70
77 Bis(2-ethylhexyl)phthalate	149	13.674	13.674	(0.998)	4478283	80.0000	75
78 Chrysene	228	13.722	13.722	(1.002)	8087211	80.0000	76
* 79 Perylene-d12	264	15.511	15.511	(1.000)	4643508	40.0000	
80 Di-n-octylphthalate	149	14.395	14.395	(1.051)	8771183	80.0000	80
81 Benzo(b)fluoranthene	252	14.972	14.972	(0.965)	10426045	80.0000	78
82 Benzo(k)fluoranthene	252	15.009	15.009	(0.968)	9865238	80.0000	76
83 Benzo(a)pyrene	252	15.431	15.431	(0.995)	9444082	80.0000	80
84 Indeno(1,2,3-cd)pyrene	276	17.396	17.396	(1.270)	11021091	80.0000	80
85 Dibenzo(a,h)anthracene	278	17.423	17.423	(1.123)	9320045	80.0000	74
86 Benzo(g,h,i)perylene	276	17.973	17.973	(1.159)	9761511	80.0000	74
87 Dinoseb	211	10.715	10.715	(0.999)	1498368	80.0000	85
89 Acetophenone	105	6.420	6.420	(0.890)	2335533	80.0000	77
90 Benzaldehyde	77	5.603	5.603	(0.927)	457719	80.0000	37
91 1,1-Biphenyl	154	8.295	8.295	(0.927)	4932445	80.0000	70
92 Caprolactam	113	7.596	7.596	(1.053)	695546	80.0000	84
93 Atrazine	200	10.362	10.362	(0.966)	1467440	80.0000	77
M 88 MethylPhenols,Total	100				3490518	160.000	150

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: gd0309q.d

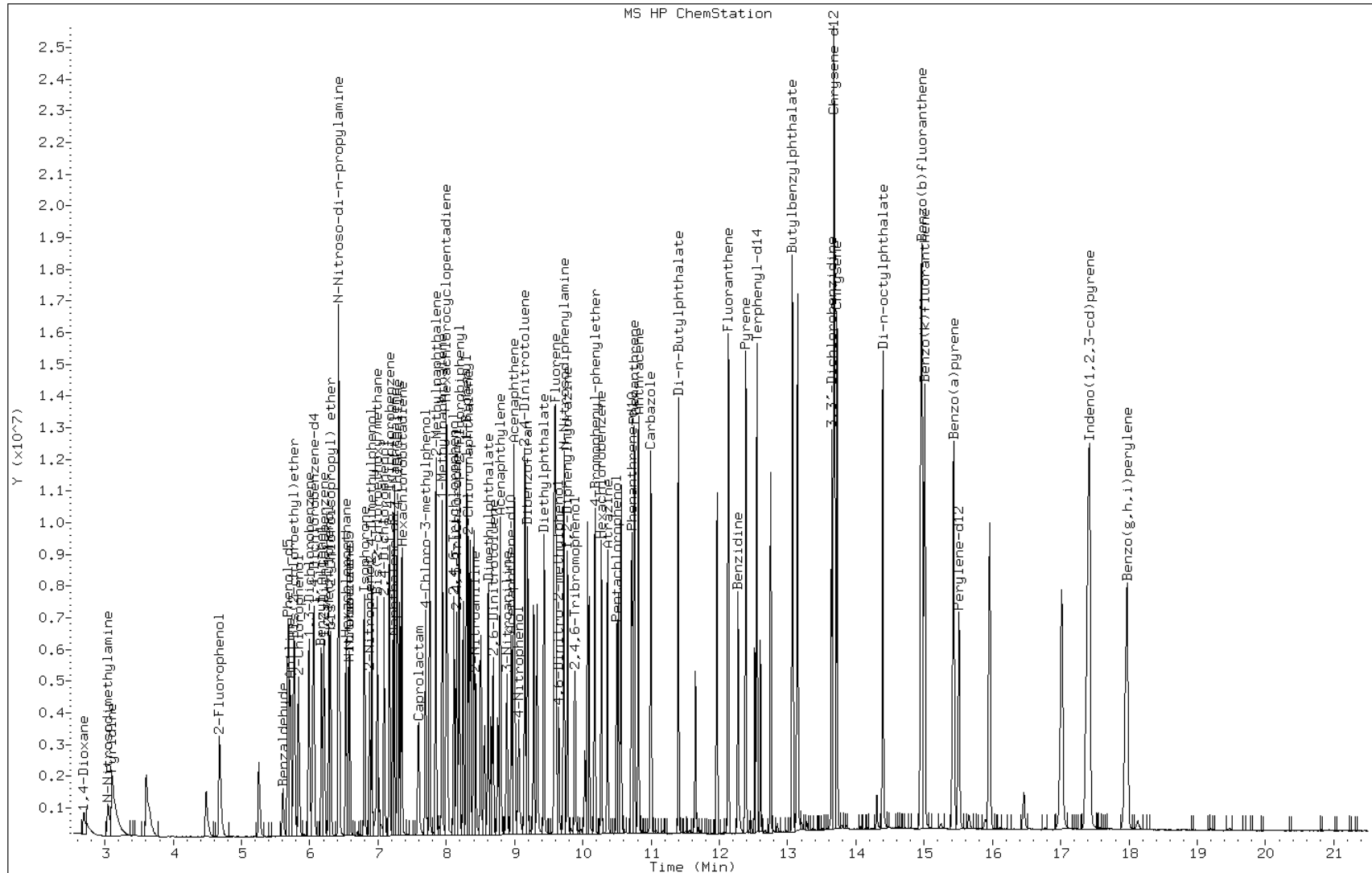
Date: 03-APR-2013 15:29

Client ID:

Instrument: MSG5973.i

Sample Info: ICV-3015438;BNAICV-64

Operator: LEG



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab Sample ID: CCVIS 680-272369/2 Calibration Date: 04/05/2013 12:45
 Instrument ID: MSG Calib Start Date: 04/03/2013 12:33
 GC Column: RXi- 5Sil MS ID: 0.25 (mm) Calib End Date: 04/03/2013 15:00
 Lab File ID: gd0511q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5827	0.5673		330	80.0	-2.6	20.0
N-Nitrosodimethylamine	Ave	0.9443	0.8529		330	80.0	-9.7	20.0
Pyridine	Ave	1.477	1.499		81.2	80.0	1.5	20.0
Benzaldehyde	Ave	0.6174	0.4921	0.0100	63.8	80.0	-20.3*	20.0
Phenol	Ave	1.677	1.729	0.8000	82.5	80.0	3.1	20.0
Aniline	Ave	1.790	1.807		80.8	80.0	1.0	20.0
Bis(2-chloroethyl)ether	Ave	1.090	0.9931	0.7000	72.9	80.0	-8.9	20.0
2-Chlorophenol	Ave	1.388	1.390	0.8000	80.2	80.0	0.2	20.0
1,3-Dichlorobenzene	Ave	1.675	1.657		79.1	80.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.560	1.601		82.1	80.0	2.6	20.0
Benzyl alcohol	Ave	0.8878	0.8999		81.1	80.0	1.4	20.0
1,2-Dichlorobenzene	Ave	1.525	1.530		80.2	80.0	0.3	20.0
2-Methylphenol	Ave	1.009	1.019	0.7000	80.8	80.0	1.0	20.0
bis (2-chloroisopropyl) ether	Ave	2.291	1.996	0.0100	69.7	80.0	-12.9	20.0
3 & 4 Methylphenol	Ave	1.385	1.446		83.6	80.0	4.4	20.0
Acetophenone	Ave	0.3860	0.4125	0.0100	85.5	80.0	6.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.7332	0.7639	0.5000	83.3	80.0	4.2	20.0
Hexachloroethane	Ave	0.5531	0.5249	0.3000	75.9	80.0	-5.1	20.0
Nitrobenzene	Ave	0.2997	0.3075	0.2000	82.1	80.0	2.6	20.0
Isophorone	Ave	0.6160	0.6121	0.4000	79.5	80.0	-0.6	20.0
2-Nitrophenol	Ave	0.1857	0.2029	0.1000	87.4	80.0	9.2	20.0
2,4-Dimethylphenol	Ave	0.2945	0.3028	0.2000	82.2	80.0	2.8	20.0
Benzoic acid	Ave	0.2086	0.1975		1700	80.0	-5.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3497	0.3440	0.3000	78.7	80.0	-1.6	20.0
2,4-Dichlorophenol	Ave	0.3036	0.3239	0.2000	85.4	80.0	6.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3514	0.3654		83.2	80.0	4.0	20.0
Naphthalene	Ave	0.9305	0.9509	0.7000	81.7	80.0	2.2	20.0
4-Chloroaniline	Ave	0.3848	0.4218	0.0100	87.7	80.0	9.6	20.0
Hexachlorobutadiene	Ave	0.2179	0.2193	0.0100	80.5	80.0	0.7	20.0
Caprolactam	Ave	0.1056	0.1190	0.0100	90.1	80.0	12.7	20.0
4-Chloro-3-methylphenol	Ave	0.2650	0.2872	0.2000	86.7	80.0	8.4	20.0
2-Methylnaphthalene	Ave	0.6866	0.7083	0.4000	82.5	80.0	3.2	20.0
1-Methylnaphthalene	Ave	0.6434	0.6715		83.5	80.0	4.4	20.0
Hexachlorocyclopentadiene	Ave	0.4213	0.4186	0.0500	79.5	80.0	-0.6	20.0
2,4,6-Trichlorophenol	Ave	0.3975	0.3919	0.2000	78.9	80.0	-1.4	20.0
2,4,5-Trichlorophenol	Ave	0.4068	0.4226	0.2000	83.1	80.0	3.9	20.0
1,1'-Biphenyl	Ave	1.356	1.382	0.0100	330	80.0	1.9	20.0
2-Chloronaphthalene	Ave	1.097	1.089	0.8000	79.4	80.0	-0.7	20.0
2-Nitroaniline	Ave	0.3010	0.3052	0.0100	81.1	80.0	1.4	20.0
Dimethyl phthalate	Ave	1.291	1.287	0.0100	79.7	80.0	-0.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab Sample ID: CCVIS 680-272369/2 Calibration Date: 04/05/2013 12:45
 Instrument ID: MSG Calib Start Date: 04/03/2013 12:33
 GC Column: RXi- 5Sil MS ID: 0.25 (mm) Calib End Date: 04/03/2013 15:00
 Lab File ID: gd0511q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2792	0.2980	0.2000	85.4	80.0	6.7	20.0
Acenaphthylene	Ave	1.719	1.727	0.9000	80.4	80.0	0.5	20.0
3-Nitroaniline	Ave	0.3080	0.3295	0.0100	85.6	80.0	7.0	20.0
Acenaphthene	Ave	1.031	1.051	0.9000	81.5	80.0	1.9	20.0
2,4-Dinitrophenol	Ave	0.1477	0.1650	0.0100	1700	80.0	11.7	20.0
4-Nitrophenol	Ave	0.2104	0.2211	0.0100	1700	80.0	5.1	20.0
2,4-Dinitrotoluene	Ave	0.3716	0.4056	0.2000	87.3	80.0	9.2	20.0
Dibenzofuran	Ave	1.550	1.558	0.8000	80.4	80.0	0.5	20.0
Diethyl phthalate	Ave	1.198	1.194	0.0100	79.7	80.0	-0.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6964	0.7140	0.4000	82.0	80.0	2.5	20.0
Fluorene	Ave	1.204	1.219	0.9000	81.0	80.0	1.2	20.0
4-Nitroaniline	Ave	0.2907	0.3053	0.0100	84.0	80.0	5.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1348	0.1459	0.0100	1700	80.0	8.3	20.0
N-Nitrosodiphenylamine	Ave	0.5681	0.5250	0.0100	73.9	80.0	-7.6	20.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.6160	0.5538		71.9	80.0	-10.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2602	0.2571	0.1000	79.0	80.0	-1.2	20.0
Hexachlorobenzene	Ave	0.2693	0.2684	0.1000	79.7	80.0	-0.4	20.0
Atrazine	Ave	0.2188	0.2269	0.0100	82.9	80.0	3.7	20.0
Pentachlorophenol	Ave	0.1689	0.1720	0.0500	1700	80.0	1.8	20.0
Dinoseb	Ave	0.2013	0.2188		330	80.0	8.7	20.0
Phenanthrene	Ave	1.033	1.020	0.7000	78.9	80.0	-1.3	20.0
Anthracene	Ave	1.086	1.059	0.7000	78.0	80.0	-2.5	20.0
Carbazole	Ave	1.021	1.019	0.0100	79.9	80.0	-0.1	20.0
Di-n-butyl phthalate	Ave	1.183	1.155	0.0100	78.1	80.0	-2.4	20.0
Fluoranthene	Ave	1.271	1.281	0.6000	80.7	80.0	0.8	20.0
Benzidine	Ave	0.4995	0.4961		2700	80.0	-0.7	20.0
Pyrene	Ave	1.194	1.226	0.6000	82.1	80.0	2.7	20.0
Butyl benzyl phthalate	Ave	0.4859	0.4738	0.0100	78.0	80.0	-2.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4430	0.4879	0.0100	88.1	80.0	10.1	20.0
Benzo[a]anthracene	Ave	1.139	1.101	0.8000	77.3	80.0	-3.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6141	0.5792	0.0100	75.5	80.0	-5.7	20.0
Chrysene	Ave	1.101	1.115	0.7000	81.0	80.0	1.2	20.0
Di-n-octyl phthalate	Ave	1.132	1.125	0.0100	79.5	80.0	-0.6	20.0
Benzo[b]fluoranthene	Ave	1.151	1.175	0.7000	81.7	80.0	2.1	20.0
Benzo[k]fluoranthene	Ave	1.133	1.118	0.7000	78.9	80.0	-1.4	20.0
Benzo[a]pyrene	Ave	1.016	1.016	0.7000	80.0	80.0	-0.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.415	1.388	0.5000	78.5	80.0	-1.9	20.0
Dibenz(a,h)anthracene	Ave	1.092	1.073	0.4000	78.6	80.0	-1.7	20.0
Benzo[g,h,i]perylene	Ave	1.139	1.117	0.5000	78.4	80.0	-2.0	20.0
Methyl Phenols, Total	Ave	1.197	1.233	0.6000	164	160	3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Lab Sample ID: CCVIS 680-272369/2 Calibration Date: 04/05/2013 12:45
 Instrument ID: MSG Calib Start Date: 04/03/2013 12:33
 GC Column: RXi- 5Sil MS ID: 0.25 (mm) Calib End Date: 04/03/2013 15:00
 Lab File ID: gd0511q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.297	1.303		80.4	80.0	0.5	20.0
Phenol-d5 (Surr)	Ave	1.465	1.519		83.0	80.0	3.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3125	0.3200		81.9	80.0	2.4	20.0
2-Fluorobiphenyl	Ave	1.344	1.322		78.7	80.0	-1.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2105	0.2303		87.5	80.0	9.4	20.0
Terphenyl-d14 (Surr)	Ave	0.9497	1.013		85.3	80.0	6.7	20.0

TESTAMERICA SAVANNAH

Semivolatiles REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/lg040513D.b/gd0511q.d
Lab Smp Id: CCVIS-3046467;BNA08
Inj Date : 05-APR-2013 12:45
Operator : LEG
Smp Info : CCVIS-3046467;BNA080-173
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/lg040513D.b/g-8270D-m.m
Meth Date : 08-Apr-2013 17:09 campbell Quant Type: ISTD
Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.013	(1.000)	411216	80.0000	
2 1,4-Dioxane	88	2.653	2.653	(0.441)	466602	80.0000	78
3 Pyridine	79	3.054	3.054	(0.508)	1233114	80.0000	81
4 N-Nitrosodimethylamine	42	2.989	2.989	(0.497)	701454	80.0000	72
\$ 5 2-Fluorophenol	112	4.640	4.640	(0.772)	1071949	80.0000	80
\$ 6 Phenol-d5	99	5.644	5.644	(0.939)	1249439	80.0000	83
7 Aniline	93	5.687	5.687	(0.946)	1486284	80.0000	81
8 Phenol	94	5.660	5.660	(0.941)	1422094	80.0000	82
9 Bis(2-chloroethyl)ether	63	5.745	5.745	(0.956)	816777	80.0000	73
10 2-Chlorophenol	128	5.810	5.810	(0.966)	1143564	80.0000	80
11 1,3-Dichlorobenzene	146	5.959	5.959	(0.991)	1362550	80.0000	79
12 1,4-Dichlorobenzene	146	6.034	6.034	(1.004)	1316741	80.0000	82
13 Benzyl Alcohol	108	6.146	6.146	(1.022)	740064	80.0000	81
14 1,2-Dichlorobenzene	146	6.183	6.183	(1.028)	1258069	80.0000	80
15 2-Methylphenol	107	6.253	6.253	(1.040)	838105	80.0000	81
16 bis (2-Chloroisopropyl) ether	45	6.274	6.274	(1.044)	1641796	80.0000	70
17 N-Nitroso-di-n-propylamine	70	6.397	6.397	(1.064)	628248	80.0000	83
18 3&4-Methylphenol	107	6.397	6.397	(1.064)	1189425	80.0000	84
19 Hexachloroethane	117	6.504	6.504	(1.082)	431676	80.0000	76
* 20 Naphthalene-d8	136	7.198	7.198	(1.000)	1602980	40.0000	
\$ 21 Nitrobenzene-d5	82	6.541	6.541	(0.909)	1026048	80.0000	82
22 Nitrobenzene	77	6.557	6.557	(0.911)	985836	80.0000	82
23 Isophorone	82	6.776	6.776	(0.941)	1962200	80.0000	79
24 2-Nitrophenol	139	6.851	6.851	(0.952)	650418	80.0000	87
25 2,4-Dimethylphenol	122	6.883	6.883	(0.956)	970595	80.0000	82
26 Bis(2-chloroethoxy)methane	93	6.963	6.963	(0.967)	1102990	80.0000	79

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	6.963	6.963	(0.967)	633006	80.0000	76
28 2,4-Dichlorophenol	162	7.070	7.070	(0.982)	1038298	80.0000	85
29 1,2,4-Trichlorobenzene	180	7.145	7.145	(0.993)	1171362	80.0000	83
30 Naphthalene	128	7.214	7.214	(1.002)	3048404	80.0000	82
31 4-Chloroaniline	127	7.257	7.257	(1.008)	1352285	80.0000	88
32 Hexachlorobutadiene	225	7.326	7.326	(1.018)	703123	80.0000	81
33 4-Chloro-3-methylphenol	107	7.674	7.674	(1.066)	920643	80.0000	87
34 2-Methylnaphthalene	142	7.823	7.823	(1.087)	2270711	80.0000	83
35 1-Methylnaphthalene	142	7.919	7.919	(1.100)	2152917	80.0000	83
* 36 Acenaphthene-d10	164	8.929	8.929	(1.000)	1031128	40.0000	
37 Hexachlorocyclopentadiene	237	7.978	7.978	(0.894)	863272	80.0000	79
38 2,4,6-Trichlorophenol	196	8.090	8.090	(0.906)	808240	80.0000	79
39 2,4,5-Trichlorophenol	196	8.128	8.128	(0.910)	871429	80.0000	83
\$ 40 2-Fluorobiphenyl	172	8.170	8.170	(0.915)	2725808	80.0000	79
41 2-Chloronaphthalene	162	8.304	8.304	(0.930)	2244961	80.0000	79
42 2-Nitroaniline	65	8.400	8.400	(0.941)	629343	80.0000	81
43 Dimethylphthalate	163	8.587	8.587	(0.962)	2653900	80.0000	80
44 2,6-Dinitrotoluene	165	8.656	8.656	(0.969)	614450	80.0000	85
45 Acenaphthylene	152	8.769	8.769	(0.982)	3560661	80.0000	80
46 3-Nitroaniline	138	8.859	8.859	(0.992)	679490	80.0000	86
47 Acenaphthene	154	8.966	8.966	(1.004)	2167862	80.0000	82
48 2,4-Dinitrophenol	184	8.977	8.977	(1.005)	340212	80.0000	89(Q)
49 4-Nitrophenol	65	9.036	9.036	(1.012)	455905	80.0000	84
50 Dibenzofuran	168	9.169	9.169	(1.027)	3212174	80.0000	80
51 2,4-Dinitrotoluene	165	9.132	9.132	(1.023)	836530	80.0000	87
53 Diethylphthalate	149	9.409	9.409	(1.054)	2462217	80.0000	80
54 Fluorene	166	9.575	9.575	(1.072)	2513740	80.0000	81
55 4-Chlorophenyl-phenylether	204	9.564	9.564	(1.071)	1472404	80.0000	82
56 4-Nitroaniline	138	9.586	9.586	(1.074)	629537	80.0000	84
\$ 57 2,4,6-Tribromophenol	329	9.863	9.863	(1.105)	474951	80.0000	88
* 58 Phenanthrene-d10	188	10.702	10.702	(1.000)	1843451	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.623	9.623	(0.899)	537924	80.0000	87
60 N-Nitrosodiphenylamine	169	9.703	9.703	(0.907)	1935755	80.0000	74
61 1,2-Diphenylhydrazine	77	9.751	9.751	(0.911)	2041655	80.0000	72
62 4-Bromophenyl-phenylether	248	10.157	10.157	(0.949)	947857	80.0000	79
63 Hexachlorobenzene	284	10.248	10.248	(0.958)	989457	80.0000	80
64 Pentachlorophenol	266	10.472	10.472	(0.979)	634213	80.0000	81
65 Phenanthrene	178	10.729	10.729	(1.002)	3758852	80.0000	79
66 Anthracene	178	10.793	10.793	(1.008)	3903469	80.0000	78
67 Carbazole	167	10.974	10.974	(1.025)	3757846	80.0000	80
68 Di-n-Butylphthalate	149	11.380	11.380	(1.063)	4256803	80.0000	78
69 Fluoranthene	202	12.112	12.112	(1.132)	4723769	80.0000	81
70 Benzidine	184	12.256	12.256	(0.896)	1862602	80.0000	79
* 71 Chrysene-d12	240	13.677	13.677	(1.000)	1877233	40.0000	
72 Pyrene	202	12.368	12.368	(0.904)	4603350	80.0000	82
\$ 73 Terphenyl-d14	244	12.534	12.534	(0.916)	3802823	80.0000	85
74 Butylbenzylphthalate	149	13.057	13.057	(0.955)	1778857	80.0000	78

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
75 3,3'-Dichlorobenzidine	252	13.629	13.629	(0.996)	1831815	80.0000	88
76 Benzo(a)Anthracene	228	13.661	13.661	(0.999)	4133242	80.0000	77
77 Bis(2-ethylhexyl)phthalate	149	13.661	13.661	(0.999)	2174640	80.0000	75
78 Chrysene	228	13.704	13.704	(1.002)	4185276	80.0000	81
* 79 Perylene-d12	264	15.488	15.488	(1.000)	2120587	40.0000	
80 Di-n-octylphthalate	149	14.382	14.382	(1.052)	4223215	80.0000	80
81 Benzo(b)fluoranthene	252	14.943	14.943	(0.965)	4981315	80.0000	82
82 Benzo(k)fluoranthene	252	14.980	14.980	(0.967)	4740317	80.0000	79
83 Benzo(a)pyrene	252	15.407	15.407	(0.995)	4309580	80.0000	80
84 Indeno(1,2,3-cd)pyrene	276	17.357	17.357	(1.269)	5212963	80.0000	78
85 Dibenzo(a,h)anthracene	278	17.384	17.384	(1.122)	4550674	80.0000	79
86 Benzo(g,h,i)perylene	276	17.923	17.923	(1.157)	4736005	80.0000	78
87 Dinoseb	211	10.691	10.691	(0.999)	806497	80.0000	87
89 Acetophenone	105	6.397	6.397	(0.889)	1322367	80.0000	85
90 Benzaldehyde	77	5.575	5.575	(0.927)	404710	80.0000	64
91 1,1-Biphenyl	154	8.272	8.272	(0.926)	2850812	80.0000	82
92 Caprolactam	113	7.551	7.551	(1.049)	381451	80.0000	90
93 Atrazine	200	10.339	10.339	(0.966)	836360	80.0000	83
M 88 MethylPhenols,Total	100				2027530	160.000	160

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: gd0511q.d

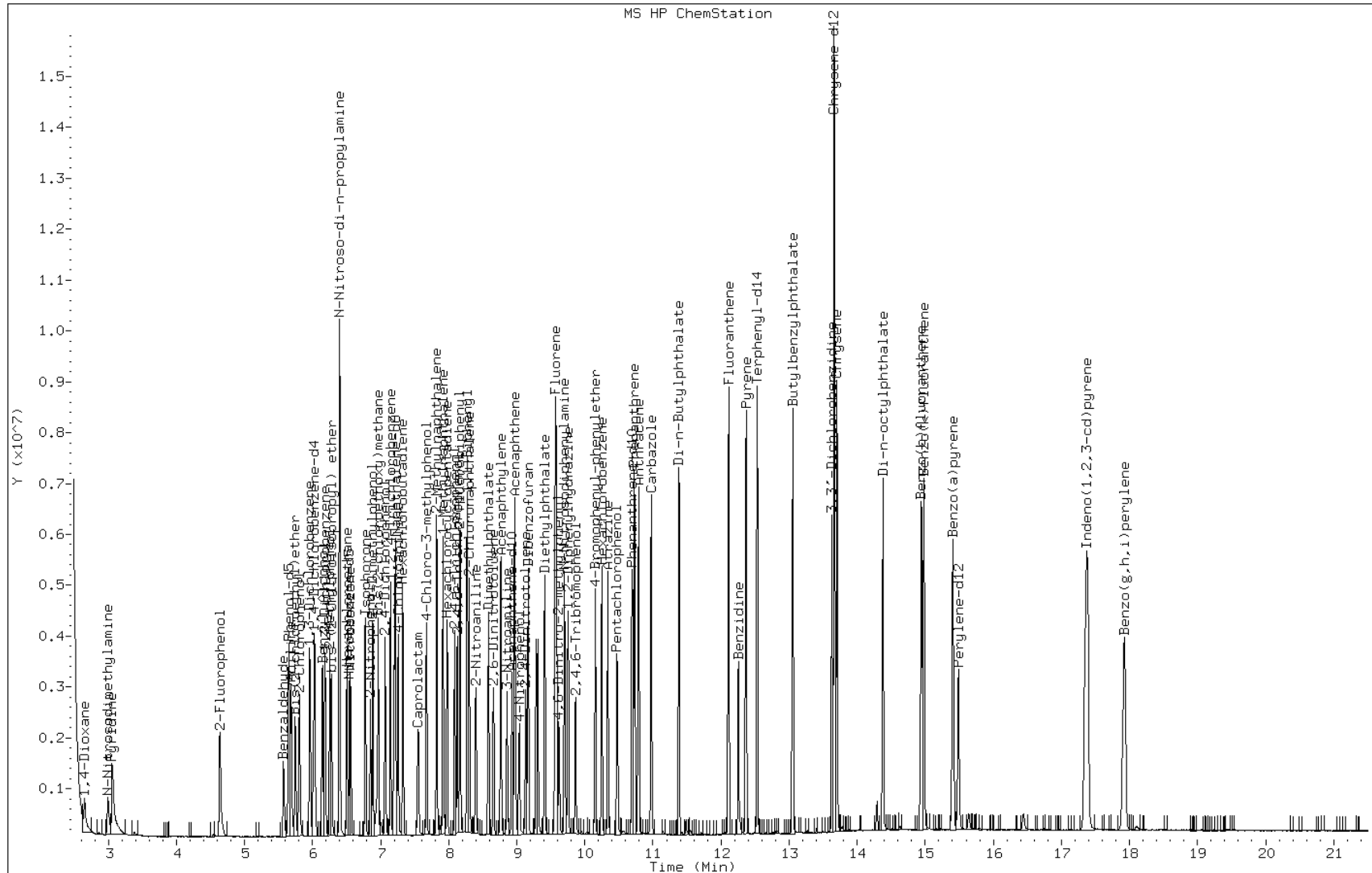
Date: 05-APR-2013 12:45

Client ID:

Instrument: MSG5973.i

Sample Info: CCVIS-3046467;BNA080-173

Operator: LEG



TESTAMERICA SAVANNAH

Data file : /chem/SM/MSG5973.i/1g040313D.b/gd0302t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 03-APR-2013 12:18
Operator : SMC Inst ID: MSG5973.i
Smp Info : DFTPP-3042378;DFTPP-76
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g040313D.b/g-dftpp8270D.m
Meth Date : 31-Mar-2013 10:07 gillinsl Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

CONCENTRATIONS

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp				CAS #: 5074-71-5				
6.499	6.101	0.398	198	322944			0.00- 100.00	100.00
6.499	6.101	0.398	51	128728			30.00- 80.00	39.86
6.499	6.101	0.398	68	422			0.00- 2.00	0.47
6.499	6.101	0.398	69	90712			0.00- 0.00	28.09
6.499	6.101	0.398	70	452			0.00- 2.00	0.50
6.499	6.101	0.398	127	127120			25.00- 75.00	39.36
6.499	6.101	0.398	197	532			0.00- 1.00	0.16
6.499	6.101	0.398	199	22776			5.00- 9.00	7.05
6.499	6.101	0.398	275	92304			10.00- 30.00	28.58
6.499	6.101	0.398	365	12765			0.75- 0.00	3.95
6.499	6.101	0.398	441	40264			0.01- 99.99	76.86
6.499	6.101	0.398	442	270848			40.00- 110.00	83.87
6.499	6.101	0.398	443	52384			15.00- 24.00	19.34

Data File: gd0302t.d

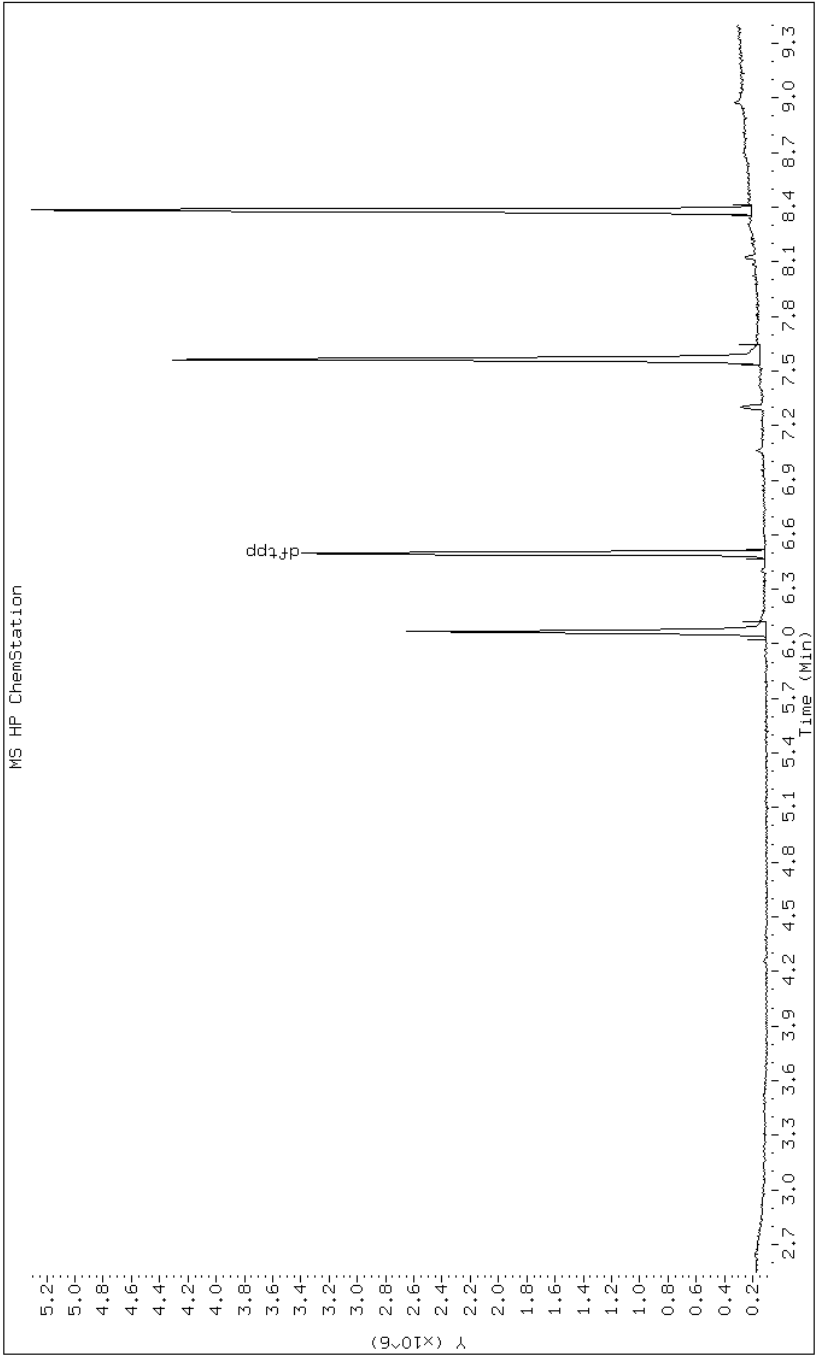
Date: 03-APR-2013 12:18

Client ID: DFTPP

Instrument: MSG5973.i

Sample Info: DFTPP-3042378;DFTPP-76

Operator: SMC



Data File: gd0302t.d

Date: 03-APR-2013 12:18

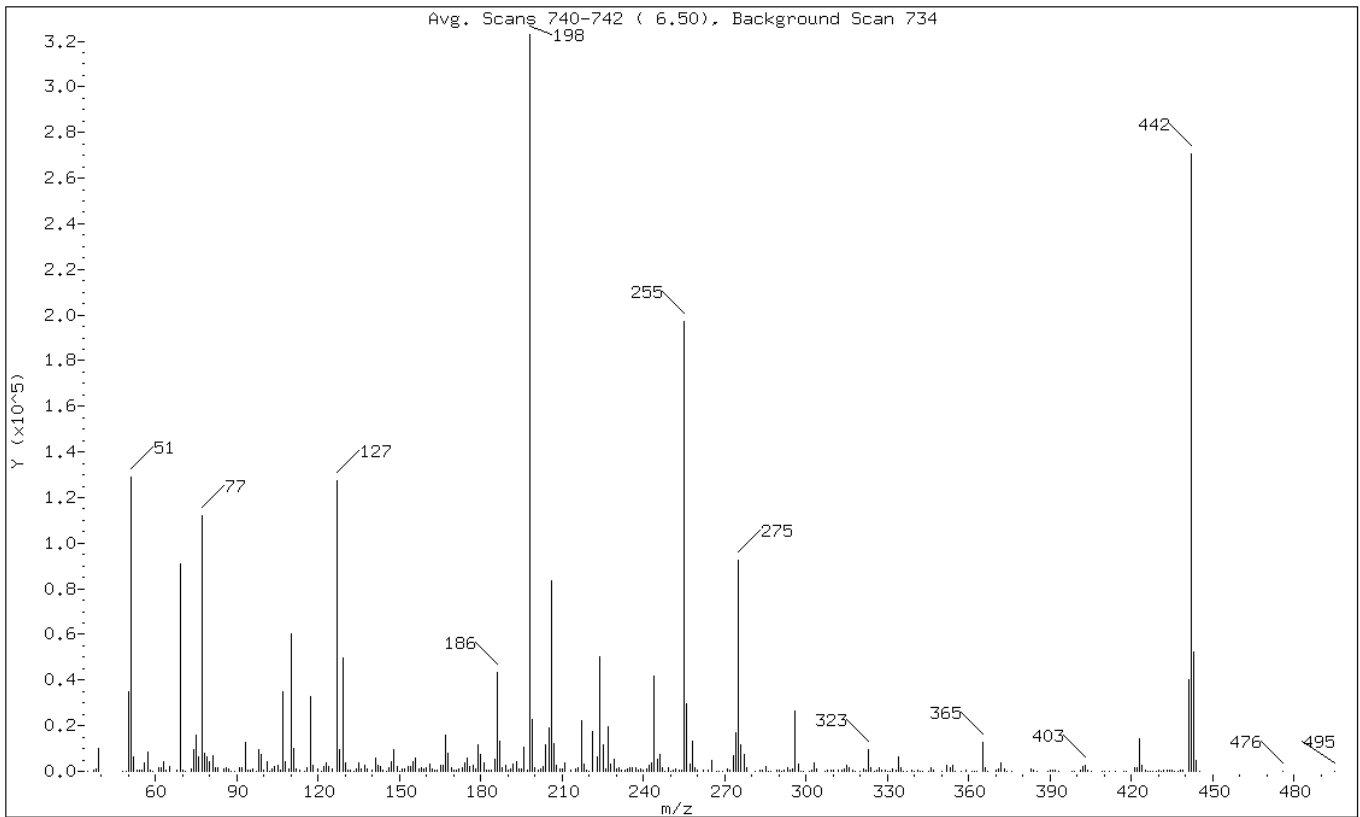
Client ID: DFTPP

Instrument: MSG5973.i

Sample Info: DFTPP-3042378;DFTPP-76

Operator: SMC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	39.86
68	Less than 2.00% of mass 69	0.13 (0.47)
69	Mass 69 relative abundance	28.09
70	Less than 2.00% of mass 69	0.14 (0.50)
127	25.00 - 75.00% of mass 198	39.36
197	Less than 1.00% of mass 198	0.16
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	28.58
365	Greater than 0.75% of mass 198	3.95
441	Present, but less than mass 443	12.47
442	40.00 - 110.00% of mass 198	83.87
443	15.00 - 24.00% of mass 442	16.22 (19.34)

Data File: gd0302t.d

Date: 03-APR-2013 12:18

Client ID: DFTPP

Instrument: MSG5973.i

Sample Info: DFTPP-3042378;DFTPP-76

Operator: SMC

Data File: /chem/SM/MSG5973.i/lg040313D.b/gd0302t.d

Spectrum: Avg. Scans 740-742 (6.50), Background Scan 734

Location of Maximum: 198.00

Number of points: 342

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	89	140.00	586	229.00	5055	328.00	700
37.00	530	141.00	5939	230.00	958	329.00	464
38.00	936	142.00	2455	231.00	1638	330.00	166
39.00	10188	143.00	2034	232.00	491	331.00	84
48.00	149	144.00	309	233.00	690	332.00	938
49.00	45	145.00	100	234.00	1307	333.00	677
50.00	34680	146.00	1731	235.00	1472	334.00	6573
51.00	128728	147.00	4088	236.00	1324	335.00	1571
52.00	6401	148.00	9285	237.00	1845	336.00	210
53.00	372	149.00	1890	238.00	461	337.00	85
54.00	486	150.00	192	239.00	1098	339.00	320
55.00	406	151.00	864	240.00	707	340.00	74
56.00	3443	152.00	872	241.00	1170	341.00	741
57.00	8307	153.00	1946	242.00	2780	342.00	43
58.00	463	154.00	1968	243.00	3567	343.00	140
59.00	176	155.00	4007	244.00	41600	345.00	61
61.00	1346	156.00	5740	245.00	5157	346.00	1358
62.00	1830	157.00	1052	246.00	7292	347.00	468
63.00	4416	158.00	1816	247.00	1637	350.00	180
64.00	533	159.00	971	248.00	162	352.00	2711
65.00	2303	160.00	1476	249.00	1373	353.00	1561
68.00	422	161.00	3134	250.00	259	354.00	2880
69.00	90712	162.00	1069	251.00	594	355.00	158
70.00	452	163.00	334	252.00	1001	357.00	15
71.00	121	164.00	344	253.00	385	359.00	365
73.00	875	165.00	2387	254.00	473	361.00	107
74.00	9348	166.00	2827	255.00	197184	362.00	74
75.00	15727	167.00	16063	256.00	29824	363.00	118
76.00	6540	168.00	8132	257.00	2979	365.00	12765
77.00	111864	169.00	1359	258.00	13134	366.00	1550
78.00	7941	170.00	494	259.00	1845	367.00	58
79.00	6350	171.00	762	260.00	361	370.00	449
80.00	4402	172.00	808	262.00	292	371.00	889
81.00	6964	173.00	1580	264.00	326	372.00	3674
82.00	1388	174.00	3835	265.00	5019	373.00	1267
83.00	1543	175.00	6033	267.00	158	374.00	220
85.00	1292	176.00	2078	268.00	158	376.00	158
86.00	1688	177.00	2758	269.00	155	383.00	1143
87.00	942	178.00	1042	271.00	835	384.00	564
88.00	206	179.00	11615	272.00	765	385.00	74

89.00	50	180.00	7437	273.00	6705	389.00	163
91.00	1575	181.00	3678	274.00	17080	390.00	533
92.00	1444	182.00	735	275.00	92304	391.00	418
93.00	12720	183.00	606	276.00	11512	392.00	513
94.00	586	184.00	695	277.00	7419	393.00	56
95.00	365	185.00	5281	278.00	1760	398.00	66
96.00	890	186.00	43224	281.00	142	399.00	53
97.00	138	187.00	13164	283.00	640	401.00	359
98.00	9400	188.00	1521	284.00	495	402.00	2118
99.00	7583	189.00	2616	285.00	2136	403.00	2392
100.00	589	190.00	483	286.00	198	404.00	736
101.00	4048	191.00	1240	287.00	138	405.00	123
102.00	111	192.00	3110	289.00	334	409.00	91
103.00	1241	193.00	3992	290.00	304	410.00	54
104.00	2238	194.00	1288	291.00	97	412.00	158
105.00	2741	195.00	881	292.00	508	414.00	57
106.00	485	196.00	10564	293.00	1584	417.00	113
107.00	34832	197.00	532	294.00	465	418.00	61
108.00	4469	198.00	322944	295.00	807	421.00	1794
109.00	1183	199.00	22776	296.00	26648	422.00	1490
110.00	60512	200.00	1328	297.00	3399	423.00	14324
111.00	9816	201.00	433	298.00	75	424.00	2786
112.00	873	202.00	1178	299.00	71	425.00	396
113.00	738	203.00	2015	301.00	244	426.00	64
115.00	153	204.00	11729	302.00	792	427.00	133
116.00	1826	205.00	18824	303.00	3575	428.00	193
117.00	32896	206.00	83312	304.00	845	429.00	190
118.00	2736	207.00	12351	307.00	87	430.00	293
120.00	852	208.00	2474	308.00	299	431.00	157
121.00	10	209.00	1116	309.00	389	432.00	467
122.00	2298	210.00	1144	310.00	418	433.00	508
123.00	3821	211.00	3819	312.00	267	434.00	348
124.00	1896	213.00	661	313.00	453	435.00	607
125.00	1307	215.00	1272	314.00	1162	436.00	164
127.00	127120	216.00	1754	315.00	2707	437.00	233
128.00	9434	217.00	22280	316.00	1750	438.00	610
129.00	49488	218.00	2946	317.00	671	439.00	284
130.00	3771	219.00	532	318.00	77	441.00	40264
131.00	792	220.00	144	320.00	71	442.00	270848
132.00	558	221.00	17408	321.00	1077	443.00	52384
133.00	106	223.00	6090	322.00	481	444.00	4999
134.00	833	224.00	50016	323.00	9342	445.00	252
135.00	3603	225.00	11598	324.00	1565	476.00	58
136.00	1227	226.00	1250	325.00	68	495.00	53
137.00	2629	227.00	19528	326.00	304		
138.00	878	228.00	3198	327.00	1433		

TESTAMERICA SAVANNAH

Data file : /chem/SM/MSG5973.i/1g040513D.b/gd0510t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 05-APR-2013 12:30
Operator : SMC Inst ID: MSG5973.i
Smp Info : DFTPP-3042378;DFTPP-76
Misc Info :
Comment :
Method : /chem/SM/MSG5973.i/1g040513D.b/g-dftpp8270D.m
Meth Date : 31-Mar-2013 10:07 gillinsl Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

CONCENTRATIONS

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp				CAS #: 5074-71-5				
6.476	6.101	0.375	198	331008			0.00- 100.00	100.00
6.476	6.101	0.375	51	107656			30.00- 80.00	32.52
6.476	6.101	0.375	68	0			0.00- 2.00	0.00
6.476	6.101	0.375	69	86408			0.00- 0.00	26.10
6.476	6.101	0.375	70	203			0.00- 2.00	0.23
6.476	6.101	0.375	127	122824			25.00- 75.00	37.11
6.476	6.101	0.375	197	0			0.00- 1.00	0.00
6.476	6.101	0.375	199	21352			5.00- 9.00	6.45
6.476	6.101	0.375	275	94840			10.00- 30.00	28.65
6.476	6.101	0.375	365	12615			0.75- 0.00	3.81
6.476	6.101	0.375	441	44072			0.01- 99.99	75.95
6.476	6.101	0.375	442	309312			40.00- 110.00	93.45
6.476	6.101	0.375	443	58024			15.00- 24.00	18.76

Data File: gd0510t.d

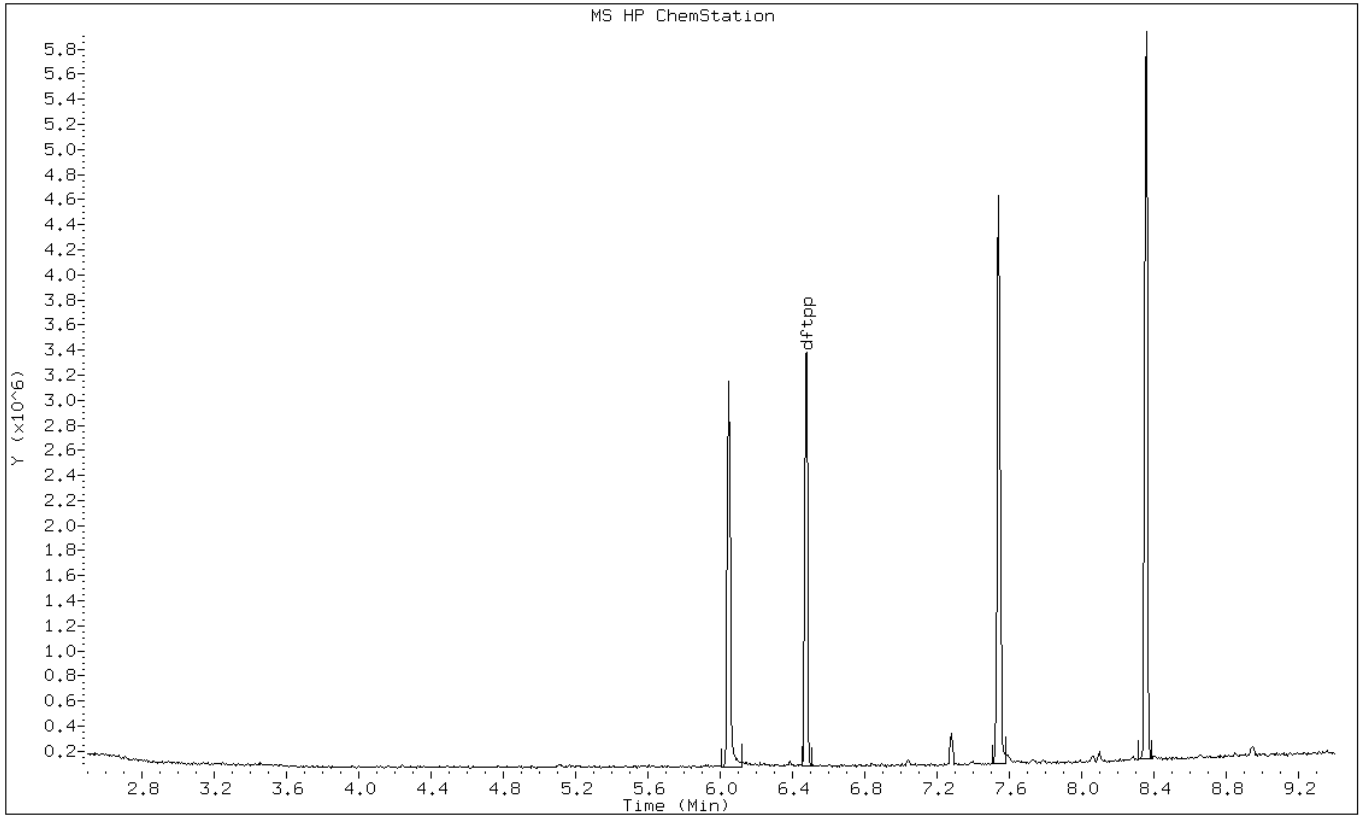
Date: 05-APR-2013 12:30

Client ID: DFTPP

Instrument: MSG5973.i

Sample Info: DFTPP-3042378;DFTPP-76

Operator: SMC



Data File: gd0510t.d

Date: 05-APR-2013 12:30

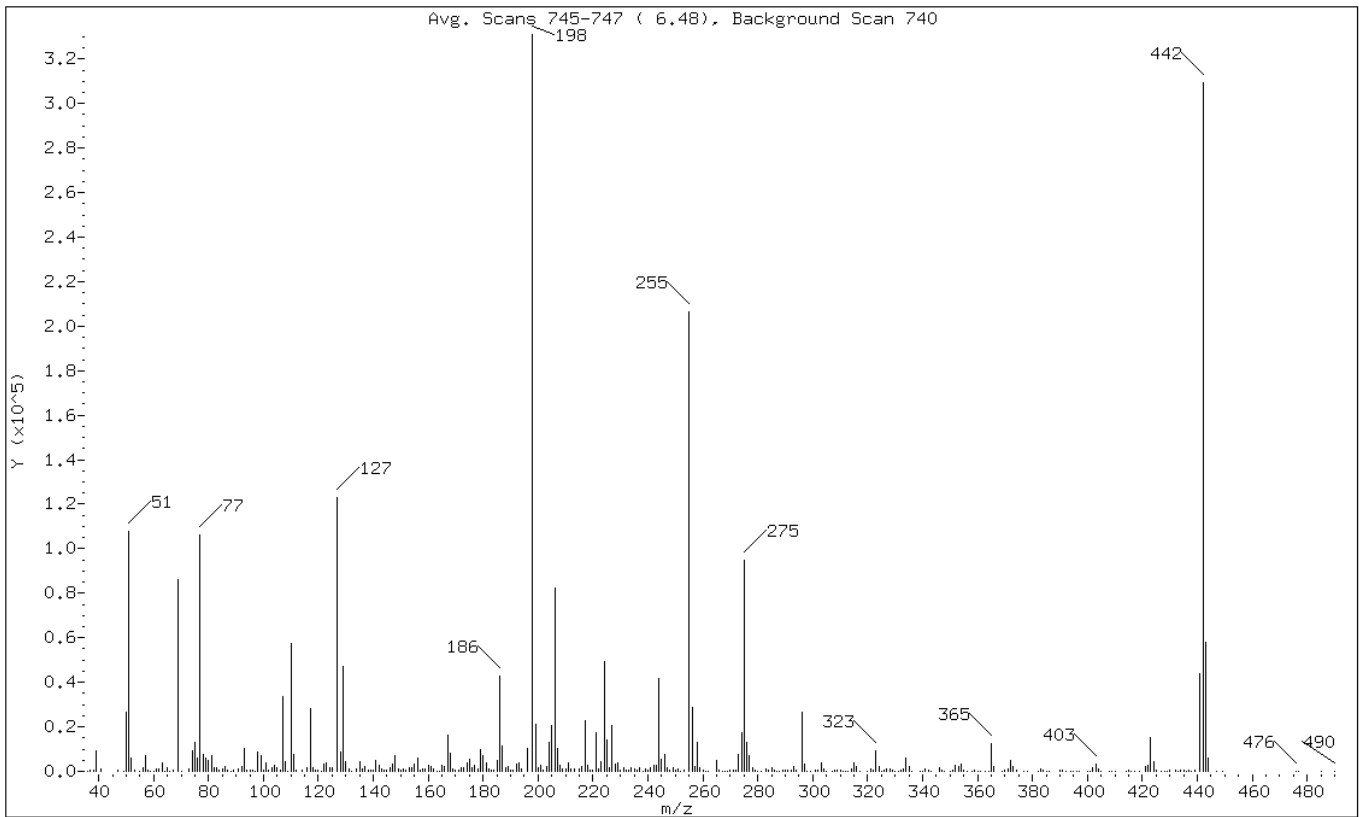
Client ID: DFTPP

Instrument: MSG5973.i

Sample Info: DFTPP-3042378;DFTPP-76

Operator: SMC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	32.52
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	26.10
70	Less than 2.00% of mass 69	0.06 (0.23)
127	25.00 - 75.00% of mass 198	37.11
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.45
275	10.00 - 30.00% of mass 198	28.65
365	Greater than 0.75% of mass 198	3.81
441	Present, but less than mass 443	13.31
442	40.00 - 110.00% of mass 198	93.45
443	15.00 - 24.00% of mass 442	17.53 (18.76)

Data File: gd0510t.d

Date: 05-APR-2013 12:30

Client ID: DFTPP

Instrument: MSG5973.i

Sample Info: DFTPP-3042378;DFTPP-76

Operator: SMC

Data File: /chem/SM/MSG5973.i/lg040513D.b/gd0510t.d

Spectrum: Avg. Scans 745-747 (6.48), Background Scan 740

Location of Maximum: 198.00

Number of points: 357

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	75	142.00	2823	235.00	1047	334.00	5865
37.00	635	143.00	896	236.00	811	335.00	2158
38.00	645	144.00	496	237.00	1861	336.00	93
39.00	8994	145.00	479	238.00	143	339.00	63
41.00	836	146.00	1374	239.00	911	340.00	157
47.00	274	147.00	3107	240.00	757	341.00	1101
49.00	82	148.00	7045	241.00	1393	342.00	561
50.00	26640	149.00	1031	242.00	2898	343.00	229
51.00	107656	150.00	608	243.00	2715	346.00	1650
52.00	6015	151.00	1024	244.00	41672	347.00	538
53.00	571	152.00	688	245.00	5379	348.00	138
55.00	255	153.00	1805	246.00	7724	350.00	126
56.00	1783	154.00	1544	247.00	1685	351.00	347
57.00	7210	155.00	3439	248.00	384	352.00	2767
58.00	391	156.00	5940	249.00	1618	353.00	1973
59.00	185	157.00	594	250.00	410	354.00	3254
60.00	102	158.00	1052	251.00	885	355.00	405
61.00	1187	159.00	893	252.00	191	356.00	202
62.00	1079	160.00	2633	253.00	711	358.00	215
63.00	3813	161.00	2422	255.00	206144	359.00	330
64.00	118	162.00	1291	256.00	28712	360.00	138
65.00	1439	163.00	179	257.00	2055	361.00	169
66.00	203	164.00	73	258.00	13089	363.00	134
67.00	397	165.00	2808	259.00	1503	364.00	166
69.00	86408	166.00	2129	260.00	444	365.00	12615
70.00	203	167.00	16416	261.00	106	366.00	1936
73.00	1023	168.00	8359	262.00	166	369.00	65
74.00	9115	169.00	938	265.00	4724	370.00	449
75.00	13201	170.00	672	266.00	580	371.00	1090
76.00	6172	171.00	666	267.00	249	372.00	5132
77.00	106160	172.00	1415	268.00	129	373.00	2155
78.00	7477	173.00	1789	269.00	213	374.00	336
79.00	6083	174.00	3791	270.00	752	377.00	115
80.00	4607	175.00	5677	271.00	590	378.00	119
81.00	6856	176.00	1371	272.00	485	382.00	68
82.00	1761	177.00	2692	273.00	7351	383.00	1341
83.00	1819	178.00	1071	274.00	17192	384.00	716
84.00	445	179.00	10007	275.00	94840	385.00	230
85.00	900	180.00	6776	276.00	13206	386.00	64
86.00	1937	181.00	3688	277.00	7128	390.00	404

87.00	616	182.00	919	278.00	1370	391.00	613
88.00	107	183.00	335	279.00	518	392.00	261
89.00	355	184.00	525	280.00	137	394.00	112
91.00	1167	185.00	4671	281.00	23	395.00	58
92.00	1918	186.00	42920	283.00	930	396.00	126
93.00	10351	187.00	11442	284.00	380	397.00	99
94.00	519	188.00	1502	285.00	1482	400.00	64
95.00	427	189.00	2373	286.00	382	401.00	250
96.00	345	190.00	653	287.00	125	402.00	1742
97.00	4	191.00	655	288.00	80	403.00	3146
98.00	8735	192.00	3062	289.00	425	404.00	1210
99.00	7066	193.00	3833	290.00	485	405.00	109
100.00	612	194.00	1110	291.00	502	408.00	79
101.00	3884	196.00	10295	292.00	489	409.00	82
102.00	461	198.00	331008	293.00	1960	410.00	200
103.00	1357	199.00	21352	294.00	700	414.00	98
104.00	2969	200.00	1448	296.00	26720	415.00	320
105.00	1860	201.00	2605	297.00	3312	416.00	132
106.00	382	202.00	708	298.00	58	417.00	132
107.00	33440	203.00	2172	299.00	76	419.00	90
108.00	4376	204.00	12749	301.00	567	421.00	2360
109.00	31	205.00	20512	302.00	392	422.00	2765
110.00	57408	206.00	82408	303.00	3571	423.00	15202
111.00	7809	207.00	10186	304.00	1155	424.00	4145
112.00	736	208.00	2458	305.00	57	425.00	557
114.00	308	209.00	835	307.00	176	427.00	97
116.00	1503	210.00	915	308.00	648	428.00	125
117.00	28040	211.00	3840	309.00	379	429.00	83
118.00	1754	212.00	967	310.00	550	430.00	352
119.00	582	213.00	878	311.00	195	432.00	551
120.00	414	215.00	1012	312.00	199	433.00	75
121.00	194	216.00	2036	313.00	60	434.00	310
122.00	3068	217.00	22808	314.00	1076	435.00	525
123.00	3924	218.00	2776	315.00	3644	436.00	210
124.00	1743	219.00	427	316.00	2002	437.00	620
125.00	1681	220.00	310	317.00	228	438.00	236
127.00	122824	221.00	17592	320.00	255	439.00	509
128.00	8717	222.00	1295	321.00	1214	441.00	44072
129.00	47192	223.00	4489	322.00	375	442.00	309312
130.00	4483	224.00	49312	323.00	9454	443.00	58024
131.00	939	225.00	14131	324.00	2125	444.00	5919
132.00	176	226.00	1395	325.00	127	447.00	266
134.00	1059	227.00	20352	326.00	369	449.00	61
135.00	4345	228.00	3024	327.00	1252	476.00	79
136.00	1265	229.00	3916	328.00	1040	477.00	52
137.00	2097	230.00	557	329.00	586	485.00	51
138.00	545	231.00	1637	330.00	52	490.00	88
139.00	389	232.00	626	331.00	75		
140.00	472	233.00	408	332.00	704		
141.00	5134	234.00	1566	333.00	940		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: _____ Lab Sample ID: MB 680-271424/8-A
 Matrix: Solid Lab File ID: gd0519.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.50(g) Date Analyzed: 04/05/2013 16:40
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	320	U	320	28
1912-24-9	Atrazine	320	U	320	23
100-52-7	Benzaldehyde	320	U	320	57
92-52-4	1,1'-Biphenyl	320	U	320	730
111-91-1	Bis(2-chloroethoxy)methane	320	U	320	38
111-44-4	Bis(2-chloroethyl)ether	320	U	320	44
108-60-1	bis(2-chloroisopropyl) ether	320	U	320	30
117-81-7	Bis(2-ethylhexyl) phthalate	320	U	320	29
101-55-3	4-Bromophenyl phenyl ether	320	U	320	35
85-68-7	Butyl benzyl phthalate	320	U	320	26
105-60-2	Caprolactam	320	U	320	65
86-74-8	Carbazole	320	U	320	30
106-47-8	4-Chloroaniline	650	U	650	51
59-50-7	4-Chloro-3-methylphenol	320	U	320	34
91-58-7	2-Chloronaphthalene	320	U	320	34
95-57-8	2-Chlorophenol	320	U	320	39
7005-72-3	4-Chlorophenyl phenyl ether	320	U	320	43
91-94-1	3,3'-Dichlorobenzidine	650	U	650	28
120-83-2	2,4-Dichlorophenol	320	U	320	34
84-66-2	Diethyl phthalate	320	U	320	36
105-67-9	2,4-Dimethylphenol	320	U	320	43
131-11-3	Dimethyl phthalate	320	U	320	33
84-74-2	Di-n-butyl phthalate	320	U	320	30
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	170
51-28-5	2,4-Dinitrophenol	1700	U	1700	820
121-14-2	2,4-Dinitrotoluene	320	U	320	48
606-20-2	2,6-Dinitrotoluene	320	U	320	41
117-84-0	Di-n-octyl phthalate	320	U	320	29
118-74-1	Hexachlorobenzene	320	U	320	38
87-68-3	Hexachlorobutadiene	320	U	320	35
77-47-4	Hexachlorocyclopentadiene	320	U	320	40
67-72-1	Hexachloroethane	320	U	320	28
78-59-1	Isophorone	320	U	320	32
95-48-7	2-Methylphenol	320	U	320	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: _____ Lab Sample ID: MB 680-271424/8-A
 Matrix: Solid Lab File ID: gd0519.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.50(g) Date Analyzed: 04/05/2013 16:40
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	320	U	320	42
88-74-4	2-Nitroaniline	1700	U	1700	44
99-09-2	3-Nitroaniline	1700	U	1700	45
100-01-6	4-Nitroaniline	1700	U	1700	48
98-95-3	Nitrobenzene	320	U	320	26
88-75-5	2-Nitrophenol	320	U	320	40
100-02-7	4-Nitrophenol	1700	U	1700	320
621-64-7	N-Nitrosodi-n-propylamine	320	U	320	31
86-30-6	N-Nitrosodiphenylamine	320	U	320	32
87-86-5	Pentachlorophenol	1700	U	1700	320
108-95-2	Phenol	320	U	320	33
95-95-4	2,4,5-Trichlorophenol	320	U	320	34
88-06-2	2,4,6-Trichlorophenol	320	U	320	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	85		58-130
367-12-4	2-Fluorophenol (Surr)	80		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	84		46-130
4165-62-2	Phenol-d5 (Surr)	91		49-130
1718-51-0	Terphenyl-d14 (Surr)	90		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	94		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g040513D.b/gd0519.d
 Lab Smp Id: MB 680-271424/8-A
 Inj Date : 05-APR-2013 16:40
 Operator : LEG Inst ID: MSG5973.i
 Smp Info : MB 680-271424/8-A
 Misc Info :
 Comment :
 Method : /chem/SM/MSG5973.i/1g040513D.b/g-8270D-m.m
 Meth Date : 08-Apr-2013 17:09 campbell Quant Type: ISTD
 Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
 Als bottle: 10 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TL2013.sub
 Target Version: 3.50
 Processing Host: savchem1

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Vo} * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Vo	1000.00000	Sample Extract Volume
A	1000.00000	uL to mL conversion
B	1000.00000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1= if no con
GPC	1.00000	

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/l)
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.013	(1.000)	393510	40.0000		
\$ 5 2-Fluorophenol	112	4.640	4.640	(0.772)	1019947	79.9619	80	
\$ 6 Phenol-d5	99	5.645	5.644	(0.939)	1307757	90.7554	91	
* 20 Naphthalene-d8	136	7.193	7.198	(1.000)	1572319	40.0000		
\$ 21 Nitrobenzene-d5	82	6.537	6.541	(0.909)	1036958	84.4286	84	
* 36 Acenaphthene-d10	164	8.929	8.929	(1.000)	999381	40.0000		
\$ 40 2-Fluorobiphenyl	172	8.166	8.170	(0.914)	2859635	85.1684	85	
\$ 57 2,4,6-Tribromophenol	329	9.859	9.863	(1.104)	493725	93.8794	94	

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/l)	
=====	====	==	=====	=====	=====	=====	=====	
* 58 Phenanthrene-d10	188	10.697	10.702	(1.000)	1788792	40.0000		
* 71 Chrysene-d12	240	13.672	13.677	(1.000)	2029432	40.0000		
\$ 73 Terphenyl-d14	244	12.529	12.534	(0.916)	4315583	89.5658	90	
* 79 Perylene-d12	264	15.483	15.488	(1.000)	2058918	40.0000		

Data File: gd0519.d

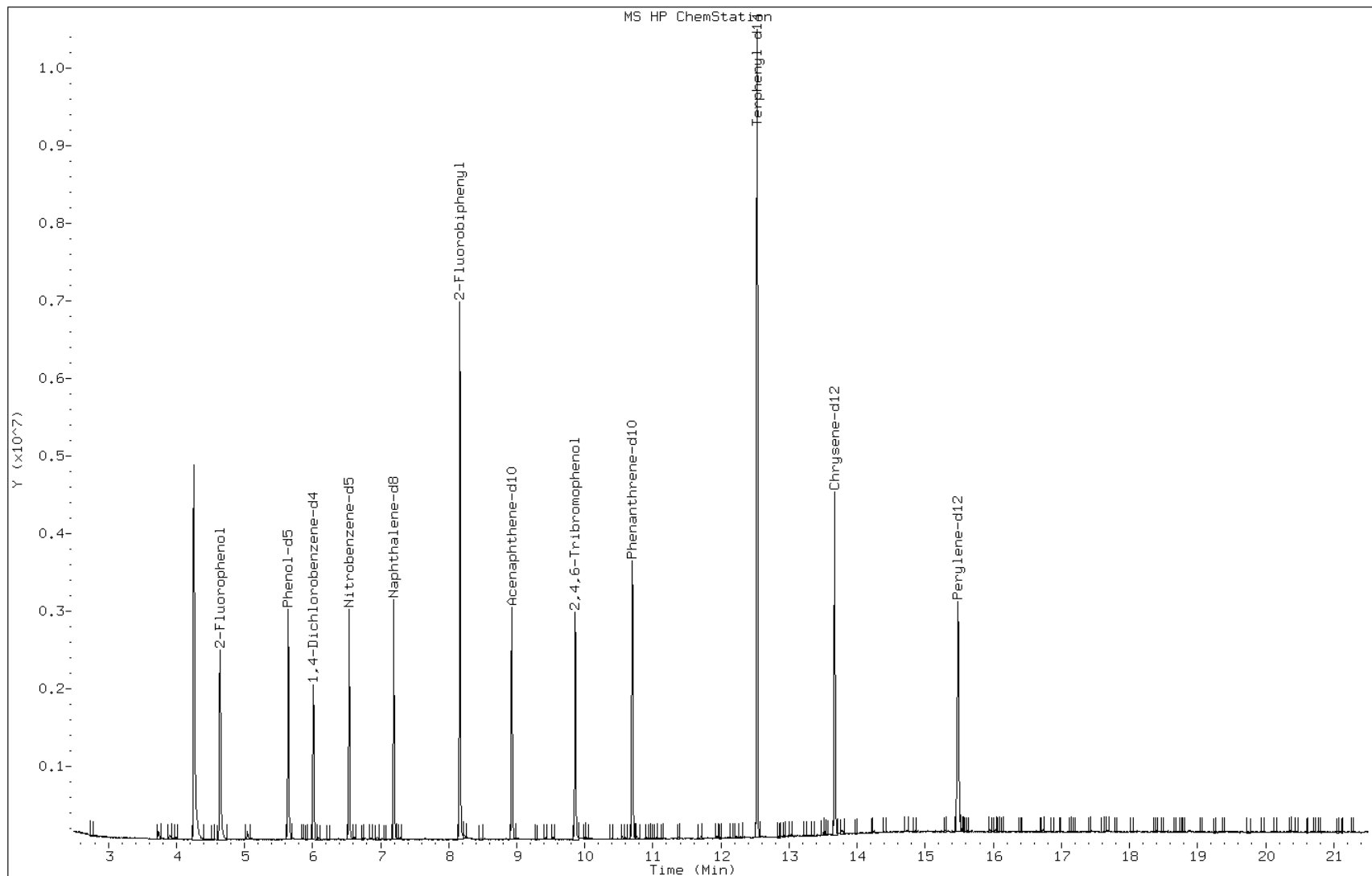
Date: 05-APR-2013 16:40

Client ID:

Instrument: MSG5973.i

Sample Info: MB 680-271424/8-A

Operator: LEG



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: _____ Lab Sample ID: LCS 680-271424/9-A
 Matrix: Solid Lab File ID: gd0520.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.16(g) Date Analyzed: 04/05/2013 17:09
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	2190		330	28
1912-24-9	Atrazine	2580		330	23
100-52-7	Benzaldehyde	1070		330	58
92-52-4	1,1'-Biphenyl	2540		330	740
111-91-1	Bis(2-chloroethoxy)methane	2640		330	39
111-44-4	Bis(2-chloroethyl)ether	2260		330	45
108-60-1	bis(2-chloroisopropyl) ether	2110		330	30
117-81-7	Bis(2-ethylhexyl) phthalate	2800		330	29
101-55-3	4-Bromophenyl phenyl ether	2580		330	36
85-68-7	Butyl benzyl phthalate	3160		330	26
105-60-2	Caprolactam	3260		330	66
86-74-8	Carbazole	2730		330	30
106-47-8	4-Chloroaniline	2230		660	52
59-50-7	4-Chloro-3-methylphenol	2900		330	35
91-58-7	2-Chloronaphthalene	2440		330	35
95-57-8	2-Chlorophenol	2490		330	40
7005-72-3	4-Chlorophenyl phenyl ether	2740		330	44
91-94-1	3,3'-Dichlorobenzidine	2720		660	28
120-83-2	2,4-Dichlorophenol	2800		330	35
84-66-2	Diethyl phthalate	2850		330	37
105-67-9	2,4-Dimethylphenol	2710		330	44
131-11-3	Dimethyl phthalate	2780		330	34
84-74-2	Di-n-butyl phthalate	2660		330	30
534-52-1	4,6-Dinitro-2-methylphenol	3040		1700	170
51-28-5	2,4-Dinitrophenol	3410		1700	830
121-14-2	2,4-Dinitrotoluene	2940		330	49
606-20-2	2,6-Dinitrotoluene	2880		330	42
117-84-0	Di-n-octyl phthalate	3050		330	29
118-74-1	Hexachlorobenzene	2540		330	39
87-68-3	Hexachlorobutadiene	2630		330	36
77-47-4	Hexachlorocyclopentadiene	2300		330	41
67-72-1	Hexachloroethane	2020		330	28
78-59-1	Isophorone	2300		330	33
95-48-7	2-Methylphenol	2650		330	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: _____ Lab Sample ID: LCS 680-271424/9-A
 Matrix: Solid Lab File ID: gd0520.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.16(g) Date Analyzed: 04/05/2013 17:09
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	2680		330	43
88-74-4	2-Nitroaniline	2760		1700	45
99-09-2	3-Nitroaniline	2600		1700	46
100-01-6	4-Nitroaniline	2790		1700	49
98-95-3	Nitrobenzene	2420		330	26
88-75-5	2-Nitrophenol	2730		330	41
100-02-7	4-Nitrophenol	2820		1700	330
621-64-7	N-Nitrosodi-n-propylamine	2640		330	32
86-30-6	N-Nitrosodiphenylamine	2560		330	33
87-86-5	Pentachlorophenol	2850		1700	330
108-95-2	Phenol	2590		330	34
95-95-4	2,4,5-Trichlorophenol	2870		330	35
88-06-2	2,4,6-Trichlorophenol	2670		330	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		58-130
367-12-4	2-Fluorophenol (Surr)	75		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	76		46-130
4165-62-2	Phenol-d5 (Surr)	84		49-130
1718-51-0	Terphenyl-d14 (Surr)	89		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	97		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g040513D.b/gd0520.d
 Lab Smp Id: LCS 680-271424/9-A
 Inj Date : 05-APR-2013 17:09
 Operator : LEG
 Smp Info : LCS 680-271424/9-A
 Misc Info :
 Comment :
 Method : /chem/SM/MSG5973.i/1g040513D.b/g-8270D-m.m
 Meth Date : 08-Apr-2013 17:09 campbell Quant Type: ISTD
 Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
 Als bottle: 11 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TL2013.sub
 Target Version: 3.50
 Processing Host: savchem1

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Vo} * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Vo	1000.00000	Sample Extract Volume
A	1000.00000	uL to mL conversion
B	1000.00000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1= if no con
GPC	1.00000	

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/l)
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.013	(1.000)	574266	40.0000		
2 1,4-Dioxane	88	2.648	2.653	(0.440)	195397	23.3570	23	
3 Pyridine	79	3.054	3.054	(0.508)	662811	31.2479	31	
4 N-Nitrosodimethylamine	42	2.990	2.989	(0.497)	795077	58.6446	59	
\$ 5 2-Fluorophenol	112	4.640	4.640	(0.772)	1401571	75.2945	75	
\$ 6 Phenol-d5	99	5.644	5.644	(0.939)	1770631	84.2008	84	
7 Aniline	93	5.682	5.687	(0.945)	1441132	56.0885	56	
8 Phenol	94	5.660	5.660	(0.941)	1883072	78.2249	78	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/l)
9 Bis(2-chloroethyl)ether	63	5.746	5.745	(0.956)	1064257	68.0179	68
10 2-Chlorophenol	128	5.804	5.810	(0.965)	1494702	75.0164	75
11 1,3-Dichlorobenzene	146	5.959	5.959	(0.991)	1484926	61.7582	62
12 1,4-Dichlorobenzene	146	6.029	6.034	(1.003)	1438679	64.2269	64
13 Benzyl Alcohol	108	6.146	6.146	(1.022)	944923	74.1399	74
14 1,2-Dichlorobenzene	146	6.178	6.183	(1.028)	1424744	65.0584	65
15 2-Methylphenol	107	6.253	6.253	(1.040)	1158066	79.9271	80
16 bis (2-Chloroisopropyl) ether	45	6.274	6.274	(1.044)	2091610	63.5974	64
17 N-Nitroso-di-n-propylamine	70	6.397	6.397	(1.064)	838644	79.6680	80
18 3&4-Methylphenol	107	6.397	6.397	(1.064)	1607456	80.8580	81
19 Hexachloroethane	117	6.504	6.504	(1.082)	483385	60.8787	61
* 20 Naphthalene-d8	136	7.193	7.198	(1.000)	2266556	40.0000	
\$ 21 Nitrobenzene-d5	82	6.541	6.541	(0.909)	1342144	75.8057	76
22 Nitrobenzene	77	6.557	6.557	(0.912)	1240089	73.0252	73
23 Isophorone	82	6.771	6.776	(0.941)	2419269	69.3107	69
24 2-Nitrophenol	139	6.851	6.851	(0.952)	868089	82.4785	82
25 2,4-Dimethylphenol	122	6.883	6.883	(0.957)	1362944	81.6836	82
26 Bis(2-chloroethoxy)methane	93	6.963	6.963	(0.968)	1575982	79.5246	80
27 Benzoic acid	105	6.974	6.963	(0.970)	1017038	86.0563	86
28 2,4-Dichlorophenol	162	7.065	7.070	(0.982)	1450272	84.3164	84
29 1,2,4-Trichlorobenzene	180	7.145	7.145	(0.993)	1459006	73.2745	73
30 Naphthalene	128	7.214	7.214	(1.003)	3927198	74.4825	74
31 4-Chloroaniline	127	7.257	7.257	(1.009)	1467806	67.3211	67
32 Hexachlorobutadiene	225	7.327	7.326	(1.019)	980478	79.4190	79
33 4-Chloro-3-methylphenol	107	7.674	7.674	(1.067)	1314545	87.5383	88
34 2-Methylnaphthalene	142	7.823	7.823	(1.088)	3035020	78.0139	78
35 1-Methylnaphthalene	142	7.919	7.919	(1.101)	2844250	78.0146	78
* 36 Acenaphthene-d10	164	8.929	8.929	(1.000)	1515873	40.0000	
37 Hexachlorocyclopentadiene	237	7.978	7.978	(0.894)	1107904	69.3858	69
38 2,4,6-Trichlorophenol	196	8.090	8.090	(0.906)	1211787	80.4503	80
39 2,4,5-Trichlorophenol	196	8.128	8.128	(0.910)	1332841	86.4575	86
\$ 40 2-Fluorobiphenyl	172	8.165	8.170	(0.914)	3771384	74.0520	74
41 2-Chloronaphthalene	162	8.299	8.304	(0.929)	3052490	73.4530	73
42 2-Nitroaniline	65	8.400	8.400	(0.941)	948374	83.1323	83
43 Dimethylphthalate	163	8.587	8.587	(0.962)	4101419	83.8220	84
44 2,6-Dinitrotoluene	165	8.662	8.656	(0.970)	919497	86.9106	87
45 Acenaphthylene	152	8.763	8.769	(0.981)	5128172	78.7313	79
46 3-Nitroaniline	138	8.859	8.859	(0.992)	916329	78.5057	79
47 Acenaphthene	154	8.966	8.966	(1.004)	3083357	78.8852	79
48 2,4-Dinitrophenol	184	8.977	8.977	(1.005)	575918	102.886	100(Q)
49 4-Nitrophenol	65	9.036	9.036	(1.012)	677505	84.9797	85
50 Dibenzofuran	168	9.169	9.169	(1.027)	4577039	77.9265	78
51 2,4-Dinitrotoluene	165	9.132	9.132	(1.023)	1248037	88.6208	89
53 Diethylphthalate	149	9.410	9.409	(1.054)	3897358	85.8662	86
54 Fluorene	166	9.575	9.575	(1.072)	3605284	79.0064	79
55 4-Chlorophenyl-phenylether	204	9.559	9.564	(1.071)	2184790	82.7859	83
56 4-Nitroaniline	138	9.586	9.586	(1.074)	926163	84.0683	84

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/l)
=====	====	==	=====	=====	=====	=====	=====
\$ 57 2,4,6-Tribromophenol	329	9.864	9.863	(1.105)	771526	96.7172	97
* 58 Phenanthrene-d10	188	10.702	10.702	(1.000)	2855157	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.623	9.623	(0.899)	881028	91.5986	92
60 N-Nitrosodiphenylamine	169	9.698	9.703	(0.906)	3130081	77.1858	77
61 1,2-Diphenylhydrazine	77	9.751	9.751	(0.911)	3052051	69.4180	69
62 4-Bromophenyl-phenylether	248	10.152	10.157	(0.949)	1442883	77.6733	78
63 Hexachlorobenzene	284	10.248	10.248	(0.958)	1471671	76.5529	77
64 Pentachlorophenol	266	10.472	10.472	(0.979)	1036961	86.0093	86
65 Phenanthrene	178	10.729	10.729	(1.002)	5733842	77.7388	78
66 Anthracene	178	10.788	10.793	(1.008)	5733147	73.9386	74
67 Carbazole	167	10.975	10.974	(1.025)	5999290	82.3483	82
68 Di-n-Butylphthalate	149	11.380	11.380	(1.063)	6767015	80.1349	80
69 Fluoranthene	202	12.112	12.112	(1.132)	7095725	78.2433	78
70 Benzidine	184	12.256	12.256	(0.896)	100728	2.85881	2.9(aR)
* 71 Chrysene-d12	240	13.677	13.677	(1.000)	2821842	40.0000	
72 Pyrene	202	12.369	12.368	(0.904)	7257422	86.1513	86
\$ 73 Terphenyl-d14	244	12.534	12.534	(0.916)	5974435	89.1746	89
74 Butylbenzylphthalate	149	13.058	13.057	(0.955)	3269564	95.3884	95
75 3,3'-Dichlorobenzidine	252	13.629	13.629	(0.996)	2564099	82.0445	82
76 Benzo(a)Anthracene	228	13.666	13.661	(0.999)	6646460	82.6878	83
77 Bis(2-ethylhexyl)phthalate	149	13.661	13.661	(0.999)	3652781	84.3111	84
78 Chrysene	228	13.704	13.704	(1.002)	6836037	88.0069	88
* 79 Perylene-d12	264	15.488	15.488	(1.000)	3363339	40.0000	
80 Di-n-octylphthalate	149	14.377	14.382	(1.051)	7339591	91.9307	92
81 Benzo(b)fluoranthene	252	14.948	14.943	(0.965)	7928103	81.9514	82
82 Benzo(k)fluoranthene	252	14.986	14.980	(0.968)	7301342	76.6220	77
83 Benzo(a)pyrene	252	15.408	15.407	(0.995)	7426057	86.8881	87
84 Indeno(1,2,3-cd)pyrene	276	17.357	17.357	(1.269)	8595286	86.0757	86
85 Dibenzo(a,h)anthracene	278	17.384	17.384	(1.122)	7560183	82.3563	82
86 Benzo(g,h,i)perylene	276	17.934	17.923	(1.158)	7874316	82.1857	82
89 Acetophenone	105	6.397	6.397	(0.889)	1442721	65.9555	66
90 Benzaldehyde	77	5.575	5.575	(0.927)	286155	32.2845	32
91 1,1-Biphenyl	154	8.272	8.272	(0.926)	3937794	76.6063	77
92 Caprolactam	113	7.567	7.551	(1.052)	587488	98.1827	98
93 Atrazine	200	10.339	10.339	(0.966)	1215491	77.8253	78
M 88 MethylPhenols,Total	100				2765523	160.785	160

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: gd0520.d

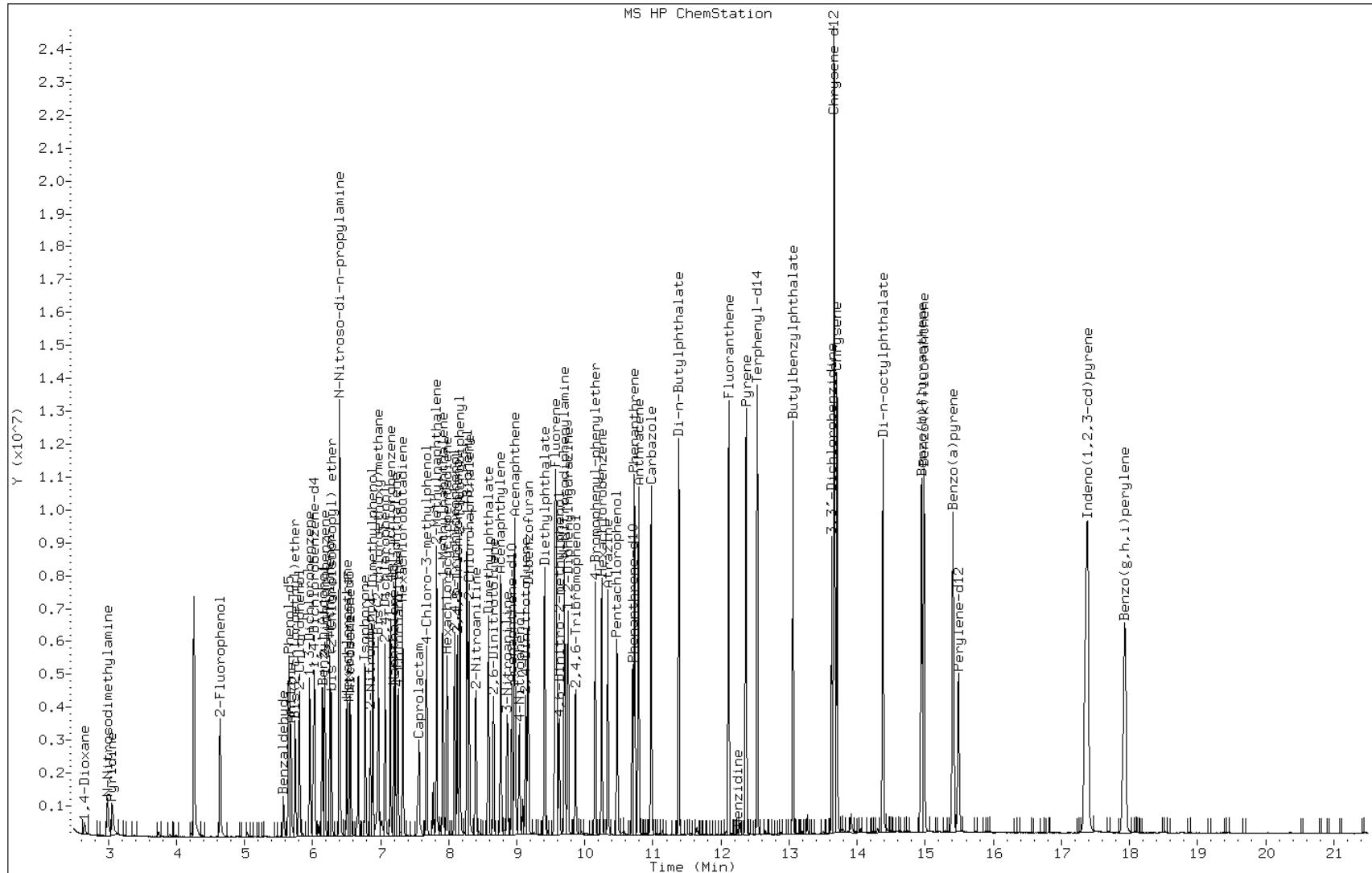
Date: 05-APR-2013 17:09

Client ID:

Instrument: MSG5973.i

Sample Info: LCS 680-271424/9-A

Operator: LEG



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS MS Lab Sample ID: 680-88767-15 MS
 Matrix: Solid Lab File ID: gd0532.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.39(g) Date Analyzed: 04/05/2013 23:02
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	460	U	460	39
1912-24-9	Atrazine	460	U	460	32
100-52-7	Benzaldehyde	146	J	460	82
92-52-4	1,1'-Biphenyl	460	U	460	1000
111-91-1	Bis(2-chloroethoxy)methane	460	U	460	55
111-44-4	Bis(2-chloroethyl)ether	460	U	460	63
108-60-1	bis(2-chloroisopropyl) ether	460	U	460	42
117-81-7	Bis(2-ethylhexyl) phthalate	156	J	460	41
101-55-3	4-Bromophenyl phenyl ether	460	U	460	51
85-68-7	Butyl benzyl phthalate	460	U	460	37
105-60-2	Caprolactam	460	U	460	93
86-74-8	Carbazole	58.2	J	460	42
106-47-8	4-Chloroaniline	930	U	930	73
59-50-7	4-Chloro-3-methylphenol	460	U	460	49
91-58-7	2-Chloronaphthalene	460	U	460	49
95-57-8	2-Chlorophenol	460	U	460	56
7005-72-3	4-Chlorophenyl phenyl ether	460	U	460	62
91-94-1	3,3'-Dichlorobenzidine	930	U	930	39
120-83-2	2,4-Dichlorophenol	460	U	460	49
84-66-2	Diethyl phthalate	460	U	460	52
105-67-9	2,4-Dimethylphenol	460	U	460	62
131-11-3	Dimethyl phthalate	460	U	460	48
84-74-2	Di-n-butyl phthalate	460	U	460	42
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	240
51-28-5	2,4-Dinitrophenol	2400	U	2400	1200
121-14-2	2,4-Dinitrotoluene	460	U	460	69
606-20-2	2,6-Dinitrotoluene	460	U	460	59
117-84-0	Di-n-octyl phthalate	460	U	460	41
118-74-1	Hexachlorobenzene	460	U	460	55
87-68-3	Hexachlorobutadiene	460	U	460	51
77-47-4	Hexachlorocyclopentadiene	460	U	460	58
67-72-1	Hexachloroethane	460	U	460	39
78-59-1	Isophorone	460	U	460	46
95-48-7	2-Methylphenol	460	U	460	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS MS Lab Sample ID: 680-88767-15 MS
 Matrix: Solid Lab File ID: gd0532.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.39(g) Date Analyzed: 04/05/2013 23:02
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	460	U	460	61
88-74-4	2-Nitroaniline	2400	U	2400	63
99-09-2	3-Nitroaniline	2400	U	2400	65
100-01-6	4-Nitroaniline	2400	U	2400	69
98-95-3	Nitrobenzene	460	U	460	37
88-75-5	2-Nitrophenol	460	U	460	58
100-02-7	4-Nitrophenol	2400	U	2400	460
621-64-7	N-Nitrosodi-n-propylamine	460	U	460	45
86-30-6	N-Nitrosodiphenylamine	460	U	460	46
87-86-5	Pentachlorophenol	2400	U	2400	460
108-95-2	Phenol	460	U	460	48
95-95-4	2,4,5-Trichlorophenol	460	U	460	49
88-06-2	2,4,6-Trichlorophenol	460	U	460	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	67		58-130
367-12-4	2-Fluorophenol (Surr)	50		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	74		46-130
4165-62-2	Phenol-d5 (Surr)	71		49-130
1718-51-0	Terphenyl-d14 (Surr)	63		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	63		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g040513D.b/gd0532.d
 Lab Smp Id: 680-88767-B-15-B MS Client Smp ID: CV0509G-CS
 Inj Date : 05-APR-2013 23:02
 Operator : LEG Inst ID: MSG5973.i
 Smp Info : 680-88767-B-15-B MS
 Misc Info : 680-88767-B-15-B MS
 Comment :
 Method : /chem/SM/MSG5973.i/1g040513D.b/g-8270D-m.m
 Meth Date : 08-Apr-2013 17:09 campbell Quant Type: ISTD
 Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
 Als bottle: 23 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TLA92013.sub
 Target Version: 3.50

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.39000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv
GPC	1.00000	GPC FACTOR

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.013	(1.000)	208445	40.0000		
\$ 5 2-Fluorophenol	112	4.646	4.640	(0.773)	337575	49.9620	1600	
\$ 6 Phenol-d5	99	5.644	5.644	(0.939)	541575	70.9526	2300	
* 20 Naphthalene-d8	136	7.193	7.199	(1.000)	849665	40.0000		
\$ 21 Nitrobenzene-d5	82	6.536	6.541	(0.909)	491410	74.0398	2400	
34 2-Methylnaphthalene	142	7.823	7.823	(1.088)	33696	2.31051	76(aRH)	
35 1-Methylnaphthalene	142	7.914	7.919	(1.100)	27229	1.99232	66(aR)	
* 36 Acenaphthene-d10	164	8.924	8.929	(1.000)	639037	40.0000		

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
\$ 40 2-Fluorobiphenyl	172	8.165	8.170	(0.915)	1432537	66.7235	2200
45 Acenaphthylene	152	8.763	8.769	(0.982)	20046	0.73004	24(aR)
\$ 57 2,4,6-Tribromophenol	329	9.858	9.863	(1.105)	213390	63.4547	2100
* 58 Phenanthrene-d10	188	10.697	10.697	(1.000)	1192208	40.0000	
64 Pentachlorophenol	266	10.494	10.472	(0.981)	10207	2.02749	67(aR)
65 Phenanthrene	178	10.724	10.729	(1.002)	244327	7.93308	260(aR)
66 Anthracene	178	10.788	10.793	(1.008)	56631	1.74908	58(aR)
67 Carbazole	167	10.969	10.974	(1.025)	37733	1.24038	41(aR)
69 Fluoranthene	202	12.107	12.112	(1.132)	599113	15.8211	520(R)
* 71 Chrysene-d12	240	13.672	13.672	(1.000)	1489927	40.0000	
72 Pyrene	202	12.363	12.368	(0.904)	532149	11.9641	390(R)
\$ 73 Terphenyl-d14	244	12.529	12.534	(0.916)	2218574	62.7171	2100
74 Butylbenzylphthalate	149	13.052	13.057	(0.955)	9004	0.49752	16(aQR)
76 Benzo(a)Anthracene	228	13.661	13.661	(0.999)	400522	9.43725	310(aRH)
77 Bis(2-ethylhexyl)phthalate	149	13.656	13.661	(0.999)	75895	3.31774	110(aR)
78 Chrysene	228	13.699	13.704	(1.002)	405551	9.88839	330(R)
* 79 Perylene-d12	264	15.483	15.488	(1.000)	1572160	40.0000	
81 Benzo(b)fluoranthene	252	14.938	14.943	(0.965)	964665	21.3323	700(R)
83 Benzo(a)pyrene	252	15.397	15.407	(0.994)	350264	8.76742	290(aR)
84 Indeno(1,2,3-cd)pyrene	276	17.341	17.357	(1.268)	280770	5.32524	180(aR)
86 Benzo(g,h,i)perylene	276	17.907	17.923	(1.157)	276319	6.16976	200(aR)
87 Dinoseb	211	10.686	10.691	(0.999)	354953	59.1621	1900
89 Acetophenone	105	6.392	6.397	(0.889)	5825	0.71037	23(aQ)
90 Benzaldehyde	77	5.569	5.575	(0.926)	10016	3.11321	100(a)
94 2-Picoline	93	3.962	3.962	(0.659)	319984	43.5163	1400
95 N-Nitrosomethylethylamine	88	4.074	4.074	(0.678)	187696	63.8955	2100
96 Methyl methanesulfonate	80	4.443	4.443	(0.739)	123602	34.7054	1100
97 N-Nitrosodiethylamine	102	4.891	4.897	(0.813)	213503	69.2542	2300(Q)
98 Ethyl methanesulfonate	79	5.217	5.217	(0.868)	281905	62.8017	2100
100 N-Nitrosomorpholine	56	6.403	6.403	(1.065)	343227	94.3652	3100
99 N-Nitrosopyrrolidine	100	6.365	6.371	(0.885)	271364	88.8582	2900(MH)
101 O-Toluidine	106	6.429	6.430	(0.894)	278174	27.7771	910
102 2,6-Dimethylphenol	107	6.659	6.659	(1.107)	88358	16.2137	530
103 N-Nitrosopiperidine	114	6.691	6.697	(0.930)	264993	78.6671	2600
104 1,2,3-Trichlorobenzene	180	6.862	6.868	(1.141)	538644	76.1603	2500
105 2,5-Dimethylphenol	107	6.899	6.900	(1.147)	275964	49.8791	1600
106 O,O,O-Triethylphosphorothioat	65	6.937	6.937	(0.964)	133633	68.9723	2300
107 2,3-Dimethylphenol	107	7.065	7.065	(1.175)	329751	51.8934	1700
108 3,4-Dimethylphenol	107	7.150	7.151	(1.189)	412115	59.0932	1900
112 a,a-Dimethylphenethylamine	58	7.118	7.119	(0.990)	338667	24.7562	810
113 N-nitrosodi-n-butylamine	84	7.535	7.541	(1.048)	338580	80.0487	2600
111 Hexachloropropene	213	7.295	7.295	(1.014)	190052	34.1502	1100
110 1,3,5-Trichlorobenzene	180	7.343	7.343	(1.221)	535311	85.0522	2800
109 2,6-Dichlorophenol	162	7.268	7.268	(1.010)	356466	55.8544	1800
115 Safrole	162	7.733	7.733	(1.075)	489482	75.7934	2500
118 Isosafrole	162	8.224	8.224	(1.143)	491830	76.1626	2500
117 1,2,4,5-Tetrachlorobenzene	216	7.984	7.984	(0.895)	648462	65.3448	2200

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/Kg)
120 1,4-Naphthoquinone	158	====	8.475	8.481	(0.950)	84812	13.4543	440
121 m-Dinitrobenzene	168	====	8.619	8.625	(0.966)	255294	79.0578	2600
122 2,5-Dinitrophenol	184	====	8.731	8.732	(1.452)	167894	62.2839	2000
123 3-Nitrophenol	139	====	8.705	8.700	(1.448)	382575	113.068	3700
124 Pentachlorobenzene	250	====	9.121	9.127	(1.022)	657147	72.9930	2400
125 1-Naphthylamine	143	====	9.255	9.250	(1.037)	11476	0.66613	22(aQ)
126 2-Naphthylamine	143	====	9.340	9.346	(1.047)	157862	9.11727	300(a)
128 5-Nitro-o-toluidine	152	====	9.570	9.570	(1.072)	442515	74.5987	2500
129 Sulfotepp	97	====	9.874	9.874	(0.923)	167049	62.2233	2000
133 Phenacetin	108	====	10.056	10.062	(1.127)	569656	72.4751	2400
130 1,3,5-Trinitrobenzene	213	====	9.997	9.997	(1.663)	171451	85.3130	2800
131 1-Diallate	86	====	10.045	10.046	(0.939)	417413	61.7021	2000(MH)
134 2-Diallate	86	====	10.152	10.158	(0.949)	63880	60.0039	2000
138 Pentachloronitrobenzene	237	====	10.494	10.494	(0.981)	217693	71.9889	2400
136 4-Aminobiphenyl	169	====	10.462	10.462	(0.978)	390484	15.2317	500
137 Pronamide	173	====	10.531	10.537	(0.985)	663639	69.3182	2300
141 4-Nitroquinoline-1-oxide	190	====	11.626	11.626	(1.087)	146970	38.6494	1300
143 Methapyrilene	97	====	11.717	11.723	(1.095)	1724629	177.734	5800(MH)
144 Aramite-1	185	====	12.497	12.502	(0.914)	148742	68.3760	2200(Q)
145 Aramite-2	185	====	12.582	12.588	(0.920)	187201	67.3382	2200(MH)
146 p-Dimethylaminoazobenzene	120	====	12.684	12.684	(0.928)	625036	65.9805	2200
149 2-Acetylaminofluorene	181	====	13.314	13.320	(0.974)	1096801	69.3332	2300
150 7,12-Dimethylbenz(a)anthracene	256	====	14.922	14.927	(0.964)	1457997	66.6760	2200(MH)
152 3-Methylcholanthrene	268	====	15.926	15.937	(1.029)	1215689	51.0374	1700(MH)
52 2,3,4,6-Tetrachlorophenol	232	====	9.308	9.308	(1.043)	395133	71.4726	2400
151 Hexachlorophene	196	====	15.162	15.178	(0.979)	232266	97.9971	3200(MH)
127 Thionazin	107	====	9.501	9.501	(0.888)	191701	67.8710	2200
135 Dimethoate	87	====	10.254	10.254	(0.959)	392130	66.9771	2200
139 Disulfoton	88	====	10.681	10.686	(0.999)	407054	48.8474	1600
147 Famphur	218	====	12.994	12.999	(1.215)	663262	43.6859	1400
140 Methyl parathion	109	====	11.130	11.135	(1.040)	334596	65.9161	2200
142 Parathion	109	====	11.589	11.589	(1.083)	233284	77.8060	2600
132 Phorate	75	====	10.051	10.056	(0.940)	603865	62.7886	2100
M 153 Aramite, Total	100	====				335943	102.465	3400
M 154 Diallate	100	====				481293	61.4711	2000
268 alpha-Pinene	93	====	5.318	5.319	(0.885)	243190	34.0044	1100
119 Phenyl Ether	170	====	8.374	8.379	(0.938)	869234	68.5117	2300
265 4-Chlorophenol	128	====	7.161	7.161	(0.802)	606635	74.4564	2500
266 2,3,6-Trichlorophenol	196	====	8.277	8.278	(1.151)	336983	68.5901	2300
M 264 2,4 & 2,5-Dimethylphenol	100	====				275964	49.8791	1600

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: gd0532.d

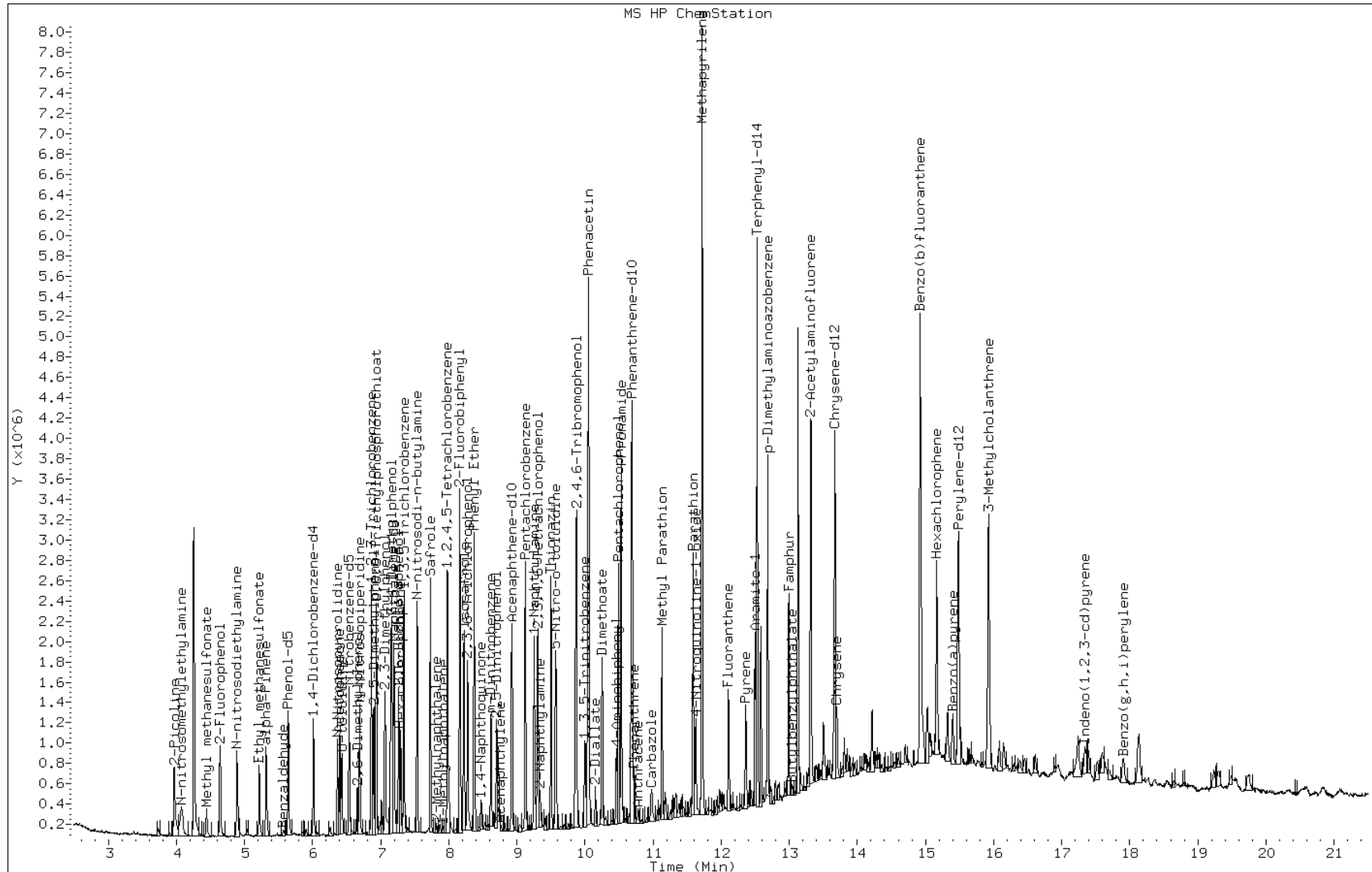
Date: 05-APR-2013 23:02

Client ID: CV0509G-CS

Instrument: MSG5973.i

Sample Info: 680-88767-B-15-B MS

Operator: LEG



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS MSD Lab Sample ID: 680-88767-15 MSD
 Matrix: Solid Lab File ID: gd0533.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.13(g) Date Analyzed: 04/05/2013 23:32
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	470	U	470	40
1912-24-9	Atrazine	470	U	470	33
100-52-7	Benzaldehyde	142	J	470	82
92-52-4	1,1'-Biphenyl	470	U	470	1100
111-91-1	Bis(2-chloroethoxy)methane	470	U	470	55
111-44-4	Bis(2-chloroethyl)ether	470	U	470	64
108-60-1	bis(2-chloroisopropyl) ether	470	U	470	43
117-81-7	Bis(2-ethylhexyl) phthalate	223	J	470	41
101-55-3	4-Bromophenyl phenyl ether	470	U	470	51
85-68-7	Butyl benzyl phthalate	470	U	470	37
105-60-2	Caprolactam	470	U	470	94
86-74-8	Carbazole	58.7	J	470	43
106-47-8	4-Chloroaniline	940	U	940	74
59-50-7	4-Chloro-3-methylphenol	470	U	470	50
91-58-7	2-Chloronaphthalene	470	U	470	50
95-57-8	2-Chlorophenol	470	U	470	57
7005-72-3	4-Chlorophenyl phenyl ether	470	U	470	63
91-94-1	3,3'-Dichlorobenzidine	940	U	940	40
120-83-2	2,4-Dichlorophenol	470	U	470	50
84-66-2	Diethyl phthalate	470	U	470	53
105-67-9	2,4-Dimethylphenol	470	U	470	63
131-11-3	Dimethyl phthalate	470	U	470	48
84-74-2	Di-n-butyl phthalate	470	U	470	43
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	240
51-28-5	2,4-Dinitrophenol	2400	U	2400	1200
121-14-2	2,4-Dinitrotoluene	470	U	470	70
606-20-2	2,6-Dinitrotoluene	470	U	470	60
117-84-0	Di-n-octyl phthalate	470	U	470	41
118-74-1	Hexachlorobenzene	470	U	470	55
87-68-3	Hexachlorobutadiene	470	U	470	51
77-47-4	Hexachlorocyclopentadiene	470	U	470	58
67-72-1	Hexachloroethane	470	U	470	40
78-59-1	Isophorone	470	U	470	47
95-48-7	2-Methylphenol	470	U	470	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Client Sample ID: CV0509G-CS MSD Lab Sample ID: 680-88767-15 MSD
 Matrix: Solid Lab File ID: gd0533.d
 Analysis Method: 8270D Date Collected: 03/26/2013 09:58
 Extract. Method: 3546 Date Extracted: 04/01/2013 18:43
 Sample wt/vol: 30.13(g) Date Analyzed: 04/05/2013 23:32
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 272369 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	470	U	470	61
88-74-4	2-Nitroaniline	2400	U	2400	64
99-09-2	3-Nitroaniline	2400	U	2400	65
100-01-6	4-Nitroaniline	2400	U	2400	70
98-95-3	Nitrobenzene	470	U	470	37
88-75-5	2-Nitrophenol	470	U	470	58
100-02-7	4-Nitrophenol	2400	U	2400	470
621-64-7	N-Nitrosodi-n-propylamine	470	U	470	45
86-30-6	N-Nitrosodiphenylamine	470	U	470	47
87-86-5	Pentachlorophenol	2400	U	2400	470
108-95-2	Phenol	470	U	470	48
95-95-4	2,4,5-Trichlorophenol	470	U	470	50
88-06-2	2,4,6-Trichlorophenol	470	U	470	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	69		58-130
367-12-4	2-Fluorophenol (Surr)	53		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	77		46-130
4165-62-2	Phenol-d5 (Surr)	74		49-130
1718-51-0	Terphenyl-d14 (Surr)	72		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	71		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MSG5973.i/1g040513D.b/gd0533.d
 Lab Smp Id: 680-88767-B-15-C MS
 Inj Date : 05-APR-2013 23:32
 Operator : LEG Inst ID: MSG5973.i
 Smp Info : 680-88767-B-15-C MSD
 Misc Info :
 Comment :
 Method : /chem/SM/MSG5973.i/1g040513D.b/g-8270D-m.m
 Meth Date : 08-Apr-2013 17:09 campbell Quant Type: ISTD
 Cal Date : 03-APR-2013 21:50 Cal File: gd0322q.d
 Als bottle: 24 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TLA92013.sub
 Target Version: 3.50

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.00000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv
GPC	1.00000	GPC FACTOR

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.013	(1.000)	324677	40.0000		
\$ 5 2-Fluorophenol	112	4.645	4.640	(0.773)	554043	52.6445	1800	
\$ 6 Phenol-d5	99	5.650	5.644	(0.940)	875962	73.6775	2500	
* 20 Naphthalene-d8	136	7.193	7.199	(1.000)	1206556	40.0000		
\$ 21 Nitrobenzene-d5	82	6.536	6.541	(0.909)	723728	76.7886	2600	
34 2-Methylnaphthalene	142	7.823	7.823	(1.088)	43133	2.08276	69(aR)	
35 1-Methylnaphthalene	142	7.914	7.919	(1.100)	33810	1.74210	58(aR)	
* 36 Acenaphthene-d10	164	8.929	8.929	(1.000)	912937	40.0000		

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
=====	====	==	=====	=====	=====	=====	=====	
\$ 40 2-Fluorobiphenyl	172	8.165	8.170	(0.914)	2130089	69.4474	2300	
47 Acenaphthene	154	8.966	8.966	(1.004)	12966	0.55081	18(aRH)	
\$ 57 2,4,6-Tribromophenol	329	9.864	9.863	(1.105)	340532	70.8815	2400	
* 58 Phenanthrene-d10	188	10.697	10.697	(1.000)	1616613	40.0000		
65 Phenanthrene	178	10.729	10.729	(1.003)	339864	8.13807	270(aR)	
66 Anthracene	178	10.788	10.793	(1.008)	78605	1.79041	60(aR)	
67 Carbazole	167	10.975	10.974	(1.026)	51146	1.23991	41(aR)	
69 Fluoranthene	202	12.112	12.112	(1.132)	795259	15.4876	520(R)	
* 71 Chrysene-d12	240	13.672	13.672	(1.000)	2024059	40.0000		
72 Pyrene	202	12.363	12.368	(0.904)	717986	11.8824	400(R)	
\$ 73 Terphenyl-d14	244	12.529	12.534	(0.916)	3462050	72.0423	2400	
74 Butylbenzylphthalate	149	13.058	13.057	(0.955)	18169	0.73900	25(aQR)	
76 Benzo(a)Anthracene	228	13.661	13.661	(0.999)	476824	8.27026	280(aR)	
77 Bis(2-ethylhexyl)phthalate	149	13.656	13.661	(0.999)	146400	4.71098	160(aR)	
78 Chrysene	228	13.699	13.704	(1.002)	523155	9.38971	310(aR)	
* 79 Perylene-d12	264	15.488	15.488	(1.000)	2111358	40.0000		
81 Benzo(b)fluoranthene	252	14.943	14.943	(0.965)	1042554	17.1670	570(RM)	
82 Benzo(k)fluoranthene	252	14.975	14.980	(0.967)	262535	4.38882	150(aRMH)	
83 Benzo(a)pyrene	252	15.402	15.407	(0.994)	453987	8.46164	280(aR)	
84 Indeno(1,2,3-cd)pyrene	276	17.352	17.357	(1.269)	401635	5.60740	190(aR)	
86 Benzo(g,h,i)perylene	276	17.918	17.923	(1.157)	378621	6.29502	210(aR)	
87 Dinoseb	211	10.686	10.691	(0.999)	575074	70.6874	2400	
89 Acetophenone	105	6.397	6.397	(0.889)	8336	0.71589	24(aQ)	
90 Benzaldehyde	77	5.569	5.575	(0.926)	15067	3.00663	100(a)	
94 2-Picoline	93	3.967	3.962	(0.660)	471253	41.1451	1400	
95 N-Nitrosomethylethylamine	88	4.074	4.074	(0.678)	278968	60.9691	2000	
96 Methyl methanesulfonate	80	4.442	4.443	(0.739)	199556	35.9729	1200	
97 N-Nitrosodiethylamine	102	4.891	4.897	(0.813)	325635	67.8130	2300(Q)	
98 Ethyl methanesulfonate	79	5.217	5.217	(0.868)	442443	63.2799	2100	
100 N-Nitrosomorpholine	56	6.403	6.403	(1.065)	517983	91.4294	3000	
99 N-Nitrosopyrrolidine	100	6.365	6.371	(0.885)	387391	89.3295	3000(Q)	
101 O-Toluidine	106	6.429	6.430	(0.894)	438278	30.8191	1000	
102 2,6-Dimethylphenol	107	6.659	6.659	(1.107)	126928	14.9532	500	
103 N-Nitrosopiperidine	114	6.691	6.697	(0.930)	388484	81.2142	2700	
104 1,2,3-Trichlorobenzene	180	6.862	6.868	(1.141)	810236	73.5493	2500	
105 2,5-Dimethylphenol	107	6.899	6.900	(1.147)	384228	44.5857	1500	
106 O,O,O-Triethylphosphorothioat	65	6.937	6.937	(0.964)	198681	72.2134	2400	
107 2,3-Dimethylphenol	107	7.065	7.065	(1.175)	479770	48.4729	1600	
108 3,4-Dimethylphenol	107	7.150	7.151	(1.189)	611845	56.3249	1900	
112 a,a-Dimethylphenethylamine	58	7.092	7.119	(0.986)	565319	29.1008	970	
113 N-nitrosodi-n-butylamine	84	7.535	7.541	(1.048)	494774	82.3759	2700	
111 Hexachloropropene	213	7.295	7.295	(1.014)	294621	37.2808	1200	
110 1,3,5-Trichlorobenzene	180	7.343	7.343	(1.221)	800803	81.6855	2700	
109 2,6-Dichlorophenol	162	7.268	7.268	(1.010)	532960	58.8077	2000	
115 Safrole	162	7.733	7.733	(1.075)	726253	79.1923	2600	
118 Isosafrole	162	8.224	8.224	(1.143)	738391	80.5218	2700	
117 1,2,4,5-Tetrachlorobenzene	216	7.984	7.984	(0.894)	990712	69.8810	2300	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
120 1,4-Naphthoquinone	158	8.480	8.481	(0.950)	121064	13.4433	450
121 m-Dinitrobenzene	168	8.625	8.625	(0.966)	382256	82.8598	2800
122 2,5-Dinitrophenol	184	8.731	8.732	(1.452)	290126	69.0983	2300
123 3-Nitrophenol	139	8.710	8.700	(1.449)	620977	117.825	3900
124 Pentachlorobenzene	250	9.127	9.127	(1.022)	1005402	78.1706	2600
126 2-Naphthylamine	143	9.346	9.346	(1.047)	224891	9.09168	300(a)
128 5-Nitro-o-toluidine	152	9.570	9.570	(1.072)	677781	79.9793	2700
129 Sulfotepp	97	9.874	9.874	(0.923)	256264	70.3952	2300
133 Phenacetin	108	10.061	10.062	(1.127)	869907	77.4701	2600
130 1,3,5-Trinitrobenzene	213	10.008	9.997	(1.536)	269066	85.8848	2900(MH)
131 1-Diallate	86	10.045	10.046	(0.939)	627354	68.3900	2300(M)
134 2-Diallate	86	10.152	10.158	(0.949)	96274	66.6914	2200
138 Pentachloronitrobenzene	237	10.494	10.494	(0.981)	350839	85.5608	2900
136 4-Aminobiphenyl	169	10.462	10.462	(0.978)	572221	16.4609	550
137 Pronamide	173	10.537	10.537	(0.985)	1019587	78.5390	2600
141 4-Nitroquinoline-1-oxide	190	11.632	11.626	(1.087)	219220	42.3583	1400
143 Methapyrilene	97	11.722	11.723	(1.021)	2687712	204.270	6800(AMH)
144 Aramite-1	185	12.502	12.502	(0.854)	229399	77.6256	2600(MH)
145 Aramite-2	185	12.582	12.588	(0.920)	280284	74.2155	2500(M)
146 p-Dimethylaminoazobenzene	120	12.684	12.684	(0.928)	959928	74.5918	2500
149 2-Acetylaminofluorene	181	13.319	13.320	(0.974)	1705739	79.3721	2600
150 7,12-Dimethylbenz(a)anthracene	256	14.927	14.927	(0.914)	2216916	75.4913	2500(MH)
152 3-Methylcholanthrene	268	15.931	15.937	(0.957)	1808045	56.5210	1900(MH)
52 2,3,4,6-Tetrachlorophenol	232	9.308	9.308	(1.042)	615516	77.9329	2600
151 Hexachlorophene	196	15.167	15.178	(0.903)	478434	150.309	5000(MH)
127 Thionazin	107	9.500	9.501	(0.888)	297893	77.7797	2600
135 Dimethoate	87	10.254	10.254	(0.959)	570232	71.8280	2400
139 Disulfoton	88	10.686	10.686	(0.999)	624051	55.2275	1800
147 Famphur	218	12.993	12.999	(1.215)	700698	34.0356	1100
140 Methyl parathion	109	11.135	11.135	(1.041)	519154	75.4246	2500
142 Parathion	109	11.589	11.589	(1.083)	373829	91.9490	3100
132 Phorate	75	10.051	10.056	(0.940)	903784	69.3029	2300
M 153 Aramite, Total	100				509684	99.8048	3300
M 154 Diallate	100				723628	68.1590	2300
268 alpha-Pinene	93	5.318	5.319	(0.885)	373742	33.5507	1100
119 Phenyl Ether	170	8.373	8.379	(0.938)	1287753	71.0470	2400
265 4-Chlorophenol	128	7.166	7.161	(0.803)	911556	78.3147	2600
266 2,3,6-Trichlorophenol	196	8.277	8.278	(1.151)	524092	75.1210	2500
M 264 2,4 & 2,5-Dimethylphenol	100				384228	44.5857	1500

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: gd0533.d

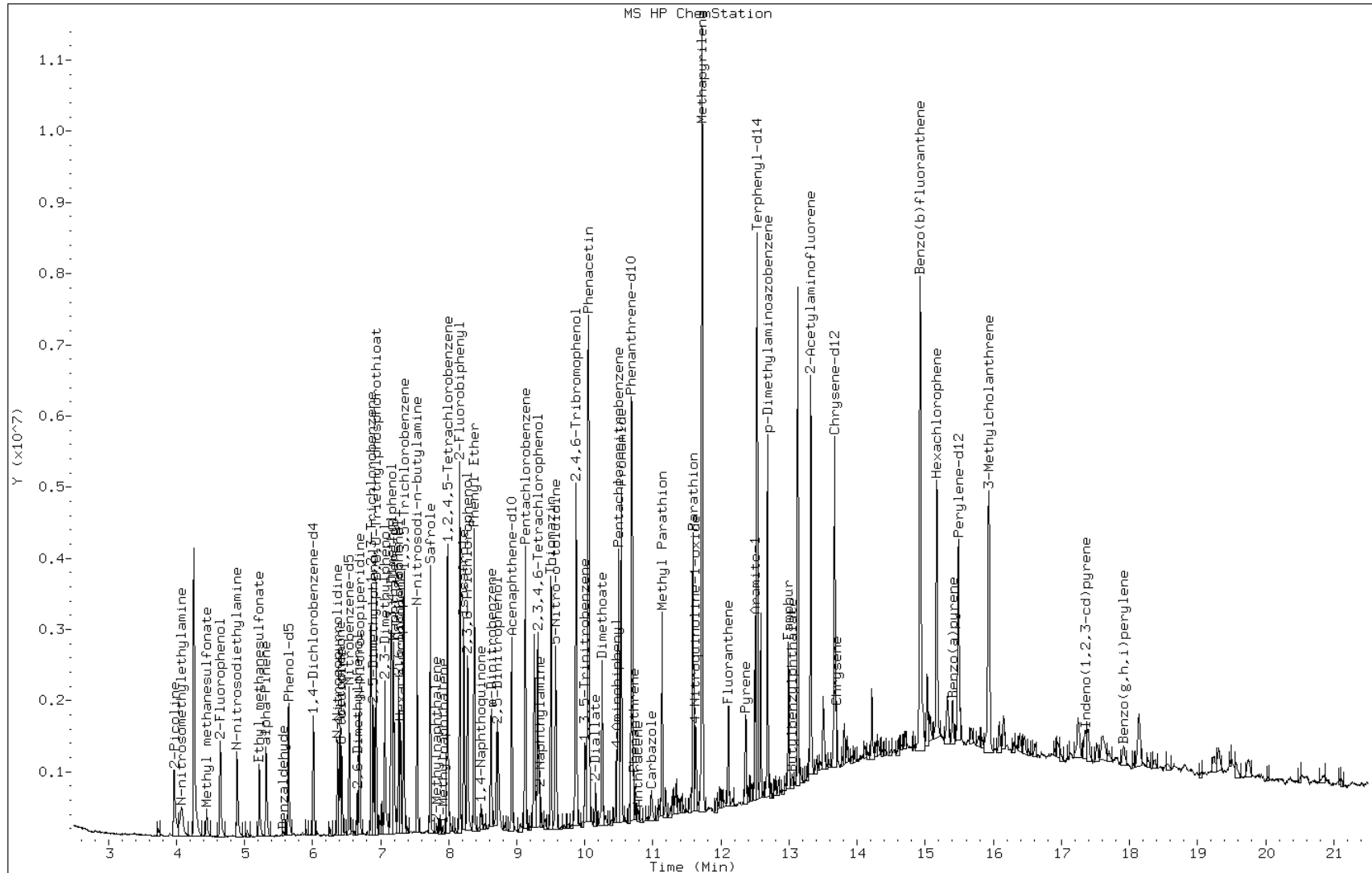
Date: 05-APR-2013 23:32

Client ID:

Instrument: MSG5973.i

Sample Info: 680-88767-B-15-C MSD

Operator: LEG



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SavannahJob No.: 680-88767-4SDG No.: 68088767-4Instrument ID: MSGStart Date: 04/03/2013 12:18Analysis Batch Number: 272296End Date: 04/04/2013 00:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-272296/1		04/03/2013 12:18	1	gd0302t.d	RXi- 5Si1 MS 0.25 (mm)
ICIS 680-272296/2		04/03/2013 12:33	1	gd0303q.d	RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/3		04/03/2013 13:03	1	gd0304q.d	RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/4		04/03/2013 13:32	1	gd0305q.d	RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/5		04/03/2013 14:02	1	gd0306q.d	RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/6		04/03/2013 14:31	1	gd0307q.d	RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/7		04/03/2013 15:00	1	gd0308q.d	RXi- 5Si1 MS 0.25 (mm)
ICV 680-272296/8		04/03/2013 15:29	1	gd0309q.d	RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/9		04/03/2013 15:58	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/10		04/03/2013 16:27	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/11		04/03/2013 16:56	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/12		04/03/2013 17:25	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/13		04/03/2013 17:55	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/14		04/03/2013 18:25	1		RXi- 5Si1 MS 0.25 (mm)
ICV 680-272296/15		04/03/2013 18:54	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/16		04/03/2013 19:23	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/17		04/03/2013 19:52	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/18		04/03/2013 20:21	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/19		04/03/2013 20:51	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/20		04/03/2013 21:20	1		RXi- 5Si1 MS 0.25 (mm)
IC 680-272296/21		04/03/2013 21:50	1		RXi- 5Si1 MS 0.25 (mm)
ICV 680-272296/22		04/03/2013 22:19	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/03/2013 23:18	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/03/2013 23:47	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/04/2013 00:17	1		RXi- 5Si1 MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SavannahJob No.: 680-88767-4SDG No.: 68088767-4Instrument ID: MSGStart Date: 04/05/2013 12:30Analysis Batch Number: 272369End Date: 04/05/2013 23:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-272369/1		04/05/2013 12:30	1	gd0510t.d	RXi- 5Si1 MS 0.25 (mm)
CCVIS 680-272369/2		04/05/2013 12:45	1	gd0511q.d	RXi- 5Si1 MS 0.25 (mm)
CCV 680-272369/3		04/05/2013 13:15	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 14:13	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 14:42	1		RXi- 5Si1 MS 0.25 (mm)
CCV 680-272369/6		04/05/2013 15:12	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 15:41	1		RXi- 5Si1 MS 0.25 (mm)
MB 680-271424/8-A		04/05/2013 16:40	1	gd0519.d	RXi- 5Si1 MS 0.25 (mm)
LCS 680-271424/9-A		04/05/2013 17:09	1	gd0520.d	RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 17:39	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 18:08	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 18:38	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 19:07	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 19:37	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 20:06	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 20:36	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 21:05	1		RXi- 5Si1 MS 0.25 (mm)
680-88767-15	CV0509G-CS	04/05/2013 21:35	1	gd0529.d	RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 22:04	1		RXi- 5Si1 MS 0.25 (mm)
ZZZZZ		04/05/2013 22:33	1		RXi- 5Si1 MS 0.25 (mm)
680-88767-15 MS	CV0509G-CS MS	04/05/2013 23:02	1	gd0532.d	RXi- 5Si1 MS 0.25 (mm)
680-88767-15 MSD	CV0509G-CS MSD	04/05/2013 23:32	1	gd0533.d	RXi- 5Si1 MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271424 Batch Start Date: 04/01/13 18:43 Batch Analyst: Sapp, Jonathan

Batch Method: 3546 Batch End Date: 04/01/13 19:13

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AADIMETH 00183	BENZIDINwk 00145	BNAFULLSPK 00500	BNawkSURRA 00073
680-88767-B-15	CV0509G-CS	3546, 8270D	T	30.19 g	1 mL				1 mL
MB 680-271424/8		3546, 8270D		30.50 g	1 mL				1 mL
LCS 680-271424/9		3546, 8270D		30.16 g	1 mL		1 mL	1 mL	1 mL
680-88767-B-15 MS	CV0509G-CS	3546, 8270D	T	30.39 g	1 mL	50 uL			1 mL
680-88767-B-15 MSD	CV0509G-CS	3546, 8270D	T	30.13 g	1 mL	50 uL			1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EX 8270A9spk1 00067	EX 8270a9spk2 00069				
680-88767-B-15	CV0509G-CS	3546, 8270D	T						
MB 680-271424/8		3546, 8270D							
LCS 680-271424/9		3546, 8270D							
680-88767-B-15 MS	CV0509G-CS	3546, 8270D	T	500 uL	500 uL				
680-88767-B-15 MSD	CV0509G-CS	3546, 8270D	T	500 uL	500 uL				

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4SDG No.: 68088767-4Batch Number: 271424 Batch Start Date: 04/01/13 18:43 Batch Analyst: Sapp, JonathanBatch Method: 3546 Batch End Date: 04/01/13 19:13

Batch Notes	
Balance ID	30
Batch Comment	8270 box M308
Person's name who did the concentration	JCS
Exchange Solvent Lot #	3031509
Exchange Solvent Name	MECL2
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	2984540
Microwave Start Time	1843
Microwave Stop Time	1913
Na2SO4 Lot Number	3028880
Ottawa Sand Lot #	3002557
Person's name who did the prep	JCS
Person who witnessed spiking	WE

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

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88767-4
SDG No.: 68088767-4
Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV0509F-CS</u>	<u>680-88767-14</u>
<u>CV0509O-CS</u>	<u>680-88767-24</u>
<u>CV0509T-CS</u>	<u>680-88767-29</u>
<u>CV0509T-CSD</u>	<u>680-88767-30</u>
<u>CV0509Y-CS</u>	<u>680-88767-35</u>
<u>CV0509AL-GS</u>	<u>680-88767-52</u>
<u>CV0509Y-CS (sieve)</u>	<u>680-88767-55</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509F-CS Lab Sample ID: 680-88767-14
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 09:55
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 79.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	16	2.5	0.74	mg/Kg			1	6010C
7440-39-3	Barium	190	1.3	0.38	mg/Kg			1	6010C
7440-43-9	Cadmium	0.39	0.63	0.13	mg/Kg	J		1	6010C
7440-47-3	Chromium	45	1.3	0.63	mg/Kg			1	6010C
7439-92-1	Lead	90	1.3	0.67	mg/Kg			1	6010C
7782-49-2	Selenium	3.2	3.2	1.3	mg/Kg	U		1	6010C
7440-22-4	Silver	1.3	1.3	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.13	0.023	0.0096	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV05090-CS Lab Sample ID: 680-88767-24
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 10:45
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 65.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	18	2.7	0.79	mg/Kg			1	6010C
7440-39-3	Barium	240	1.3	0.40	mg/Kg			1	6010C
7440-43-9	Cadmium	0.57	0.67	0.13	mg/Kg	J		1	6010C
7440-47-3	Chromium	35	1.3	0.67	mg/Kg			1	6010C
7439-92-1	Lead	140	1.3	0.71	mg/Kg			1	6010C
7782-49-2	Selenium	1.7	3.4	1.3	mg/Kg	J		1	6010C
7440-22-4	Silver	1.3	1.3	0.13	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.18	0.026	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG ID.: 68088767-4

Matrix: Solid

Date Sampled: 03/26/2013 13:20

Reporting Basis: DRY

Date Received: 03/28/2013 09:37

% Solids: 66.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	19	2.9	0.86	mg/Kg			1	6010C
7440-39-3	Barium	160	1.5	0.44	mg/Kg			1	6010C
7440-43-9	Cadmium	0.47	0.73	0.15	mg/Kg	J		1	6010C
7440-47-3	Chromium	37	1.5	0.73	mg/Kg			1	6010C
7439-92-1	Lead	130	1.5	0.77	mg/Kg			1	6010C
7782-49-2	Selenium	2.3	3.6	1.5	mg/Kg	J		1	6010C
7440-22-4	Silver	1.5	1.5	0.14	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.18	0.026	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG ID.: 68088767-4

Matrix: Solid

Date Sampled: 03/26/2013 13:25

Reporting Basis: DRY

Date Received: 03/28/2013 09:37

% Solids: 77.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	21	2.5	0.75	mg/Kg			1	6010C
7440-39-3	Barium	290	1.3	0.38	mg/Kg			1	6010C
7440-43-9	Cadmium	0.48	0.64	0.13	mg/Kg	J		1	6010C
7440-47-3	Chromium	48	1.3	0.64	mg/Kg			1	6010C
7439-92-1	Lead	140	1.3	0.67	mg/Kg			1	6010C
7782-49-2	Selenium	1.9	3.2	1.3	mg/Kg	J		1	6010C
7440-22-4	Silver	1.3	1.3	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.17	0.022	0.0091	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CS Lab Sample ID: 680-88767-35
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG ID.: 68088767-4
 Matrix: Solid Date Sampled: 03/26/2013 14:10
 Reporting Basis: DRY Date Received: 03/28/2013 09:37
 % Solids: 72.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17	2.7	0.80	mg/Kg			1	6010C
7440-39-3	Barium	290	1.3	0.40	mg/Kg			1	6010C
7440-43-9	Cadmium	1.7	0.67	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	34	2.7	1.3	mg/Kg			2	6010C
7439-92-1	Lead	290	1.3	0.71	mg/Kg			1	6010C
7782-49-2	Selenium	6.7	6.7	2.7	mg/Kg	U		2	6010C
7440-22-4	Silver	2.7	2.7	0.26	mg/Kg	U		2	6010C
7439-97-6	Mercury	0.24	0.024	0.0099	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509AL-GS

Lab Sample ID: 680-88767-52

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG ID.: 68088767-4

Matrix: Solid

Date Sampled: 03/26/2013 15:37

Reporting Basis: DRY

Date Received: 03/28/2013 09:37

% Solids: 83.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	20	2.1	0.63	mg/Kg			1	6010C
7440-39-3	Barium	340	1.1	0.32	mg/Kg			1	6010C
7440-43-9	Cadmium	0.20	0.54	0.11	mg/Kg	J		1	6010C
7440-47-3	Chromium	50	1.1	0.54	mg/Kg			1	6010C
7439-92-1	Lead	95	1.1	0.57	mg/Kg			1	6010C
7782-49-2	Selenium	1.5	2.7	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	1.1	1.1	0.10	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.20	0.022	0.0090	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509Y-CS (sieve)

Lab Sample ID: 680-88767-55

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG ID.: 68088767-4

Matrix: Solid

Date Sampled: 03/26/2013 14:10

Reporting Basis: DRY

Date Received: 03/28/2013 09:37

% Solids: 72.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	19	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	290	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	1.7	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	32	2.4	1.2	mg/Kg			2	6010C
7439-92-1	Lead	290	1.2	0.64	mg/Kg			1	6010C
7782-49-2	Selenium	6.0	6.0	2.4	mg/Kg	U		2	6010C
7440-22-4	Silver	2.4	2.4	0.23	mg/Kg	U		2	6010C
7439-97-6	Mercury	0.23	0.023	0.0096	mg/Kg			1	7471B

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-271753/6 04/02/2013 18:39				CCV 680-271753/158 04/03/2013 11:06				CCV 680-271753/170 04/03/2013 12:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	1030		1000	103	4640		5000	93	4620		5000	92
Selenium	972		1000	97	4660		5000	93	4660		5000	93
Silver	971		1000	97	472		500	94	468		500	94
<i>Arsenic</i>	1040		1000	104	466		500	93	462		500	92
<i>Barium</i>	1040		1000	104	4970		5000	99	4920		5000	98
<i>Cadmium</i>	1050		1000	105	494		500	99	490		500	98
<i>Lead</i>	1000		1000	100	498		500	100	500		500	100

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

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

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	CCV 680-271678/94 04/02/2013 22:29				CCV 680-271678/106 04/02/2013 23:35							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	479		500	96	484		500	97				
Barium	4870		5000	97	4840		5000	97				
Cadmium	479		500	96	477		500	95				
Chromium	4890		5000	98	4890		5000	98				
Lead	491		500	98	487		500	97				
Selenium	4820		5000	96	4820		5000	96				
Silver	489		500	98	488		500	98				

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

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

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

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	CCV 680-271158/31-A 03/29/2013 18:06				CCV 680-271158/31-A 03/29/2013 18:30							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.58		2.50	103	2.57		2.50	103				

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Method: 6010C Instrument ID: ICPE
 Lab Sample ID: CRI 680-271753/8 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	26.2		131	50-150
Barium	10.0	9.87	J	99	50-150
Cadmium	5.00	5.39		108	50-150
Chromium	10.0	10.7		107	50-150
Lead	10.0	7.97	J	80	50-150
Selenium	20.0	16.0	J	80	50-150
Silver	10.0	9.95	J	99	50-150

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Method: 6010C Instrument ID: ICPF
 Lab Sample ID: CRI 680-271678/6 Concentration Units: ug/L
 CRQL Check Standard Source: P_CRI_00023

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

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Method: 7471B Instrument ID: LEEMAN2
 Lab Sample ID: CRA 680-271158/36-A Concentration Units: ug/L
 CRQL Check Standard Source: Hg_Int_Cal_00090

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

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271753/7 04/02/2013 18:53		CCB 680-271753/159 04/03/2013 11:13		CCB 680-271753/171 04/03/2013 12:31		Found	C
		Found	C	Found	C	Found	C		
Chromium	10	10	U	10	U	10	U		
Selenium	25	25	U	25	U	25	U		
Silver	10	10	U	10	U	10	U		
<i>Arsenic</i>	20	20	U	20	U	20	U		
<i>Barium</i>	10	10	U	4.19	J	10	U		
<i>Cadmium</i>	5.0	5.0	U	5.0	U	5.0	U		
<i>Lead</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.: 680-88767-4

SDG No.: 68088767-4

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271678/5 04/02/2013 13:39		CCB 680-271678/71 04/02/2013 20:24		CCB 680-271678/83 04/02/2013 21:29		CCB 680-271678/95 04/02/2013 22:35	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U	20	U	20	U
Barium	10	10	U	10	U	10	U	10	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Chromium	10	10	U	10	U	10	U	10	U
Lead	10	10	U	10	U	10	U	10	U
Selenium	25	25	U	25	U	25	U	25	U
Silver	10	10	U	10	U	10	U	10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Concentration Units: ug/L

Analyte	RL	CCB 680-271678/107 04/02/2013 23:40							
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U						
Barium	10	10	U						
Cadmium	5.0	5.0	U						
Chromium	10	10	U						
Lead	10	10	U						
Selenium	25	25	U						
Silver	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Concentration Units: ug/L

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

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Concentration Units: ug/L

Analyte	RL	CCB 680-271158/32-A 03/29/2013 18:33							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Concentration Units: mg/Kg

Lab Sample ID: MB 680-271166/1-A

Instrument Code: ICPF

Batch No.: 271678

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	1.9	U		6010C
7440-39-3	Barium	0.96	U		6010C
7440-43-9	Cadmium	0.48	U		6010C
7440-47-3	Chromium	0.96	U		6010C
7439-92-1	Lead	0.96	U		6010C
7782-49-2	Selenium	2.4	U		6010C
7440-22-4	Silver	0.96	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4
SDG No.: 68088767-4
Concentration Units: mg/Kg Lab Sample ID: MB 680-271188/1-A
Instrument Code: LEEMAN2 Batch No.: 271298

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Lab Sample ID: ICSA 680-271753/9

Instrument ID: ICPE

Lab File ID: E04022013A.csv

ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Chromium		0.861	
Selenium		-10.3	
Silver		-0.379	
<i>Aluminum</i>	<i>500000</i>	<i>536490</i>	<i>107</i>
<i>Antimony</i>		<i>0.320</i>	
<i>Arsenic</i>		<i>2.97</i>	
<i>Barium</i>		<i>-7.73</i>	
<i>Beryllium</i>		<i>-0.115</i>	
<i>Boron</i>		<i>-18.4</i>	
<i>Cadmium</i>		<i>-1.10</i>	
<i>Calcium</i>	<i>500000</i>	<i>507621</i>	<i>102</i>
<i>Cobalt</i>		<i>0.389</i>	
<i>Copper</i>		<i>3.83</i>	
<i>Iron</i>	<i>200000</i>	<i>198756</i>	<i>99</i>
<i>Lead</i>		<i>-0.901</i>	
<i>Magnesium</i>	<i>500000</i>	<i>548762</i>	<i>110</i>
<i>Manganese</i>		<i>-5.07</i>	
<i>Molybdenum</i>		<i>0.633</i>	
<i>Nickel</i>		<i>-0.831</i>	
<i>Potassium</i>		<i>1.99</i>	
<i>Sodium</i>		<i>-43.2</i>	
<i>Strontium</i>		<i>3.46</i>	
<i>Thallium</i>		<i>-22.9</i>	
<i>Tin</i>		<i>0.545</i>	
<i>Titanium</i>		<i>0.0244</i>	
<i>Vanadium</i>		<i>-1.53</i>	
<i>Zinc</i>		<i>18.7</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.: 680-88767-4

SDG No.: 68088767-4

Lab Sample ID: ICSAB 680-271753/10

Instrument ID: ICPE

Lab File ID: E04022013A.csv

ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Chromium	500	528	106
Selenium	50.0	42.7	85
Silver	200	223	112
<i>Aluminum</i>	<i>500000</i>	<i>538205</i>	<i>108</i>
<i>Antimony</i>	<i>600</i>	<i>644</i>	<i>107</i>
<i>Arsenic</i>	<i>100</i>	<i>113</i>	<i>113</i>
<i>Barium</i>	<i>500</i>	<i>531</i>	<i>106</i>
<i>Beryllium</i>	<i>500</i>	<i>526</i>	<i>105</i>
<i>Boron</i>		<i>-20.8</i>	
<i>Cadmium</i>	<i>1000</i>	<i>1043</i>	<i>104</i>
<i>Calcium</i>	<i>500000</i>	<i>508861</i>	<i>102</i>
<i>Cobalt</i>	<i>500</i>	<i>517</i>	<i>103</i>
<i>Copper</i>	<i>500</i>	<i>577</i>	<i>115</i>
<i>Iron</i>	<i>200000</i>	<i>199163</i>	<i>100</i>
<i>Lead</i>	<i>50.0</i>	<i>49.7</i>	<i>99</i>
<i>Magnesium</i>	<i>500000</i>	<i>553069</i>	<i>111</i>
<i>Manganese</i>	<i>500</i>	<i>523</i>	<i>105</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1111</i>	<i>111</i>
<i>Nickel</i>	<i>1000</i>	<i>1001</i>	<i>100</i>
<i>Potassium</i>		<i>2.70</i>	
<i>Sodium</i>		<i>-184</i>	
<i>Strontium</i>		<i>5.51</i>	
<i>Thallium</i>	<i>100</i>	<i>69.7</i>	<i>70</i>
<i>Tin</i>	<i>1000</i>	<i>1052</i>	<i>105</i>
<i>Titanium</i>		<i>-6.37</i>	
<i>Vanadium</i>	<i>500</i>	<i>509</i>	<i>102</i>
<i>Zinc</i>	<i>1000</i>	<i>1034</i>	<i>103</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.: 680-88767-4

SDG No.: 68088767-4

Lab Sample ID: ICSA 680-271678/7

Instrument ID: ICPF

Lab File ID: F04022013.csv

ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

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

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Lab Sample ID: ICSAB 680-271678/8

Instrument ID: ICPF

Lab File ID: F04022013.csv

ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

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

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

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: CV0509F-CS MS

Lab ID: 680-88767-14 MS

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 79.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	26.9	16	12.5	88	75-125		6010C
Barium	130	190	12.5	-463	75-125	4	6010C
Cadmium	6.51	0.39 J	6.25	98	75-125		6010C
Chromium	50.9	45	12.5	45	75-125	F	6010C
Lead	88.9	90	6.25	-22	75-125	4	6010C
Selenium	12.3	3.2 U	12.5	98	75-125		6010C
Silver	5.88	1.3 U	6.25	94	75-125		6010C
Mercury	0.228	0.13	0.119	85	80-120		7471B

SSR = Spiked Sample Result

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

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: CV0509F-CS MSD Lab ID: 680-88767-14 MSD
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 79.2

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	28.6	12.5	101	75-125	6	20		6010C
Barium	129	12.5	-469	75-125	1	20	4	6010C
Cadmium	6.58	6.25	99	75-125	1	20		6010C
Chromium	62.7	12.5	138	75-125	21	20	F	6010C
Lead	94.5	6.25	67	75-125	6	20	4	6010C
Selenium	13.0	12.5	104	75-125	5	20		6010C
Silver	5.61	6.25	90	75-125	5	20		6010C
Mercury	0.228	0.115	88	80-120	0	20		7471B

SDR = Sample Duplicate Result

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

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: _____ Lab ID: 680-88766-B-6-A PDS
 Lab Name: TestAmerica Savannah Job No.: 680-88767-4
 SDG No.: 68088767-4
 Matrix: Solid Concentration Units: mg/Kg

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

SSR = Spiked Sample Result

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-271166/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

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

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-271188/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00090

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.223	0.232		104	80 120		7471B

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

FORM VIIA - IN

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

Lab ID: 680-88766-B-6-A SD ^5

SDG No: 68088767-4

Lab Name: TestAmerica Savannah

Job No: 680-88767-4

Matrix: Solid

Concentration Units: mg/Kg

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

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-88767-4

SDG Number: 68088767-4

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)
Chromium		1	0.5
Selenium		2.5	1
Silver		1	0.096

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88767-4
SDG Number: 68088767-4
Matrix: Solid Instrument ID: ICPE
Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Chromium		10	5
Selenium		25	10
Silver		10	0.96

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-88767-4

SDG Number: 68088767-4

Matrix: Solid

Instrument ID: ICPF

Method: 6010C

MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		2	0.59
Barium		1	0.3
Cadmium		0.5	0.1
Chromium		1	0.5
Lead		1	0.53
Selenium		2.5	1
Silver		1	0.096

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-88767-4

SDG Number: 68088767-4

Matrix: Solid

Instrument ID: ICPF

Method: 6010C

XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Barium		10	3
Cadmium		5	1
Chromium		10	5
Lead		10	5.3
Selenium		25	10
Silver		10	0.96

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-88767-4

SDG Number: 68088767-4

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: 680-88767-4
SDG Number: 68088767-4
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: 680-88767-4

SDG No.: 68088767-4

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: 680-88767-4

SDG No.: 68088767-4

ICP-AES Instrument ID: ICPE

Date: 03/05/2013

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-88767-4

SDG No.: 68088767-4

ICP-AES Instrument ID: ICPF

Date: 03/05/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215										0.000440		-0.000039		
Antimony	206.834						0.009150	0.000014			0.014330		0.000041		
Arsenic	188.980							-0.000037			0.000600		-0.000005		
Barium	389.178												0.000071		0.000112
Beryllium	313.042														
Boron	249.678									0.002360			-0.000270		
Cadmium	226.502		0.000003										0.000095		
Calcium	370.602												-0.048770		
Chromium	267.716								-0.000130				-0.000034		
Cobalt	228.615					0.000070			-0.000190		0.000076		0.000002		
Copper	324.754						0.000119	-0.000074					0.000009		0.000002
Iron	271.441									0.060870	-0.002240				
Lead	220.353		-0.000136							-0.000140	-0.001020		-0.000007		
Magnesium	279.078												-0.003105		
Manganese	257.610												0.000012		0.000026
Molybdenum	202.032		0.000004										-0.000038		
Nickel	231.604									-0.000240			0.000021		0.000013
Potassium	766.491					-0.002100									
Selenium	196.026		0.000013					0.000011					-0.000075		0.000022
Silicon								-0.000006							
Silver	328.068										-0.000140	-0.000026	-0.000006		
Sodium	330.237												-0.007294		
Strontium	216.596		0.000003					0.000007				-0.000140	0.000079		
Thallium	190.794		-0.000024					-0.000020		0.003520			-0.000092		
Tin	189.925							-0.000006							
Titanium	334.941							0.000005			0.000270	-0.000008			
Vanadium	292.401										-0.002120		0.000007		
Zinc	206.200										-0.001240		0.000008		0.000011

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88767-4

SDG No.: 68088767-4

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

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	SiO2	Sn	Sr	Ti	Tl	V
Aluminum	308.215		0.007900												0.017120
Antimony	206.834		-0.003260								-0.002880		-0.002430		-0.001820
Arsenic	188.980		0.000460		-0.000500										0.000060
Barium	389.178		0.000300												0.000175
Beryllium	313.042		-0.000060												0.000390
Boron	249.678		-0.001000												
Cadmium	226.502												0.001740		
Calcium	370.602	0.007600											0.027800		0.003440
Chromium	267.716		0.000040										0.000047		-0.000440
Cobalt	228.615		-0.002040								-0.000032		0.001740		
Copper	324.754	0.000076	0.000200		0.000190								-0.000180		-0.000500
Iron	271.441		0.001700												0.012440
Lead	220.353		-0.001730												
Magnesium	279.078	-0.001500													
Manganese	257.610												0.000110		
Molybdenum	202.032														-0.000540
Nickel	231.604		-0.000050				-0.000029							0.000200	
Potassium	766.491														
Selenium	196.026	0.000690													
Silicon															
Silver	328.068	0.000140	0.00000										-0.000110		0.000028
Sodium	330.237												-0.109400		
Strontium	216.596		-0.002900		-0.006100										
Thallium	190.794		-0.002200										0.001400		0.002320
Tin	189.925												0.000400		
Titanium	334.941														0.000028
Vanadium	292.401	-0.000070	-0.008290										0.000324		
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88767-4

SDG No.: 68088767-4

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

Analyte	Wave Length	Zn													
Aluminum	308.215														
Antimony	206.834														
Arsenic	188.980														
Barium	389.178														
Beryllium	313.042														
Boron	249.678														
Cadmium	226.502														
Calcium	370.602														
Chromium	267.716														
Cobalt	228.615														
Copper	324.754														
Iron	271.441														
Lead	220.353														
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	231.604														
Potassium	766.491														
Selenium	196.026														
Silicon															
Silver	328.068														
Sodium	330.237	0.024999													
Strontium	216.596														
Thallium	190.794														
Tin	189.925														
Titanium	334.941														
Vanadium	292.401														
Zinc	206.200														

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271166/1-A	03/29/2013 10:06	271166	1.04		100
LCS 680-271166/3-A	03/29/2013 10:06	271166	1.02		100
680-88767-14	03/29/2013 10:06	271166	1.00		100
680-88767-14 MS	03/29/2013 10:06	271166	1.01		100
680-88767-14 MSD	03/29/2013 10:06	271166	1.01		100
680-88767-24	03/29/2013 10:06	271166	1.13		100
680-88767-29	03/29/2013 10:06	271166	1.03		100
680-88767-30	03/29/2013 10:06	271166	1.01		100
680-88767-35	03/29/2013 10:06	271166	1.02		100
680-88767-52	03/29/2013 10:06	271166	1.12		100
680-88767-55	03/29/2013 10:06	271166	1.15		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-88767-4

SDG No.: 68088767-4

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271188/1-A	03/29/2013 10:50	271188	0.51		50
LCS 680-271188/2-A	03/29/2013 10:50	271188	0.56		50
680-88767-14	03/29/2013 10:50	271188	0.54		50
680-88767-14 MS	03/29/2013 10:50	271188	0.53		50
680-88767-14 MSD	03/29/2013 10:50	271188	0.55		50
680-88767-24	03/29/2013 10:50	271188	0.58		50
680-88767-29	03/29/2013 10:50	271188	0.57		50
680-88767-30	03/29/2013 10:50	271188	0.58		50
680-88767-35	03/29/2013 10:50	271188	0.57		50
680-88767-52	03/29/2013 10:50	271188	0.55		50
680-88767-55	03/29/2013 10:50	271188	0.59		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: ICPE Method: 6010C

Start Date: 04/02/2013 18:12 End Date: 04/03/2013 13:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A	C	S													
ZZZZZZ			18:12																
ZZZZZZ			18:16																
ZZZZZZ			18:19																
ZZZZZZ			18:26																
ZZZZZZ			18:32																
ICV 680-271753/6	1		18:39	X	X	X													
ICBIS 680-271753/7	1		18:53	X	X	X													
CRI 680-271753/8	1		19:00	X	X	X													
ICSA 680-271753/9	1		19:06	X	X	X													
ICSAB 680-271753/10	1		19:13	X	X	X													
ZZZZZZ			19:19																
ZZZZZZ			19:26																
RINSE 680-271753/13			19:32																
CCV 680-271753/14			19:38																
CCB 680-271753/15			19:45																
ZZZZZZ			19:51																
ZZZZZZ			19:58																
ZZZZZZ			20:04																
ZZZZZZ			20:10																
ZZZZZZ			20:17																
ZZZZZZ			20:23																
ZZZZZZ			20:30																
ZZZZZZ			20:36																
ZZZZZZ			20:43																
ZZZZZZ			20:49																
CCV 680-271753/26			20:56																
CCB 680-271753/27			21:02																
ZZZZZZ			21:09																
ZZZZZZ			21:15																
ZZZZZZ			21:21																
ZZZZZZ			21:28																
ZZZZZZ			21:34																
ZZZZZZ			21:41																
ZZZZZZ			21:47																
ZZZZZZ			21:53																
ZZZZZZ			22:00																
ZZZZZZ			22:06																
CCV 680-271753/38			22:13																
CCB 680-271753/39			22:19																
ZZZZZZ			22:26																
ZZZZZZ			22:32																
ZZZZZZ			22:38																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: ICPE Method: 6010C

Start Date: 04/02/2013 18:12 End Date: 04/03/2013 13:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A	C	S													
ZZZZZZ			22:45																
ZZZZZZ			22:51																
ZZZZZZ			22:58																
ZZZZZZ			23:04																
ZZZZZZ			23:10																
ZZZZZZ			23:17																
ZZZZZZ			23:23																
CCV 680-271753/50			23:30																
CCB 680-271753/51			23:36																
ZZZZZZ			23:43																
ZZZZZZ			23:49																
ZZZZZZ			23:55																
ZZZZZZ			00:02																
ZZZZZZ			00:08																
ZZZZZZ			00:15																
ZZZZZZ			00:21																
ZZZZZZ			00:27																
ZZZZZZ			00:34																
ZZZZZZ			00:40																
CCV 680-271753/62			00:47																
CCB 680-271753/63			00:53																
ZZZZZZ			01:00																
ZZZZZZ			01:06																
ZZZZZZ			01:12																
ZZZZZZ			01:19																
ZZZZZZ			01:25																
ZZZZZZ			01:32																
ZZZZZZ			01:38																
ZZZZZZ			01:45																
ZZZZZZ			01:51																
ZZZZZZ			01:58																
CCV 680-271753/74			02:04																
CCB 680-271753/75			02:10																
ZZZZZZ			02:17																
ZZZZZZ			02:23																
ZZZZZZ			02:30																
ZZZZZZ			02:36																
ZZZZZZ			02:42																
ZZZZZZ			02:49																
ZZZZZZ			02:55																
ZZZZZZ			03:02																
ZZZZZZ			03:08																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: ICPE Method: 6010C

Start Date: 04/02/2013 18:12 End Date: 04/03/2013 13:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A	C	S													
ZZZZZZ			03:15																
CCV 680-271753/86			03:21																
CCB 680-271753/87			03:27																
ZZZZZZ			03:34																
ZZZZZZ			03:40																
ZZZZZZ			03:47																
ZZZZZZ			03:53																
ZZZZZZ			03:59																
ZZZZZZ			04:06																
ZZZZZZ			04:12																
ZZZZZZ			04:19																
ZZZZZZ			04:25																
ZZZZZZ			04:32																
CCV 680-271753/98			04:38																
CCB 680-271753/99			04:45																
ZZZZZZ			04:51																
ZZZZZZ			04:57																
ZZZZZZ			05:04																
ZZZZZZ			05:11																
ZZZZZZ			05:17																
ZZZZZZ			05:23																
ZZZZZZ			05:30																
ZZZZZZ			05:36																
ZZZZZZ			05:43																
ZZZZZZ			05:49																
CCV 680-271753/110			05:56																
CCB 680-271753/111			06:02																
ZZZZZZ			06:08																
ZZZZZZ			06:15																
ZZZZZZ			06:21																
ZZZZZZ			06:28																
ZZZZZZ			06:34																
ZZZZZZ			06:41																
ZZZZZZ			06:47																
ZZZZZZ			06:53																
ZZZZZZ			07:00																
ZZZZZZ			07:06																
CCV 680-271753/122			07:13																
CCB 680-271753/123			07:19																
ZZZZZZ			07:26																
ZZZZZZ			07:32																
ZZZZZZ			07:38																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: ICPE Method: 6010C

Start Date: 04/02/2013 18:12 End Date: 04/03/2013 13:09

Lab Sample ID	D / F	Type	Time	Analytes															
				A	C	S													
ZZZZZZ			07:45																
ZZZZZZ			07:51																
ZZZZZZ			07:58																
ZZZZZZ			08:04																
ZZZZZZ			08:11																
ZZZZZZ			08:17																
ZZZZZZ			08:24																
CCV 680-271753/134			08:30																
CCB 680-271753/135			08:37																
ZZZZZZ			08:43																
ZZZZZZ			08:50																
ZZZZZZ			08:56																
ZZZZZZ			09:03																
ZZZZZZ			09:09																
ZZZZZZ			09:15																
ZZZZZZ			09:22																
ZZZZZZ			09:29																
ZZZZZZ			09:35																
ZZZZZZ			09:42																
CCV 680-271753/146			09:48																
CCB 680-271753/147			09:55																
ZZZZZZ			10:01																
ZZZZZZ			10:08																
ZZZZZZ			10:14																
ZZZZZZ			10:21																
ZZZZZZ			10:27																
ZZZZZZ			10:34																
ZZZZZZ			10:40																
ZZZZZZ			10:47																
ZZZZZZ			10:53																
ZZZZZZ			11:00																
CCV 680-271753/158	1		11:06	X	X	X													
CCB 680-271753/159	1		11:13	X	X	X													
ZZZZZZ			11:20																
ZZZZZZ			11:26																
ZZZZZZ			11:33																
ZZZZZZ			11:39																
680-88767-35	2	T	11:46	X	X	X													
680-88767-55	2	T	11:52	X	X	X													
ZZZZZZ			11:58																
ZZZZZZ			12:05																
ZZZZZZ			12:11																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: ICPF Method: 6010C

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: ICPF Method: 6010C

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

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

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: LEEMAN2 Method: 7471B

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

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Instrument ID: LEEMAN2 Method: 7471B

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

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			17:29																
ZZZZZZ			17:31																
ZZZZZZ			17:34																
CCV 680-271158/31-A	1		17:36	X															
CCB 680-271158/32-A	1		17:39	X															
ZZZZZZ			17:41																
ZZZZZZ			17:44																
ZZZZZZ			17:46																
ZZZZZZ			17:49																
ZZZZZZ			17:51																
680-88767-14	1	T	17:54	X															
680-88767-14 MS	1	T	17:56	X															
680-88767-14 MSD	1	T	17:58	X															
680-88767-24	1	T	18:01	X															
680-88767-29	1	T	18:03	X															
CCV 680-271158/31-A	1		18:06	X															
CCB 680-271158/32-A	1		18:08	X															
680-88767-30	1	T	18:11	X															
680-88767-35	1	T	18:13	X															
680-88767-52	1	T	18:16	X															
680-88767-55	1	T	18:18	X															
ZZZZZZ			18:20																
ZZZZZZ			18:23																
ZZZZZZ			18:25																
ZZZZZZ			18:28																
CCV 680-271158/31-A	1		18:30	X															
CCB 680-271158/32-A	1		18:33	X															
CCV 680-271158/31-A			07:36																
CCB 680-271158/32-A			07:39																
ZZZZZZ			07:41																
ZZZZZZ			07:44																
CCV 680-271158/31-A			07:46																
CCB 680-271158/32-A			07:49																

Prep Types
T = Total/NA

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Blank (Blk)	4/2/2013, 6:12:48 PM		Rack S, Tube 1
Label	Replicates Concentration		
Ag 328.068	-0.6039	0.6429	-0.0390
Al 308.215	-2.0089	1.0282	0.9806
As 188.980	-0.4288	-0.4030	0.8319
B 249.678	-0.1176	0.1179	-0.0003
Ba 389.178	0.6819	-0.4988	-0.1831
Be 313.042	-0.0036	0.0045	-0.0009
Ca 370.602	-2.158	-4.504	6.662
Cd 226.502	-0.0728	0.1595	-0.0867
Co 228.615	0.5299	0.2616	-0.7916
Cr 267.716	0.0092	0.0326	-0.0417
Cu 324.754	-0.3552	0.7899	-0.4347
Fe 271.441	-3.9479	-1.9671	5.9150
K 766.491	-0.3592	0.4235	-0.0643
Mg 279.078	-2.6969	1.9002	0.7967
Mn 257.610	-0.1550	0.0518	0.1032
Mo 202.032	-0.2216	0.0045	0.2171
Na 330.237	27.9285	-83.4177	55.4892
Ni 231.604	-0.5505	0.7344	-0.1839
Pb 220.353	1.4955	0.1821	-1.6776
Sb 206.834	-0.7473	-0.5959	1.3432
Se 196.026	-4.0204	-0.1033	4.1237
Sn 189.925	-0.9543	3.2861	-2.3317
Sr 216.596	0.1795	0.2786	-0.4581
Ti 334.941	-0.0277	0.0501	-0.0223
Tl 190.794	0.5084	0.5411	-1.0495
V 292.401	0.1136	0.0319	-0.1455
Zn 206.200	-0.9519	-0.5762	1.5281

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	47.475	57.5	-82.5837
Al 308.215	0.0000	ppb	9.045	10.1	89.1735
As 188.980	0.0000	ppb	0.519	64.0	-0.8100
B 249.678	0.0000	ppb	1.390	1.3	106.023
Ba 389.178	0.0000	ppb	14.859	136.7	-10.8730
Be 313.042	0.0000	ppb	8.722	3.5	-247.576
Ca 370.602	0.0000	ppb	21.298	593.3	-3.590
Cd 226.502	0.0000	ppb	5.388	63.5	8.4790
Co 228.615	0.0000	ppb	8.423	169.5	4.9682
Cr 267.716	0.0000	ppb	1.883	430.4	-0.4374
Cu 324.754	0.0000	ppb	32.885	38.8	-84.8066
Fe 271.441	0.0000	ppb	9.976	3540.9	0.2817
K 766.491	0.0000	ppb	21.077	10.2	206.751
Mg 279.078	0.0000	ppb	6.003	21.9	27.3971
Mn 257.610	0.0000	ppb	34.350	26.6	129.004
Mo 202.032	0.0000	ppb	1.691	15.0	11.2406
Na 330.237	0.0000	ppb	4.378	53.0	-8.2538
Ni 231.604	0.0000	ppb	2.013	143.0	-1.4071
Pb 220.353	0.0000	ppb	3.213	81.9	3.9229
Sb 206.834	0.0000	ppb	1.120	26.7	4.1938
Se 196.026	0.0000	ppb	2.208	75.2	2.9351
Sn 189.925	0.0000	ppb	2.775	330.5	-0.8395
Sr 216.596	0.0000	ppb	4.802	72.9	6.5857
Ti 334.941	0.0000	ppb	12.019	13.4	-89.6211
Tl 190.794	0.0000	ppb	0.971	90.5	1.0729
V 292.401	0.0000	ppb	3.943	105.6	-3.7347
Zn 206.200	0.0000	ppb	2.511	90.6	2.7695

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

HIGH STD (Std) 4/2/2013, 6:16:13 PM Rack S, Tube 2

Label	Replicates Concentration		
Ag 328.068	992.435	1003.17	1004.39
Al 308.215	10000.2	9986.12	10013.7
As 188.980	1002.42	1000.97	996.611
B 249.678	991.582	998.432	1009.99
Ba 389.178	10008.2	9973.74	10018.1
Be 313.042	1000.48	997.678	1001.84
Ca 370.602	9999	9973	10027
Cd 226.502	999.019	997.222	1003.76
Co 228.615	996.959	997.945	1005.10
Cr 267.716	9999.51	9979.95	10020.5
Cu 324.754	10075.9	9927.85	9996.26
Fe 271.441	9983.71	9976.04	10040.2
K 766.491	20028.1	19873.8	20098.1
Mg 279.078	9999.87	9970.81	10029.3
Mn 257.610	10001.7	9971.14	10027.2
Mo 202.032	996.997	999.395	1003.61
Na 330.237	15231.9	15001.3	14766.8
Ni 231.604	4997.45	4988.97	5013.57
Pb 220.353	1002.24	998.836	998.929
Sb 206.834	1992.17	1998.75	2009.07
Se 196.026	10000.2	9976.63	10023.1
Sn 189.925	9989.53	9938.92	10071.5
Sr 216.596	5000.37	4991.40	5008.22
Ti 334.941	999.660	997.532	1002.81
Tl 190.794	9990.07	9966.86	10043.1
V 292.401	9995.98	9970.09	10033.9
Zn 206.200	4998.50	4996.55	5004.94

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	500.333	0.7	75960.4
Al 308.215	10000.0	ppb	71.652	0.1	52077.9
As 188.980	1000.00	ppb	2.176	0.3	719.151
B 249.678	1000.00	ppb	109.753	0.9	11905.3
Ba 389.178	10000.0	ppb	565.845	0.2	243061
Be 313.042	1000.00	ppb	4505.321	0.2	2121917
Ca 370.602	10000	ppb	97.573	0.3	36169
Cd 226.502	1000.00	ppb	131.546	0.3	38969.3
Co 228.615	1000.00	ppb	53.543	0.4	12063.1
Cr 267.716	10000.0	ppb	1006.624	0.2	495813
Cu 324.754	10000.0	ppb	3555.904	0.7	479852
Fe 271.441	10000.0	ppb	67.042	0.4	19120.8
K 766.491	20000.0	ppb	6119.606	0.6	1066579
Mg 279.078	10000.0	ppb	73.178	0.3	25041.1
Mn 257.610	10000.0	ppb	7049.251	0.3	2513444
Mo 202.032	1000.00	ppb	25.794	0.3	7718.09
Na 330.237	15000.0	ppb	13.843	1.6	884.660
Ni 231.604	5000.00	ppb	37.997	0.2	15202.2
Pb 220.353	1000.00	ppb	3.902	0.2	2019.00
Sb 206.834	2000.00	ppb	8.185	0.4	1925.60
Se 196.026	10000.0	ppb	12.609	0.2	5424.71
Sn 189.925	10000.0	ppb	63.423	0.7	9475.14
Sr 216.596	5000.00	ppb	101.081	0.2	60060.6
Ti 334.941	1000.00	ppb	734.181	0.3	276453
Tl 190.794	10000.0	ppb	41.714	0.4	10679.8
V 292.401	10000.0	ppb	955.862	0.3	297694
Zn 206.200	5000.00	ppb	8.242	0.1	9393.68

Ag 328.068 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-82.5837	0.0000	0.0000	-	-
HIGH STD		75960.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 76.0 x + -82.6$

Al 308.215 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		89.1735	0.0000	0.0000	-	-
HIGH STD		52077.9	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 5.2 x + 89.2$

As 188.980 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.8100	0.0000	0.0000	-	-
HIGH STD		719.151	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.7 x + -0.8$

B 249.678 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		106.023	0.0000	0.0000	-	-
HIGH STD		11905.3	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 11.8 x + 106.0$

Ba 389.178 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.8730	0.0000	0.0000	-	-
HIGH STD		243061	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 24.3 x + -10.9$

Be 313.042 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-247.576	0.0000	0.0000	-	-
HIGH STD		2121917	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 2122.2 x + -247.6$

Ca 370.602 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.590	0.0000	0.0000	-	-
HIGH STD		36169	10000	10000	0.0000	0.0

Curve Type: Linear Equation: $y = 3.6 x + -3.6$

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cd 226.502 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.4790	0.0000	0.0000	-	-
HIGH STD		38969.3	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 39.0 x + 8.5$ **Co 228.615 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.9682	0.0000	0.0000	-	-
HIGH STD		12063.1	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 12.1 x + 5.0$ **Cr 267.716 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.4374	0.0000	0.0000	-	-
HIGH STD		495813	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 49.6 x + -0.4$ **Cu 324.754 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-84.8066	0.0000	0.0000	-	-
HIGH STD		479852	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 48.0 x + -84.8$ **Fe 271.441 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.2817	0.0000	0.0000	-	-
HIGH STD		19120.8	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 1.9 x + 0.3$ **K 766.491 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		206.751	0.0000	0.0000	-	-
HIGH STD		1066579	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: $y = 53.3 x + 206.8$ **Mg 279.078 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		27.3971	0.0000	0.0000	-	-
HIGH STD		25041.1	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.5 x + 27.4$

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Mn 257.610 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		129.004	0.0000	0.0000	-	-
HIGH STD		2513444	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 251.3 x + 129.0$ **Mo 202.032 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.2406	0.0000	0.0000	-	-
HIGH STD		7718.09	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 7.7 x + 11.2$ **Na 330.237 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.2538	0.0000	0.0000	-	-
HIGH STD		884.660	15000.0	15000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 0.1 x + -8.3$ **Ni 231.604 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.4071	0.0000	0.0000	-	-
HIGH STD		15202.2	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 3.0 x + -1.4$ **Pb 220.353 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.9229	0.0000	0.0000	-	-
HIGH STD		2019.00	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 2.0 x + 3.9$ **Sb 206.834 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.1938	0.0000	0.0000	-	-
HIGH STD		1925.60	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.0 x + 4.2$ **Se 196.026 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.9351	0.0000	0.0000	-	-
HIGH STD		5424.71	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + 2.9$

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Sn 189.925 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.8395	0.0000	0.0000	-	-
HIGH STD		9475.14	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.9 x + -0.8$ **Sr 216.596 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.5857	0.0000	0.0000	-	-
HIGH STD		60060.6	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 12.0 x + 6.6$ **Ti 334.941 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-89.6211	0.0000	0.0000	-	-
HIGH STD		276453	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 276.5 x + -89.6$ **Tl 190.794 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.0729	0.0000	0.0000	-	-
HIGH STD		10679.8	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 1.1 x + 1.1$ **V 292.401 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.7347	0.0000	0.0000	-	-
HIGH STD		297694	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 29.8 x + -3.7$ **Zn 206.200 Calibration (ppb) 4/2/2013, 6:16:13 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.7695	0.0000	0.0000	-	-
HIGH STD		9393.68	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: $y = 1.9 x + 2.8$ **Lab Control Sample (LCS) 4/2/2013, 6:19:37 PM Rack S, Tube 2****Weight: 1 Volume: 1 Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	989.346	999.060	1005.31
Al 308.215	9967.58	9999.66	9938.76
As 188.980	1004.75	1009.22	1001.43
B 249.678	1031.81	1036.36	1031.48
Ba 389.178	9998.14	10022.9	9969.16

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Label	Replicates Concentration		
Be 313.042	999.115	1003.23	997.220
Ca 370.602	9930	9972	9918
Cd 226.502	1001.49	1003.12	997.357
Co 228.615	1002.26	1004.05	998.701
Cr 267.716	9993.33	10011.4	9955.48
Cu 324.754	9890.65	9978.58	10080.9
Fe 271.441	10016.2	10046.7	9988.51
K 766.491	19984.9	20063.7	19975.5
Mg 279.078	10000.2	10014.7	9938.72
Mn 257.610	10024.2	10029.5	9992.39
Mo 202.032	1002.46	1002.66	997.230
Na 330.237	14899.0	14797.4	14613.9
Ni 231.604	4997.62	5005.41	4985.52
Pb 220.353	996.934	1003.21	994.854
Sb 206.834	2044.36	2040.82	2023.30
Se 196.026	9996.33	9972.43	9950.82
Sn 189.925	9854.54	9983.68	9929.77
Sr 216.596	4998.76	5008.02	4984.27
Ti 334.941	996.896	1000.83	996.578
Tl 190.794	10000.5	10006.4	9945.75
V 292.401	9996.76	10033.9	9978.08
Zn 206.200	4985.89	5010.37	4964.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	997.906	ppb	8.0446	0.8	75681.0	99.79055
Al 308.215	9968.67	ppb	30.4647	0.3	51873.7	99.68669
As 188.980	1005.13	ppb	3.9077	0.4	722.514	100.51324
B 249.678	1033.22	ppb	2.7295	0.3	12285.4	20.66437*
Ba 389.178	9996.74	ppb	26.9078	0.3	243052	99.96740
Be 313.042	999.855	ppb	3.0727	0.3	2121023	99.98548
Ca 370.602	9940	ppb	28.69	0.3	35656	99.40073
Cd 226.502	1000.66	ppb	2.9705	0.3	39020.6	100.06557
Co 228.615	1001.67	ppb	2.7250	0.3	12101.6	100.16732
Cr 267.716	9986.74	ppb	28.5360	0.3	495096	99.86736
Cu 324.754	9983.36	ppb	95.1942	1.0	478987	99.83361
Fe 271.441	10017.1	ppb	29.1022	0.3	19430.9	100.17134
K 766.491	20008.0	ppb	48.4153	0.2	1067006	100.04005
Mg 279.078	9984.54	ppb	40.3397	0.4	24810.8	99.84536
Mn 257.610	10015.4	ppb	20.0819	0.2	2517428	100.15378
Mo 202.032	1000.78	ppb	3.0766	0.3	7703.52	100.07803
Na 330.237	14770.1	ppb	144.507	1.0	815.590	98.46723
Ni 231.604	4996.18	ppb	10.0223	0.2	15190.9	99.92368
Pb 220.353	998.333	ppb	4.3511	0.4	2015.36	99.83332
Sb 206.834	2036.16	ppb	11.2788	0.6	2051.07	40.72319*
Se 196.026	9973.19	ppb	22.7680	0.2	5412.95	99.73193
Sn 189.925	9922.66	ppb	64.8643	0.7	9401.87	99.22660
Sr 216.596	4997.02	ppb	11.9704	0.2	59895.6	99.94032
Ti 334.941	998.101	ppb	2.3675	0.2	275972	99.81007
Tl 190.794	9984.19	ppb	33.4150	0.3	10652.2	99.84186
V 292.401	10002.9	ppb	28.4174	0.3	296919	100.02912
Zn 206.200	4986.93	ppb	22.9342	0.5	9332.35	99.73869

Initial Calib Verif (ICV)

4/2/2013, 6:26:37 PM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	981.857	980.513	984.777
Al 308.215	948.156	948.315	940.645

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Label	Replicates Concentration		
As 188.980	1039.34	1049.70	1037.79
B 249.678	989.698	993.910	993.517
Ba 389.178	1037.73	1037.60	1033.91
Be 313.042	1045.94x	1048.63x	1039.96x
Ca 370.602	991.7	991.8	986.7
Cd 226.502	1051.08x	1049.04x	1043.07x
Co 228.615	1002.93	1005.65	1007.03
Cr 267.716	1030.01	1029.52	1019.76
Cu 324.754	1042.70	1044.47	1056.02
Fe 271.441	979.568	971.473	966.543
K 766.491	10028.1	10027.7	9983.54
Mg 279.078	1012.53	1009.23	1008.10
Mn 257.610	1070.34	1071.23	1063.34
Mo 202.032	1009.62x	1011.25x	1004.04x
Na 330.237	9270.68	9749.51	9494.63
Ni 231.604	1042.74	1040.61	1034.08
Pb 220.353	1012.31	1006.20	998.605
Sb 206.834	1013.48	1008.29	1015.21
Se 196.026	983.278	981.241	984.908
Sn 189.925	4945.00	4909.42	4955.51
Sr 216.596	5001.09	4996.26	4961.18
Ti 334.941	985.621	987.082	978.590
Tl 190.794	1015.68	1015.67	1006.36
V 292.401	998.897	1000.19	994.317
Zn 206.200	1047.77	1036.82	1031.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	982.382b	ppb	2.1804	0.2	74402.6	98.23822
Al 308.215	945.705b	ppb	4.3831	0.5	5110.98	94.57054
As 188.980	1042.28b	ppb	6.4727	0.6	749.271	104.22758
B 249.678	992.375b	ppb	2.3267	0.2	11814.1	99.23749
Ba 389.178	1036.41b	ppb	2.1697	0.2	25193.3	103.64120
Be 313.042	1044.84xb	ppb	4.4386	0.4	2216859	104.48417
Ca 370.602	990.1b	ppb	2.899	0.3	3732	99.00938
Cd 226.502	1047.73xb	ppb	4.1621	0.4	40831.5	104.77280
Co 228.615	1005.20b	ppb	2.0827	0.2	12117.1	100.52013
Cr 267.716	1026.43b	ppb	5.7824	0.6	50878.4	102.64314
Cu 324.754	1047.73b	ppb	7.2324	0.7	50217.1	104.77312
Fe 271.441	972.528b	ppb	6.5765	0.7	2045.17	97.25277
K 766.491	10013.1b	ppb	25.5951	0.3	534091	100.13099
Mg 279.078	1009.95b	ppb	2.3007	0.2	2533.27	100.99524
Mn 257.610	1068.30b	ppb	4.3184	0.4	268639	106.83010Q
Mo 202.032	1008.30xb	ppb	3.7804	0.4	7780.03	100.83019
Na 330.237	9504.94b	ppb	239.583	2.5	539.349	95.04942
Ni 231.604	1039.14b	ppb	4.5139	0.4	3158.37	103.91422
Pb 220.353	1005.70b	ppb	6.8669	0.7	2028.07	100.57042
Sb 206.834	1012.33b	ppb	3.6030	0.4	982.121	101.23282
Se 196.026	983.142b	ppb	1.8377	0.2	536.268	98.31422
Sn 189.925	4936.64b	ppb	24.1528	0.5	4677.12	98.73285
Sr 216.596	4986.18b	ppb	21.7842	0.4	59834.6	99.72350
Ti 334.941	983.764b	ppb	4.5402	0.5	271967	98.37644
Tl 190.794	1012.57b	ppb	5.3806	0.5	1081.27	101.25701
V 292.401	997.800b	ppb	3.0846	0.3	29433.9	99.77998
Zn 206.200	1038.65b	ppb	8.3581	0.8	1949.75	103.86464

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Initial Calib Blank (ICB) 4/2/2013, 6:32:01 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5588	0.0206	0.2544
Al 308.215	-0.4158u	0.2105	-0.0865u
As 188.980	16.3773	18.9309	16.3756
B 249.678	26.3624	23.4311	24.4558
Ba 389.178	0.3826	-0.2622u	-1.1036u
Be 313.042	0.0615	0.0700	0.0662
Ca 370.602	2.209	-1.622u	1.641
Cd 226.502	-0.1480u	-0.1411u	0.1338
Co 228.615	0.8724	-0.6436u	-0.3317u
Cr 267.716	0.2657	0.2425	0.3586
Cu 324.754	-0.0886u	0.8397	0.4937
Fe 271.441	1.0315	-2.5329u	2.3990
K 766.491	0.4833	0.9555	2.1258
Mg 279.078	-0.3773u	-1.7303u	0.0368
Mn 257.610	0.2610	0.2013	0.3085
Mo 202.032	0.7231	0.9831	0.8616
Na 330.237	-37.2058u	-82.5520u	178.061
Ni 231.604	1.1567	0.3941	0.8399
Pb 220.353	-0.8655u	-2.1606u	-0.5659u
Sb 206.834	1.5265	6.8742	5.7409
Se 196.026	5.3862	-8.5701u	4.4931
Sn 189.925	1.6721	2.2960	-0.9708u
Sr 216.596	0.5391	0.7234	0.2389
Ti 334.941	0.3093	0.3011	0.2585
Tl 190.794	-2.3478u	2.0042	-3.8765u
V 292.401	0.5295	0.4598	0.3874
Zn 206.200	0.3266	0.3731	0.2654

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2779	ppb	0.2699	97.1	-61.4588	0.27792
Al 308.215	-0.0973	ppb	0.3133	322.1	88.7834	-0.09728
As 188.980	17.2280	ppb	1.4748	8.6	11.5932	17.22795Z
B 249.678	24.7498	ppb	1.4876	6.0	398.054	24.74979
Ba 389.178	-0.3278	ppb	0.7453	227.4	-18.8380	-0.32775
Be 313.042	0.0659	ppb	0.0042	6.4	-107.916	0.06590
Ca 370.602	0.7425	ppb	2.068	278.5	-0.7192	0.74250
Cd 226.502	-0.0518	ppb	0.1608	310.4	6.4580	-0.05179
Co 228.615	-0.0343	ppb	0.8006	2334.3	4.5275	-0.03430
Cr 267.716	0.2889	ppb	0.0614	21.3	13.8835	0.28890
Cu 324.754	0.4149	ppb	0.4691	113.1	-64.8698	0.41494
Fe 271.441	0.2992	ppb	2.5462	851.0	0.9188	0.29920
K 766.491	1.1882	ppb	0.8456	71.2	270.104	1.18819
Mg 279.078	-0.6903	ppb	0.9242	133.9	25.6655	-0.69027
Mn 257.610	0.2569	ppb	0.0538	20.9	193.565	0.25693
Mo 202.032	0.8559	ppb	0.1301	15.2	17.8360	0.85589
Na 330.237	19.4345	ppb	139.233	716.4	-7.1015	19.43454
Ni 231.604	0.7969	ppb	0.3831	48.1	1.0160	0.79688
Pb 220.353	-1.1973	ppb	0.8475	70.8	1.5083	-1.19733
Sb 206.834	4.7139	ppb	2.8179	59.8	8.7126	4.71386
Se 196.026	0.4364	ppb	7.8126	1790.3	3.1718	0.43638
Sn 189.925	0.9991	ppb	1.7343	173.6	0.1072	0.99911
Sr 216.596	0.5005	ppb	0.2445	48.9	12.5490	0.50046
Ti 334.941	0.2896	ppb	0.0273	9.4	-9.5311	0.28962
Tl 190.794	-1.4067	ppb	3.0513	216.9	-0.4296	-1.40671
V 292.401	0.4589	ppb	0.0711	15.5	9.6906	0.45888
Zn 206.200	0.3217	ppb	0.0541	16.8	2.3725	0.32170

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Initial Calib Verif (ICV) **4/2/2013, 6:39:20 PM** **Rack S, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	968.027	973.003	971.808
Al 308.215	940.284	944.572	955.525
As 188.980	1028.14	1048.62	1046.24
B 249.678	967.166	977.004	989.150
Ba 389.178	1032.71	1036.16	1043.81
Be 313.042	1041.66x	1043.40x	1051.13x
Ca 370.602	985.2	990.2	1004
Cd 226.502	1042.97x	1046.89x	1055.90x
Co 228.615	1009.08	1010.96	1015.27
Cr 267.716	1022.28	1023.09	1031.13
Cu 324.754	1037.04	1038.16	1039.37
Fe 271.441	969.138	974.144	984.386
K 766.491	9940.45	9996.43	10067.6
Mg 279.078	1003.23	1008.22	1014.02
Mn 257.610	1064.19	1066.73	1075.02
Mo 202.032	1003.44x	1005.65x	1011.74x
Na 330.237	9851.47	9857.33	9618.90
Ni 231.604	1034.63	1033.95	1042.10
Pb 220.353	999.517	1004.32	1009.57
Sb 206.834	994.929	997.616	1004.98
Se 196.026	961.126	974.719	980.691
Sn 189.925	4900.06	4965.11	4931.83
Sr 216.596	4959.10	4973.09	5004.33
Ti 334.941	979.448	983.015	988.826
Tl 190.794	1006.74	1003.67	1019.70
V 292.401	995.326	998.189	1004.50
Zn 206.200	1033.44	1037.74	1037.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	970.946b	ppb	2.5975	0.3	73532.7	97.09462
Al 308.215	946.794b	ppb	7.8599	0.8	5116.73	94.67936
As 188.980	1041.00b	ppb	11.1984	1.1	748.354	104.10023
B 249.678	977.774b	ppb	11.0124	1.1	11641.8	97.77736
Ba 389.178	1037.56b	ppb	5.6844	0.5	25221.2	103.75587
Be 313.042	1045.40xb	ppb	5.0440	0.5	2218039	104.53976
Ca 370.602	993.2b	ppb	9.829	1.0	3743	99.31888
Cd 226.502	1048.59xb	ppb	6.6287	0.6	40864.9	104.85851
Co 228.615	1011.77b	ppb	3.1712	0.3	12196.3	101.17708
Cr 267.716	1025.50b	ppb	4.8913	0.5	50832.1	102.54989
Cu 324.754	1038.19b	ppb	1.1614	0.1	49759.3	103.81911
Fe 271.441	975.889b	ppb	7.7721	0.8	2052.04	97.58894
K 766.491	10001.5b	ppb	63.7402	0.6	533473	100.01501
Mg 279.078	1008.49b	ppb	5.4023	0.5	2529.61	100.84908
Mn 257.610	1068.65b	ppb	5.6612	0.5	268726	106.86460Q
Mo 202.032	1006.94xb	ppb	4.3004	0.4	7769.56	100.69445
Na 330.237	9775.90b	ppb	135.996	1.4	555.497	97.75901
Ni 231.604	1036.89b	ppb	4.5215	0.4	3151.52	103.68898
Pb 220.353	1004.47b	ppb	5.0262	0.5	2025.57	100.44670
Sb 206.834	999.174b	ppb	5.2023	0.5	969.476	99.91745
Se 196.026	972.179b	ppb	10.0268	1.0	530.324	97.21786
Sn 189.925	4932.33b	ppb	32.5283	0.7	4673.04	98.64670
Sr 216.596	4978.84b	ppb	23.1554	0.5	59746.5	99.57681
Ti 334.941	983.763b	ppb	4.7336	0.5	271966	98.37630
Tl 190.794	1010.04b	ppb	8.5060	0.8	1078.57	101.00350
V 292.401	999.338b	ppb	4.6935	0.5	29479.5	99.93382
Zn 206.200	1036.15b	ppb	2.3531	0.2	1945.05	103.61466

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Initial Calib Blank (ICB) **4/2/2013, 6:53:50 PM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2660u	-0.0406u	0.6995
Al 308.215	2.4949	1.4714	0.2114
As 188.980	2.1319	7.3097	2.4548
B 249.678	6.1881	4.7473	2.9732
Ba 389.178	-0.0198u	-0.3725u	0.0221
Be 313.042	0.0585	0.0725	0.0815
Ca 370.602	-0.5415u	3.037	-1.942u
Cd 226.502	-0.2815u	-0.1708u	0.0407
Co 228.615	-0.0524u	-0.2672u	0.3543
Cr 267.716	0.1720	0.1640	0.0533
Cu 324.754	0.3619	0.5103	0.9837
Fe 271.441	5.1604	2.0214	1.6983
K 766.491	0.7604	1.5540	0.6225
Mg 279.078	0.0072	-0.6606u	-0.5862u
Mn 257.610	0.2743	0.2976	0.1633
Mo 202.032	-0.2020u	0.5074	-0.3700u
Na 330.237	110.012	84.7674	-15.4428u
Ni 231.604	0.1246	1.1588	1.2087
Pb 220.353	0.1972	-1.9724u	-0.6733u
Sb 206.834	-3.3824u	0.6152	1.5304
Se 196.026	0.0405	-5.6771u	-1.8318u
Sn 189.925	0.6901	2.5440	-0.5917u
Sr 216.596	0.4864	0.8995	0.1516
Ti 334.941	0.0462	0.1053	0.0988
Tl 190.794	-2.2206u	-0.9826u	-2.3314u
V 292.401	-0.1126u	0.2994	-0.3134u
Zn 206.200	0.2729	-0.8403u	-0.6082u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1310	ppb	0.5051	385.7	-72.6302	0.13097
Al 308.215	1.3926	ppb	1.1438	82.1	96.4355	1.39256
As 188.980	3.9654	ppb	2.9007	73.1	2.0449	3.96545
B 249.678	4.6362	ppb	1.6103	34.7	160.726	4.63620
Ba 389.178	-0.1234	ppb	0.2167	175.7	-13.8722	-0.12339
Be 313.042	0.0708	ppb	0.0116	16.4	-97.3618	0.07080
Ca 370.602	0.1842	ppb	2.568	1393.7	-2.948	0.18422
Cd 226.502	-0.1372	ppb	0.1637	119.3	3.1349	-0.13720
Co 228.615	0.0116	ppb	0.3157	2727.3	5.1036	0.01157
Cr 267.716	0.1298	ppb	0.0663	51.1	5.9988	0.12977
Cu 324.754	0.6186	ppb	0.3248	52.5	-55.1113	0.61863
Fe 271.441	2.9600	ppb	1.9124	64.6	5.9258	2.96001
K 766.491	0.9790	ppb	0.5028	51.4	258.948	0.97896
Mg 279.078	-0.4132	ppb	0.3660	88.6	26.3604	-0.41319
Mn 257.610	0.2451	ppb	0.0717	29.3	190.595	0.24508
Mo 202.032	-0.0215	ppb	0.4657	2161.8	11.0746	-0.02154
Na 330.237	59.7788	ppb	66.3554	111.0	-4.6955	59.77881
Ni 231.604	0.8307	ppb	0.6120	73.7	1.1189	0.83071
Pb 220.353	-0.8161	ppb	1.0918	133.8	2.2781	-0.81613
Sb 206.834	-0.4123	ppb	2.6126	633.7	3.7979	-0.41227
Se 196.026	-2.4895	ppb	2.9150	117.1	1.5854	-2.48945
Sn 189.925	0.8808	ppb	1.5765	179.0	-0.0049	0.88078
Sr 216.596	0.5125	ppb	0.3747	73.1	12.7304	0.51250
Ti 334.941	0.0834	ppb	0.0324	38.8	-66.5475	0.08345
Tl 190.794	-1.8449	ppb	0.7488	40.6	-0.8977	-1.84489
V 292.401	-0.0422	ppb	0.3124	740.4	-5.0397	-0.04220
Zn 206.200	-0.3919	ppb	0.5873	149.8	2.0329	-0.39187

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

CRI (CRI) **4/2/2013, 7:00:15 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.5734	9.8132	10.4548
Al 308.215	200.189	203.328	205.869
As 188.980	25.9331	26.0245	26.7213
B 249.678	96.4192	99.6168	99.2820
Ba 389.178	9.4411	9.6411	10.5268
Be 313.042	4.3017	4.3837	4.3951
Ca 370.602	504.3	514.0	512.9
Cd 226.502	5.2724	5.3213	5.5754
Co 228.615	10.3384	10.9518	11.1435
Cr 267.716	10.4436	10.7671	10.9657
Cu 324.754	21.0992	21.4931	20.8422
Fe 271.441	55.0335	50.0967	53.3607
K 766.491	1056.92	1083.09	1084.18
Mg 279.078	508.978	516.703	523.018
Mn 257.610	11.1801	11.4454	11.3477
Mo 202.032	10.3092	10.5223	9.7800
Na 330.237	1016.96	1166.67	1315.72
Ni 231.604	40.2607	43.7941	44.0471
Pb 220.353	9.2613	6.2838	8.3603
Sb 206.834	15.4039	20.6225	23.0795
Se 196.026	12.1129	21.6493	14.1171
Sn 189.925	48.7718	51.6819	48.1404
Sr 216.596	10.4157	10.7157	10.6737
Ti 334.941	9.8320	9.9901	10.0063
Tl 190.794	23.0961	22.5493	23.9902
V 292.401	10.5019	10.7570	10.5229
Zn 206.200	18.9465	19.7760	19.9671

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.9471	ppb	0.4557	4.6	673.465	99.47134
Al 308.215	203.128	ppb	2.8452	1.4	1146.26	101.56421
As 188.980	26.2263	ppb	0.4311	1.6	18.0731	131.13142R
B 249.678	98.4394	ppb	1.7575	1.8	1267.47	98.43935
Ba 389.178	9.8697	ppb	0.5778	5.9	230.613	98.69663
Be 313.042	4.3602	ppb	0.0510	1.2	9003.20	109.00446
Ca 370.602	510.4	ppb	5.309	1.0	1840	102.08149
Cd 226.502	5.3897	ppb	0.1626	3.0	218.612	107.79434
Co 228.615	10.8112	ppb	0.4205	3.9	135.245	108.11218
Cr 267.716	10.7255	ppb	0.2635	2.5	531.295	107.25456
Cu 324.754	21.1448	ppb	0.3278	1.6	930.195	105.72411
Fe 271.441	52.8303	ppb	2.5108	4.8	103.259	105.66068
K 766.491	1074.73	ppb	15.4354	1.4	57509.9	107.47301
Mg 279.078	516.233	ppb	7.0321	1.4	1318.41	103.24660
Mn 257.610	11.3244	ppb	0.1342	1.2	2979.95	113.24419
Mo 202.032	10.2038	ppb	0.3822	3.7	89.8556	102.03804
Na 330.237	1166.45	ppb	149.377	12.8	60.9029	116.64507
Ni 231.604	42.7006	ppb	2.1168	5.0	128.435	106.75159
Pb 220.353	7.9685	ppb	1.5269	19.2	19.9512	79.68459R
Sb 206.834	19.7020	ppb	3.9197	19.9	23.1346	98.50993
Se 196.026	15.9598	ppb	5.0282	31.5	11.5916	79.79889R
Sn 189.925	49.5314	ppb	1.8890	3.8	46.0970	99.06277
Sr 216.596	10.6017	ppb	0.1625	1.5	132.798	106.01699
Ti 334.941	9.9428	ppb	0.0963	1.0	2662.21	99.42801
Tl 190.794	23.2119	ppb	0.7274	3.1	25.8465	92.84761
V 292.401	10.5940	ppb	0.1416	1.3	308.925	105.93955
Zn 206.200	19.5632	ppb	0.5426	2.8	394.728	97.81592

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Interf Check A (ICSA) 4/2/2013, 7:06:41 PM Rack S, Tube 5

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4976	-0.1016u	-1.5341u
Al 308.215	536710	537607	535153
As 188.980	4.6003	1.3660	2.9359
B 249.678	-17.8772u	-18.3190u	-18.8905u
Ba 389.178	-7.7088	-7.1390	-8.3447
Be 313.042	-0.1106u	-0.1154u	-0.1200u
Ca 370.602	508090	508985	505789
Cd 226.502	-1.1354	-1.2143	-0.9391
Co 228.615	1.6115	0.2040u	-0.6492u
Cr 267.716	1.1907	0.3893	1.0022
Cu 324.754	4.1045	4.3457	3.0419
Fe 271.441	198464	199048	198755
K 766.491	1.7249	2.0378	2.2163
Mg 279.078	547884	550826	547576
Mn 257.610	-5.0182	-5.0949	-5.1043
Mo 202.032	0.5644u	0.9914u	0.3425u
Na 330.237	267.624u	-146.862u	-250.363u
Ni 231.604	-0.2833	-0.9688	-1.2394
Pb 220.353	1.2149u	-1.0749u	-2.8435u
Sb 206.834	3.1195	-6.3592u	4.1998
Se 196.026	-4.9383u	-14.2919u	-11.7564u
Sn 189.925	1.6671	0.7470	-0.7804u
Sr 216.596	3.8585	3.4159	3.1031
Ti 334.941	0.0298	0.1001	-0.0566
Tl 190.794	-22.0175u	-23.6798u	-23.0012u
V 292.401	-1.2695u	-1.5318u	-1.7798u
Zn 206.200	18.3629	18.6424	19.1123

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3794	ppb	1.0440	275.2	-119.334	-0.37937
Al 308.215	536490	ppb	1241.38	0.2	2789231	-
As 188.980	2.9674	ppb	1.6174	54.5	3.9520	2.96739
B 249.678	-18.3622	ppb	0.5080	2.8	-343.592	-18.36223
Ba 389.178	-7.7308	ppb	0.6032	7.8	1605.31	-7.73084
Be 313.042	-0.1153	ppb	0.0047	4.1	-264.088	-0.11533
Ca 370.602	507621	ppb	1649	0.3	1817894	-
Cd 226.502	-1.0963	ppb	0.1417	12.9	475.651	-1.09627
Co 228.615	0.3888	ppb	1.1416	293.6	2.8526	0.38877
Cr 267.716	0.8608	ppb	0.4190	48.7	96.0488	0.86076
Cu 324.754	3.8307	ppb	0.6937	18.1	155.322	3.83067
Fe 271.441	198756	ppb	291.790	0.1	380031	-
K 766.491	1.9930	ppb	0.2487	12.5	313.014	1.99298
Mg 279.078	548762	ppb	1794.25	0.3	1372540	-
Mn 257.610	-5.0725	ppb	0.0472	0.9	4328.30	-5.07248
Mo 202.032	0.6328	ppb	0.3298	52.1	5.5738	0.63275
Na 330.237	-43.2002	ppb	274.111	634.5	-79.7436	-43.20024
Ni 231.604	-0.8305	ppb	0.4929	59.3	1.0530	-0.83050
Pb 220.353	-0.9012	ppb	2.0348	225.8	-9.6730	-0.90120
Sb 206.834	0.3200	ppb	5.8096	1815.3	8.8476	0.32004
Se 196.026	-10.3289	ppb	4.8374	46.8	-1.3887	-10.32888
Sn 189.925	0.5446	ppb	1.2363	227.0	-0.0870	0.54455
Sr 216.596	3.4592	ppb	0.3795	11.0	196.047	3.45916
Ti 334.941	0.0244	ppb	0.0785	321.2	2419.06	0.02443
Tl 190.794	-22.8995	ppb	0.8358	3.6	-34.2626	-22.89948
V 292.401	-1.5270	ppb	0.2552	16.7	-45.8989	-1.52703
Zn 206.200	18.7059	ppb	0.3787	2.0	37.8956	18.70589

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Interf Check AB (ICSAB) 4/2/2013, 7:13:07 PM Rack S, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	225.296	222.852	221.194
Al 308.215	540064	537546	537006
As 188.980	110.525	114.072	115.524
B 249.678	-20.9925u	-20.3067u	-21.1014u
Ba 389.178	531.557	531.268	530.202
Be 313.042	527.799	526.112	524.168
Ca 370.602	511314	507686	507582
Cd 226.502	1044.82	1041.44	1041.77
Co 228.615	518.032	516.237	517.249
Cr 267.716	529.519	526.534	526.702
Cu 324.754	585.316	571.633	574.518
Fe 271.441	199471	199153	198865
K 766.491	2.7846	2.8429	2.4709
Mg 279.078	554035	552844	552330
Mn 257.610	524.446	522.881	521.899
Mo 202.032	1110.26	1111.71	1109.54
Na 330.237	-188.281u	-405.290u	40.8281u
Ni 231.604	1003.70	999.934	998.690
Pb 220.353	51.2834	47.1580	50.6875
Sb 206.834	647.045	647.755	637.715
Se 196.026	50.8525	39.3629	37.7719
Sn 189.925	1053.78	1048.82	1051.92
Sr 216.596	4.9324	5.7931	5.7929
Ti 334.941	-6.3880	-6.3465	-6.3672
Tl 190.794	66.6083	72.8442	69.7749
V 292.401	510.033	508.272	508.395
Zn 206.200	1033.97	1033.84	1033.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	223.114	ppb	2.0635	0.9	16881.4	111.55702
Al 308.215	538205	ppb	1632.52	0.3	2798276	107.64108
As 188.980	113.374	ppb	2.5716	2.3	83.1074	113.37354
B 249.678	-20.8002	ppb	0.4309	2.1	-372.954	-
Ba 389.178	531.009	ppb	0.7135	0.1	14718.0	106.20183
Be 313.042	526.026	ppb	1.8170	0.3	1116080	105.20522
Ca 370.602	508861	ppb	2125	0.4	1822351	101.77214
Cd 226.502	1042.68	ppb	1.8618	0.2	41143.3	104.26768
Co 228.615	517.173	ppb	0.8996	0.2	6196.05	103.43452
Cr 267.716	527.585	ppb	1.6772	0.3	26198.9	105.51699
Cu 324.754	577.156	ppb	7.2131	1.2	27696.1	115.43111
Fe 271.441	199163	ppb	303.024	0.2	380904	99.58133
K 766.491	2.6995	ppb	0.2001	7.4	350.683	-
Mg 279.078	553069	ppb	874.617	0.2	1383304	110.61388
Mn 257.610	523.075	ppb	1.2842	0.2	137101	104.61507
Mo 202.032	1110.50	ppb	1.1049	0.1	8558.12	111.05003
Na 330.237	-184.248	ppb	223.086	121.1	-97.0133	-
Ni 231.604	1000.77	ppb	2.6085	0.3	3046.67	100.07743
Pb 220.353	49.7096	ppb	2.2298	4.5	90.4426	99.41930
Sb 206.834	644.172	ppb	5.6028	0.9	621.983	107.36193
Se 196.026	42.6624	ppb	7.1373	16.7	27.4883	85.32483
Sn 189.925	1051.51	ppb	2.5059	0.2	995.805	105.15077
Sr 216.596	5.5061	ppb	0.4969	9.0	157.002	-
Ti 334.941	-6.3672	ppb	0.0208	0.3	667.304	-
Tl 190.794	69.7425	ppb	3.1181	4.5	63.8531	69.74247G
V 292.401	508.900	ppb	0.9828	0.2	14876.8	101.78005
Zn 206.200	1033.91	ppb	0.0691	0.0	1942.69	103.39101

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

LRA1 (Samp) 4/2/2013, 7:19:34 PM Rack S, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2119	-0.0300	0.1119
Al 308.215	236.164	308.806	282.892
As 188.980	19524.0x	19395.0x	19466.3x
B 249.678	4954.00	4991.30	5033.12
Ba 389.178	-2.2555u	-1.9379u	-3.4907u
Be 313.042	0.3517	0.4145	0.3773
Ca 370.602	918.6	1001	962.6
Cd 226.502	-0.8796u	-1.1472u	-1.0586u
Co 228.615	10489.5	10513.8	10520.6
Cr 267.716	1.2642	1.1961	1.0859
Cu 324.754	76.5468	77.5411	77.7018
Fe 271.441	-147.147	-116.625	-119.220
K 766.491	70.5803	69.9906	69.7695
Mg 279.078	288.883	361.420	323.169
Mn 257.610	28515.3x	28579.2x	28646.7x
Mo 202.032	1.1882	2.1369	1.1971
Na 330.237	103902x	104202x	104805x
Ni 231.604	10384.4x	10395.4x	10431.9x
Pb 220.353	19619.2x	19634.9x	19688.2x
Sb 206.834	10.0411	11.6887	15.0711
Se 196.026	9.4700	12.9744	-2.7329
Sn 189.925	1.1057	7.1514	4.8184
Sr 216.596	0.5493u	0.6378u	-0.1269u
Ti 334.941	31657.3	31829.7	31898.7
Tl 190.794	118.527	121.297	114.641
V 292.401	-1.5171	-1.3607	-0.6798
Zn 206.200	47.9395	46.3279	50.7344

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0979b	ppb	0.1216	124.1	58.9210
Al 308.215	275.954b	ppb	36.8149	13.3	1523.74
As 188.980	19461.8xb	ppb	64.6006	0.3	14010.9
B 249.678	4992.81b	ppb	39.5809	0.8	59016.6
Ba 389.178	-2.5614b	ppb	0.8203	32.0	-71.4524
Be 313.042	0.3812b	ppb	0.0316	8.3	528.027
Ca 370.602	960.6b	ppb	41.03	4.3	11015
Cd 226.502	-1.0285b	ppb	0.1363	13.3	-29.5687
Co 228.615	10507.9b	ppb	16.3594	0.2	127578
Cr 267.716	1.1821b	ppb	0.0900	7.6	250.811
Cu 324.754	77.2632b	ppb	0.6256	0.8	3623.31
Fe 271.441	-127.664b	ppb	16.9227	13.3	1575.49
K 766.491	70.1135b	ppb	0.4192	0.6	3945.10
Mg 279.078	324.491b	ppb	36.2865	11.2	296.533
Mn 257.610	28580.4xb	ppb	65.6672	0.2	7183288
Mo 202.032	1.5074b	ppb	0.5452	36.2	22.7736
Na 330.237	104303xb	ppb	459.820	0.4	5912.95
Ni 231.604	10403.9xb	ppb	24.8773	0.2	31634.0
Pb 220.353	19647.4xb	ppb	36.1681	0.2	39577.2
Sb 206.834	12.2670b	ppb	2.5644	20.9	15.9990
Se 196.026	6.5705b	ppb	8.2453	125.5	14.2411
Sn 189.925	4.3585b	ppb	3.0490	70.0	3.3314
Sr 216.596	0.3534b	ppb	0.4183	118.4	-185.740
Ti 334.941	31795.2b	ppb	124.318	0.4	8792630
Tl 190.794	118.155b	ppb	3.3437	2.8	88.4681
V 292.401	-1.1859b	ppb	0.4452	37.5	506.688
Zn 206.200	48.3339b	ppb	2.2295	4.6	93.5395

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

LRA2 (Samp) 4/2/2013, 7:26:02 PM Rack S, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0842u	-0.4039u	-0.3985u
Al 308.215	840390	841806	841484
As 188.980	109.954	83.6411	105.450
B 249.678	5.2915u	-1.5158u	-12.0418u
Ba 389.178	-18.4024	-18.7958	-15.5855
Be 313.042	-0.0471	-0.0609	-0.0520
Ca 370.602	778696	780027	778739
Cd 226.502	-9.7960	-9.8775	-9.1124
Co 228.615	12.0626	10.9991	13.2952
Cr 267.716	8.4129	8.6158	8.7748
Cu 324.754	5.9611	8.0191	8.0761
Fe 271.441	904878	906213	905875
K 766.491	363697x	363338x	365382x
Mg 279.078	847041	845166	848056
Mn 257.610	11.0289	11.1939	11.3830
Mo 202.032	2.1510u	4.5919u	2.8159u
Na 330.237	-42.5371u	59.8682u	-232.928u
Ni 231.604	10.3827	6.3202	3.9922
Pb 220.353	39.3508	32.2563	31.6140
Sb 206.834	-0.4127	2.9033	-5.6181
Se 196.026	-23.9222u	-22.3849u	-40.2292u
Sn 189.925	1.4033	-11.9672u	-9.0009u
Sr 216.596	16.3817	14.7156	14.2805
Ti 334.941	10.8882	10.7730	10.7602
Tl 190.794	-87.8852u	-89.4279u	-86.8271u
V 292.401	1.2766	1.0920	0.8570
Zn 206.200	29110.3	29039.6	29104.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2394b	ppb	0.2802	117.1	-116.241
Al 308.215	841227b	ppb	742.241	0.1	4373520
As 188.980	99.6818b	ppb	14.0730	14.1	67.8794
B 249.678	-2.7553b	ppb	8.7329	316.9	-987.132
Ba 389.178	-17.5946b	ppb	1.7510	10.0	3229.27
Be 313.042	-0.0533b	ppb	0.0070	13.1	-40.1568
Ca 370.602	779154b	ppb	756.3	0.1	2735002
Cd 226.502	-9.5953b	ppb	0.4202	4.4	1936.04
Co 228.615	12.1190b	ppb	1.1491	9.5	119.933
Cr 267.716	8.6012b	ppb	0.1814	2.1	654.163
Cu 324.754	7.3521b	ppb	1.2050	16.4	524.441
Fe 271.441	905655b	ppb	693.975	0.1	1731659
K 766.491	364139xb	ppb	1091.26	0.3	19415598
Mg 279.078	846754b	ppb	1466.21	0.2	2117974
Mn 257.610	11.2019b	ppb	0.1772	1.6	13155.5
Mo 202.032	3.1863b	ppb	1.2619	39.6	-12.2571
Na 330.237	-71.8655b	ppb	148.585	206.8	-576.697
Ni 231.604	6.8984b	ppb	3.2342	46.9	41.6259
Pb 220.353	34.4070b	ppb	4.2935	12.5	54.8740
Sb 206.834	-1.0425b	ppb	4.2955	412.0	23.0181
Se 196.026	-28.8454b	ppb	9.8885	34.3	-6.8956
Sn 189.925	-6.5216b	ppb	7.0216	107.7	-6.6745
Sr 216.596	15.1259b	ppb	1.1091	7.3	688.169
Ti 334.941	10.8072b	ppb	0.0705	0.7	6821.73
Tl 190.794	-88.0467b	ppb	1.3079	1.5	-142.484
V 292.401	1.0752b	ppb	0.2103	19.6	33.0373
Zn 206.200	29084.8b	ppb	39.2595	0.1	54629.2

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

RINSE (Samp) 4/2/2013, 7:32:27 PM Rack S, Tube 1

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7424u	0.2155	0.0536
Al 308.215	72.3950	107.543	131.964
As 188.980	51.7406	45.7302	45.2176
B 249.678	21.2488	19.5041	17.7683
Ba 389.178	0.2727	0.3162	-0.5698u
Be 313.042	0.0428	0.0569	0.0527
Ca 370.602	92.09	126.1	152.3
Cd 226.502	0.0358	0.0138	0.0548
Co 228.615	0.5670	0.0585	-0.2675u
Cr 267.716	0.1939	0.2624	0.0702
Cu 324.754	0.4606	0.4565	-0.0416u
Fe 271.441	90.0791	129.211	160.792
K 766.491	66.4496	70.6756	77.7511
Mg 279.078	95.4311	120.833	152.367
Mn 257.610	1.6538	2.0941	2.6228
Mo 202.032	-0.0647u	0.0747	-0.3687u
Na 330.237	-95.7684u	93.8493	40.6803
Ni 231.604	1.6341	-0.1377u	0.2821
Pb 220.353	-1.5035u	1.7791	0.4917
Sb 206.834	-6.2859u	-3.7053u	0.2367
Se 196.026	-5.3202u	0.3329	3.2998
Sn 189.925	-2.6066u	-0.4724u	0.3562
Sr 216.596	0.5731	0.3483	0.5168
Ti 334.941	2.0638	2.3046	2.6836
Tl 190.794	-0.0343u	-2.3765u	1.9334
V 292.401	0.5300	-0.2553u	-0.1960u
Zn 206.200	2.2673	2.2389	4.7519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1578	ppb	0.5127	325.0	-94.5892
Al 308.215	103.967	ppb	29.9449	28.8	629.737
As 188.980	47.5628	ppb	3.6272	7.6	33.4329
B 249.678	19.5070	ppb	1.7402	8.9	336.043
Ba 389.178	0.0064	ppb	0.4994	7845.6	-10.1898
Be 313.042	0.0508	ppb	0.0072	14.2	-139.820
Ca 370.602	123.5	ppb	30.21	24.5	432.0
Cd 226.502	0.0348	ppb	0.0205	58.9	10.1586
Co 228.615	0.1193	ppb	0.4205	352.3	6.4527
Cr 267.716	0.1755	ppb	0.0974	55.5	8.3087
Cu 324.754	0.2918	ppb	0.2888	99.0	-70.7535
Fe 271.441	126.694	ppb	35.4238	28.0	242.568
K 766.491	71.6255	ppb	5.7103	8.0	4025.72
Mg 279.078	122.877	ppb	28.5232	23.2	334.710
Mn 257.610	2.1235	ppb	0.4852	22.8	664.188
Mo 202.032	-0.1196	ppb	0.2267	189.6	10.3122
Na 330.237	12.9204	ppb	97.8094	757.0	-7.5807
Ni 231.604	0.5928	ppb	0.9259	156.2	0.3987
Pb 220.353	0.2558	ppb	1.6539	646.7	4.4342
Sb 206.834	-3.2515	ppb	3.2849	101.0	1.0708
Se 196.026	-0.5625	ppb	4.3792	778.5	2.6315
Sn 189.925	-0.9076	ppb	1.5286	168.4	-1.6995
Sr 216.596	0.4794	ppb	0.1170	24.4	12.3915
Ti 334.941	2.3506	ppb	0.3125	13.3	560.999
Tl 190.794	-0.1591	ppb	2.1576	1355.7	0.8926
V 292.401	0.0262	ppb	0.4373	1667.6	-3.0241
Zn 206.200	3.0860	ppb	1.4427	46.8	8.5645

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/2/2013, 7:38:50 PM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	499.929	485.842	498.528
Al 308.215	4945.33	4919.69	4937.49
As 188.980	522.530	517.585	522.659
B 249.678	521.710	527.908	529.010
Ba 389.178	4909.77	4883.09	4904.06
Be 313.042	491.004	487.704	489.265
Ca 370.602	4986	4958	4978
Cd 226.502	492.052	490.191	492.968
Co 228.615	500.455	498.789	499.709
Cr 267.716	4891.39	4866.63	4895.01
Cu 324.754	4878.80	4911.15	4929.00
Fe 271.441	5016.37	5004.07	5028.37
K 766.491	10051.9	9999.18	9986.39
Mg 279.078	4958.43	4934.19	4963.22
Mn 257.610	4968.23	4930.08	4965.98
Mo 202.032	501.202	499.283	502.569
Na 330.237	7411.20	7472.14	7428.32
Ni 231.604	2481.92	2473.83	2489.31
Pb 220.353	495.276	496.295	491.480
Sb 206.834	987.987	989.393	996.961
Se 196.026	4958.77	4934.02	4942.71
Sn 189.925	4995.36	4956.65	5012.77
Sr 216.596	2453.76	2435.50	2452.17
Ti 334.941	500.036	497.551	498.387
Tl 190.794	5059.62	5038.44	5063.86
V 292.401	4975.77	4954.02	4974.28
Zn 206.200	2484.73	2460.74	2479.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.767	ppb	7.7604	1.6	37482.0	98.95333
Al 308.215	4934.17	ppb	13.1381	0.3	25721.5	98.68340
As 188.980	520.925	ppb	2.8932	0.6	374.069	104.18492
B 249.678	526.210	ppb	3.9353	0.7	6308.98	21.04839Q
Ba 389.178	4898.98	ppb	14.0483	0.3	119104	97.97952
Be 313.042	489.324	ppb	1.6509	0.3	1037887	97.86488
Ca 370.602	4974	ppb	14.49	0.3	17838	99.48159
Cd 226.502	491.737	ppb	1.4150	0.3	19179.9	98.34740
Co 228.615	499.651	ppb	0.8342	0.2	6038.62	99.93017
Cr 267.716	4884.34	ppb	15.4467	0.3	242142	97.68688
Cu 324.754	4906.32	ppb	25.4431	0.5	235354	98.12633
Fe 271.441	5016.27	ppb	12.1522	0.2	9729.45	100.32539
K 766.491	10012.5	ppb	34.7383	0.3	534059	100.12499
Mg 279.078	4951.94	ppb	15.5608	0.3	12319.3	99.03889
Mn 257.610	4954.77	ppb	21.4056	0.4	1245477	99.09531
Mo 202.032	501.018	ppb	1.6507	0.3	3862.28	100.20360
Na 330.237	7437.22	ppb	31.4296	0.4	406.894	99.16293
Ni 231.604	2481.69	ppb	7.7392	0.3	7544.85	99.26745
Pb 220.353	494.350	ppb	2.5373	0.5	999.921	98.87008
Sb 206.834	991.447	ppb	4.8266	0.5	1001.07	99.14470
Se 196.026	4945.17	ppb	12.5580	0.3	2685.47	98.90335
Sn 189.925	4988.26	ppb	28.7265	0.6	4726.03	99.76524
Sr 216.596	2447.14	ppb	10.1178	0.4	29334.3	97.88573
Ti 334.941	498.658	ppb	1.2642	0.3	137833	99.73159
Tl 190.794	5053.97	ppb	13.6188	0.3	5392.77	101.07942
V 292.401	4968.02	ppb	12.1551	0.2	147468	99.36048
Zn 206.200	2474.96	ppb	12.5991	0.5	4623.14	98.99838

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/2/2013, 7:45:14 PM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4714u	0.8861	0.6397
Al 308.215	4.0015	3.6879	8.1855
As 188.980	15.5013	26.4674	14.2293
B 249.678	10.7631	9.4634	10.3339
Ba 389.178	0.5378	0.9695	1.1797
Be 313.042	0.0529	0.0643	0.1005
Ca 370.602	3.724	-0.9345u	3.669
Cd 226.502	0.2003	0.1216	0.1038
Co 228.615	-0.3915u	-0.6975u	-0.5902u
Cr 267.716	0.6658	0.8021	0.7282
Cu 324.754	0.8698	1.3549	1.1098
Fe 271.441	10.2443	6.1083	2.9625
K 766.491	3.1093	3.9034	4.6935
Mg 279.078	3.6114	3.3485	8.2134
Mn 257.610	0.2731	0.6100	0.9011
Mo 202.032	-0.5748u	-0.0329u	0.4449
Na 330.237	-56.0693u	-55.9704u	72.9524
Ni 231.604	1.7421	1.0832	1.1901
Pb 220.353	-2.6948u	-3.5624u	-1.5403u
Sb 206.834	-0.3769u	-5.6112u	-0.2109u
Se 196.026	-2.8598u	0.2766	-6.5439u
Sn 189.925	-0.3382u	-0.0222u	-1.5510u
Sr 216.596	0.5807	0.6555	0.2282
Ti 334.941	0.2743	0.2969	0.3629
Tl 190.794	-5.7124u	-0.4368u	2.1760
V 292.401	0.3650	0.3955	0.9876
Zn 206.200	0.0160	0.6677	0.6689

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3515	ppb	0.7232	205.7	-55.8822	0.35149
Al 308.215	5.2916	ppb	2.5110	47.5	116.736	5.29165
As 188.980	18.7326	ppb	6.7286	35.9	12.6766	18.73264Z
B 249.678	10.1868	ppb	0.6622	6.5	226.212	10.18678
Ba 389.178	0.8957	ppb	0.3273	36.5	10.9250	0.89567
Be 313.042	0.0726	ppb	0.0249	34.3	-93.6347	0.07260
Ca 370.602	2.153	ppb	2.674	124.2	3.716	2.15288
Cd 226.502	0.1419	ppb	0.0514	36.2	14.0228	0.14189
Co 228.615	-0.5597	ppb	0.1552	27.7	-1.7898	-0.55974
Cr 267.716	0.7320	ppb	0.0682	9.3	35.8535	0.73200
Cu 324.754	1.1115	ppb	0.2425	21.8	-31.4526	1.11149
Fe 271.441	6.4384	ppb	3.6521	56.7	12.5704	6.43837
K 766.491	3.9021	ppb	0.7921	20.3	414.806	3.90211
Mg 279.078	5.0578	ppb	2.7360	54.1	40.0377	5.05777
Mn 257.610	0.5947	ppb	0.3143	52.8	278.542	0.59474
Mo 202.032	-0.0543	ppb	0.5101	940.1	10.8209	-0.05427
Na 330.237	-13.0291	ppb	74.4622	571.5	-9.0393	-13.02910
Ni 231.604	1.3385	ppb	0.3537	26.4	2.6630	1.33846
Pb 220.353	-2.5992	ppb	1.0145	39.0	-1.3155	-2.59918
Sb 206.834	-2.0663	ppb	3.0711	148.6	2.2110	-2.06630
Se 196.026	-3.0424	ppb	3.4139	112.2	1.2858	-3.04237
Sn 189.925	-0.6371	ppb	0.8070	126.7	-1.4433	-0.63713
Sr 216.596	0.4882	ppb	0.2282	46.8	12.4228	0.48816
Ti 334.941	0.3114	ppb	0.0460	14.8	-3.4942	0.31136
Tl 190.794	-1.3244	ppb	4.0184	303.4	-0.3426	-1.32439
V 292.401	0.5827	ppb	0.3509	60.2	13.4518	0.58270
Zn 206.200	0.4509	ppb	0.3766	83.5	2.6133	0.45088

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271070/1-a (Samp) **4/2/2013, 7:51:38 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1666u	0.4606	-0.0211u
Al 308.215	2.9010	-0.6452u	1.2751
As 188.980	8.9467	11.6390	8.2161
B 249.678	2.1281	1.1154	1.3582
Ba 389.178	-0.7078u	0.0007	-0.6487u
Be 313.042	-0.0059u	-0.0011u	0.0008
Ca 370.602	9.823	6.720	4.308
Cd 226.502	0.0458	0.0697	0.1049
Co 228.615	-0.7122u	-0.0469u	0.2789
Cr 267.716	0.1854	-0.1379u	0.1907
Cu 324.754	0.7679	0.1269	0.5049
Fe 271.441	2.6658	1.7059	-1.7038u
K 766.491	1.4008	1.1302	1.8096
Mg 279.078	1.0601	-4.8313u	2.2784
Mn 257.610	-0.2199u	-0.2583u	-0.2031u
Mo 202.032	0.0512	-0.2713u	-0.1048u
Na 330.237	116.565	169.038	40.4287
Ni 231.604	0.8352	2.1489	0.5910
Pb 220.353	-0.8160u	1.5124	-1.6999u
Sb 206.834	-4.7092u	-1.1985u	-0.4151u
Se 196.026	-7.2643u	-3.2245u	1.7515
Sn 189.925	1.0300	-3.3442u	-1.4653u
Sr 216.596	-0.0317u	-0.3200u	0.2362
Ti 334.941	0.0821	0.1493	0.1116
Tl 190.794	-1.1593u	-0.6130u	0.7873
V 292.401	0.1094	-0.1569u	0.5445
Zn 206.200	-0.5200u	-1.1506u	-1.1152u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0910	ppb	0.3282	360.9	-75.6671
Al 308.215	1.1770	ppb	1.7751	150.8	95.2830
As 188.980	9.6006	ppb	1.8027	18.8	6.1021
B 249.678	1.5339	ppb	0.5287	34.5	124.121
Ba 389.178	-0.4520	ppb	0.3931	87.0	-21.8600
Be 313.042	-0.0021	ppb	0.0034	165.7	-252.007
Ca 370.602	6.950	ppb	2.765	39.8	21.47
Cd 226.502	0.0735	ppb	0.0298	40.5	11.3437
Co 228.615	-0.1601	ppb	0.5051	315.6	3.0441
Cr 267.716	0.0794	ppb	0.1882	237.1	3.4983
Cu 324.754	0.4666	ppb	0.3222	69.1	-62.4178
Fe 271.441	0.8893	ppb	2.2964	258.2	1.9881
K 766.491	1.4469	ppb	0.3420	23.6	283.896
Mg 279.078	-0.4976	ppb	3.8022	764.1	26.1575
Mn 257.610	-0.2271	ppb	0.0283	12.5	71.9202
Mo 202.032	-0.1083	ppb	0.1613	148.9	10.4057
Na 330.237	108.677	ppb	64.6663	59.5	-1.7787
Ni 231.604	1.1917	ppb	0.8379	70.3	2.2166
Pb 220.353	-0.3345	ppb	1.6594	496.1	3.2488
Sb 206.834	-2.1076	ppb	2.2869	108.5	2.1696
Se 196.026	-2.9124	ppb	4.5159	155.1	1.3560
Sn 189.925	-1.2598	ppb	2.1943	174.2	-2.0333
Sr 216.596	-0.0385	ppb	0.2781	722.4	6.1299
Ti 334.941	0.1143	ppb	0.0337	29.4	-58.0221
Tl 190.794	-0.3283	ppb	1.0040	305.8	0.7227
V 292.401	0.1657	ppb	0.3540	213.7	1.2124
Zn 206.200	-0.9286	ppb	0.3543	38.2	41.0256

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271070/2-a (Samp) 4/2/2013, 7:58:03 PM Rack 1, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.5902	34.9044	36.1105
Al 308.215	4821.44	4826.33	4859.04
As 188.980	116.138	122.076	117.476
B 249.678	191.816	191.678	194.058
Ba 389.178	101.857	103.049	102.862
Be 313.042	52.5558	52.5673	52.8559
Ca 370.602	4882	4882	4923
Cd 226.502	53.2455	52.6620	52.7287
Co 228.615	52.2619	53.5345	52.5290
Cr 267.716	103.028	103.192	104.078
Cu 324.754	102.240	104.045	103.309
Fe 271.441	4933.51	4940.38	4945.01
K 766.491	5219.59	5206.68	5240.18
Mg 279.078	4958.11	4955.59	4983.13
Mn 257.610	533.036	533.000	535.391
Mo 202.032	99.6472	100.673	101.365
Na 330.237	4543.94	4777.69	5044.55
Ni 231.604	102.301	101.470	103.432
Pb 220.353	50.3223	50.4070	51.1259
Sb 206.834	49.6881	44.9068	49.5117
Se 196.026	83.3025	95.0720	94.5080
Sn 189.925	198.903	192.486	195.903
Sr 216.596	101.852	101.209	102.909
Ti 334.941	98.2624	98.5399	98.9428
Tl 190.794	38.8745	36.6120	37.6521
V 292.401	100.666	100.847	101.321
Zn 206.200	103.983	102.389	103.231

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.5350	ppb	0.6049	1.7	2617.96
Al 308.215	4835.60	ppb	20.4413	0.4	25239.4
As 188.980	118.563	ppb	3.1148	2.6	84.5093
B 249.678	192.517	ppb	1.3357	0.7	2371.80
Ba 389.178	102.590	ppb	0.6411	0.6	2504.51
Be 313.042	52.6597	ppb	0.1700	0.3	111484
Ca 370.602	4896	ppb	23.79	0.5	17289
Cd 226.502	52.8787	ppb	0.3194	0.6	2081.23
Co 228.615	52.7752	ppb	0.6710	1.3	640.515
Cr 267.716	103.433	ppb	0.5651	0.5	5130.28
Cu 324.754	103.198	ppb	0.9074	0.9	4871.17
Fe 271.441	4939.63	ppb	5.7865	0.1	9455.37
K 766.491	5222.15	ppb	16.8973	0.3	278645
Mg 279.078	4965.61	ppb	15.2247	0.3	12437.5
Mn 257.610	533.809	ppb	1.3701	0.3	134351
Mo 202.032	100.562	ppb	0.8643	0.9	785.791
Na 330.237	4788.73	ppb	250.488	5.2	273.319
Ni 231.604	102.401	ppb	0.9847	1.0	310.087
Pb 220.353	50.6184	ppb	0.4416	0.9	105.707
Sb 206.834	48.0355	ppb	2.7110	5.6	50.5387
Se 196.026	90.9608	ppb	6.6383	7.3	52.4283
Sn 189.925	195.764	ppb	3.2105	1.6	184.671
Sr 216.596	101.990	ppb	0.8583	0.8	1228.35
Ti 334.941	98.5817	ppb	0.3421	0.3	27194.9
Tl 190.794	37.7129	ppb	1.1325	3.0	40.2762
V 292.401	100.945	ppb	0.3381	0.3	2974.61
Zn 206.200	103.201	ppb	0.7973	0.8	196.218

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271070/3-a (Samp) 4/2/2013, 8:04:28 PM Rack 1, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	204.312	202.012	203.335
Al 308.215	1946.84	1947.31	1948.88
As 188.980	235.303	224.560	218.742
B 249.678	383.906	386.488	389.321
Ba 389.178	201.386	201.158	200.563
Be 313.042	210.568	210.403	210.248
Ca 370.602	19594	19603	19585
Cd 226.502	205.255	205.603	205.218
Co 228.615	206.889	207.670	208.546
Cr 267.716	205.761	205.790	205.940
Cu 324.754	209.053	208.939	208.543
Fe 271.441	20522.3	20522.3	20511.7
K 766.491	19993.8	20019.6	19970.8
Mg 279.078	19992.7	20010.6	19950.4
Mn 257.610	2134.12	2134.73	2131.17
Mo 202.032	199.971	200.469	201.334
Na 330.237	17490.0	17358.9	17022.7
Ni 231.604	203.590	202.412	202.081
Pb 220.353	194.720	194.705	191.708
Sb 206.834	192.860	202.789	192.941
Se 196.026	191.187	196.711	192.317
Sn 189.925	196.597	195.704	193.740
Sr 216.596	211.813	212.622	210.627
Ti 334.941	197.197	197.318	197.160
Tl 190.794	38.5164	38.7100	34.9217
V 292.401	199.260	199.521	198.667
Zn 206.200	191.697	195.737	195.603

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.220	ppb	1.1541	0.6	15371.8
Al 308.215	1947.68	ppb	1.0637	0.1	10235.9
As 188.980	226.201	ppb	8.4019	3.7	161.934
B 249.678	386.572	ppb	2.7083	0.7	4643.22
Ba 389.178	201.036	ppb	0.4252	0.2	4962.63
Be 313.042	210.406	ppb	0.1596	0.1	446228
Ca 370.602	19594	ppb	8.955	0.0	69088
Cd 226.502	205.359	ppb	0.2125	0.1	8061.63
Co 228.615	207.701	ppb	0.8288	0.4	2507.62
Cr 267.716	205.830	ppb	0.0961	0.0	10216.2
Cu 324.754	208.845	ppb	0.2674	0.1	9947.67
Fe 271.441	20518.8	ppb	6.1163	0.0	39271.3
K 766.491	19994.8	ppb	24.4133	0.1	1066300
Mg 279.078	19984.6	ppb	30.9351	0.2	49979.4
Mn 257.610	2133.34	ppb	1.9013	0.1	536543
Mo 202.032	200.591	ppb	0.6899	0.3	1555.68
Na 330.237	17290.6	ppb	241.025	1.4	1010.44
Ni 231.604	202.695	ppb	0.7935	0.4	615.424
Pb 220.353	193.711	ppb	1.7344	0.9	394.243
Sb 206.834	196.197	ppb	5.7091	2.9	194.077
Se 196.026	193.405	ppb	2.9182	1.5	108.505
Sn 189.925	195.347	ppb	1.4615	0.7	184.287
Sr 216.596	211.687	ppb	1.0034	0.5	2548.75
Ti 334.941	197.225	ppb	0.0824	0.0	54541.6
Tl 190.794	37.3827	ppb	2.1335	5.7	36.6592
V 292.401	199.149	ppb	0.4374	0.2	5871.77
Zn 206.200	194.346	ppb	2.2953	1.2	367.025

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-1-b (Samp) 4/2/2013, 8:10:53 PM Rack 1, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.9035	0.0172	0.4910
Al 308.215	13.2461	18.0748	14.5019
As 188.980	6.0006	11.5806	1.9789
B 249.678	9.0009	7.7476	6.7533
Ba 389.178	157.007	157.337	157.714
Be 313.042	-0.0323u	-0.0229	-0.0169
Ca 370.602	183879	183168	182774
Cd 226.502	-0.1868	-0.0780	-0.0732
Co 228.615	10.7428	11.3184	11.5270
Cr 267.716	0.4699	0.3744	0.4113
Cu 324.754	0.9679	0.7375	0.6777
Fe 271.441	12468.9	12464.5	12401.2
K 766.491	2478.68	2474.64	2473.81
Mg 279.078	67535.2	67483.2	67118.2
Mn 257.610	19524.0	19776.6	19698.2
Mo 202.032	-0.0837u	0.1358	0.1879
Na 330.237	31734.3	31409.7	31609.3
Ni 231.604	10.8802	9.2311	10.8434
Pb 220.353	0.5832	1.8535	-1.1338
Sb 206.834	-7.7033u	-5.7856u	-4.6155u
Se 196.026	-4.1865	3.9123	-5.6411
Sn 189.925	-6.3769u	-1.3640u	2.0185
Sr 216.596	1306.42	1303.93	1300.10
Ti 334.941	0.1191	0.0564	0.0956
Tl 190.794	43.2240	53.3299	48.5959
V 292.401	5.1645	5.3025	5.3871
Zn 206.200	3.9921	2.2735	3.0261

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4705	ppb	0.4435	94.3	-17.5163
Al 308.215	15.2743	ppb	2.5053	16.4	168.510
As 188.980	6.5200	ppb	4.8219	74.0	5.5385
B 249.678	7.8339	ppb	1.1262	14.4	183.871
Ba 389.178	157.353	ppb	0.3541	0.2	4017.36
Be 313.042	-0.0240	ppb	0.0077	32.2	-240.933
Ca 370.602	183274	ppb	560.1	0.3	662425
Cd 226.502	-0.1127	ppb	0.0643	57.0	36.2752
Co 228.615	11.1961	ppb	0.4062	3.6	139.558
Cr 267.716	0.4185	ppb	0.0482	11.5	111.474
Cu 324.754	0.7944	ppb	0.1532	19.3	-43.2043
Fe 271.441	12444.8	ppb	37.8837	0.3	23797.4
K 766.491	2475.71	ppb	2.6060	0.1	132208
Mg 279.078	67378.9	ppb	227.234	0.3	168197
Mn 257.610	19666.3	ppb	129.314	0.7	4943520
Mo 202.032	0.0800	ppb	0.1441	180.1	11.1859
Na 330.237	31584.4	ppb	163.733	0.5	1867.56
Ni 231.604	10.3182	ppb	0.9416	9.1	30.2657
Pb 220.353	0.4343	ppb	1.4992	345.2	9.9350
Sb 206.834	-6.0348	ppb	1.5589	25.8	-1.3258
Se 196.026	-1.9718	ppb	5.1474	261.1	7.2675
Sn 189.925	-1.9075	ppb	4.2240	221.4	-2.5469
Sr 216.596	1303.48	ppb	3.1846	0.2	15688.7
Ti 334.941	0.0904	ppb	0.0317	35.0	234.948
Tl 190.794	48.3833	ppb	5.0563	10.5	21.3366
V 292.401	5.2847	ppb	0.1124	2.1	154.130
Zn 206.200	3.0972	ppb	0.8615	27.8	8.5832

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-2-b (Samp) 4/2/2013, 8:17:18 PM Rack 1, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7429	1.2854	0.5361
Al 308.215	28.0972	26.5797	28.0399
As 188.980	13.5897	11.4920	5.2179
B 249.678	14.3311	14.8855	15.6835
Ba 389.178	250.038	248.752	249.259
Be 313.042	-0.0101	-0.0149	-0.0064
Ca 370.602	222979	222610	221991
Cd 226.502	-2.4572	-2.5081	-2.2971
Co 228.615	45.1453	44.3602	44.0866
Cr 267.716	2.2700	2.4852	2.3698
Cu 324.754	3.2376	2.5686	3.5369
Fe 271.441	118149	118383	118402
K 766.491	2992.50	2992.70	3002.04
Mg 279.078	75337.8	75288.5	75231.1
Mn 257.610	16372.5	16365.7	16380.4
Mo 202.032	0.4182u	-0.1066u	-0.3990u
Na 330.237	68401.6	68708.3	68839.4
Ni 231.604	32.7418	34.1236	31.6564
Pb 220.353	2.7423	-1.4727	0.8604
Sb 206.834	0.3205	-9.3081u	-5.7121u
Se 196.026	-4.7158	-7.6417	-0.7998
Sn 189.925	3.0522	0.6308	-1.3249u
Sr 216.596	1442.88	1445.61	1439.13
Ti 334.941	-0.1847	-0.1634	-0.0664
Tl 190.794	31.3589	28.2940u	38.7190
V 292.401	60.1835	59.7838	60.0270
Zn 206.200	2.1545	2.7598	3.4281

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8548	ppb	0.3870	45.3	-10.5367
Al 308.215	27.5723	ppb	0.8601	3.1	231.471
As 188.980	10.0999	ppb	4.3560	43.1	7.2574
B 249.678	14.9667	ppb	0.6798	4.5	144.067
Ba 389.178	249.350	ppb	0.6479	0.3	6432.31
Be 313.042	-0.0104	ppb	0.0043	40.7	-205.184
Ca 370.602	222527	ppb	498.9	0.2	794567
Cd 226.502	-2.4208	ppb	0.1101	4.5	213.724
Co 228.615	44.5307	ppb	0.5495	1.2	537.780
Cr 267.716	2.3750	ppb	0.1077	4.5	219.660
Cu 324.754	3.1144	ppb	0.4958	15.9	97.5480
Fe 271.441	118312	ppb	140.780	0.1	226226
K 766.491	2995.74	ppb	5.4501	0.2	159936
Mg 279.078	75285.8	ppb	53.3701	0.1	188060
Mn 257.610	16372.9	ppb	7.3743	0.0	4116167
Mo 202.032	-0.0291	ppb	0.4141	1421.8	4.6227
Na 330.237	68649.8	ppb	224.678	0.3	4037.43
Ni 231.604	32.8406	ppb	1.2366	3.8	101.280
Pb 220.353	0.7100	ppb	2.1115	297.4	9.6173
Sb 206.834	-4.8999	ppb	4.8654	99.3	2.0946
Se 196.026	-4.3858	ppb	3.4329	78.3	5.7441
Sn 189.925	0.7860	ppb	2.1927	279.0	0.0368
Sr 216.596	1442.54	ppb	3.2561	0.2	17411.1
Ti 334.941	-0.1382	ppb	0.0631	45.6	216.314
Tl 190.794	32.7906	ppb	5.3580	16.3	4.1047
V 292.401	59.9981	ppb	0.2014	0.3	1782.72
Zn 206.200	2.7808	ppb	0.6371	22.9	47.9802

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-3-b (Samp) 4/2/2013, 8:23:54 PM Rack 1, Tube 8
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4101	-0.3446	0.9909
Al 308.215	66.5113	65.0238	66.4829
As 188.980	8.3429	10.9311	3.0673
B 249.678	-1.4695u	-1.1443u	-1.8853u
Ba 389.178	284.528	285.222	285.539
Be 313.042	0.0633	0.0685	0.0616
Ca 370.602	53402	53286	53292
Cd 226.502	-0.3131	-0.2860	-0.3688
Co 228.615	105.466	104.395	104.842
Cr 267.716	8.9446	8.8609	8.6633
Cu 324.754	3.6826	4.3256	4.5963
Fe 271.441	10532.1	10557.2	10583.0
K 766.491	3703.43	3696.47	3687.82
Mg 279.078	26094.3	26064.3	26098.1
Mn 257.610	12945.1	12952.9	12956.0
Mo 202.032	0.2280	0.1832	0.2580
Na 330.237	16590.2	16887.0	16871.1
Ni 231.604	68.3004	68.1628	67.2414
Pb 220.353	0.2518	-0.1196	-3.2279u
Sb 206.834	-5.9529u	-0.1244	-5.6526u
Se 196.026	7.1740	-4.5861	-0.5934
Sn 189.925	0.2509	-1.6341u	-0.5770u
Sr 216.596	498.678	498.501	498.780
Ti 334.941	0.0540	0.1002	0.0123
Tl 190.794	34.7355	33.7414	28.1464
V 292.401	5.1466	5.9465	5.6572
Zn 206.200	12.3015	11.5076	12.6055

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3521	ppb	0.6696	190.2	-19.6847
Al 308.215	66.0060	ppb	0.8507	1.3	432.283
As 188.980	7.4471	ppb	4.0077	53.8	4.9544
B 249.678	-1.4997	ppb	0.3714	24.8	75.9677
Ba 389.178	285.096	ppb	0.5172	0.2	7006.22
Be 313.042	0.0645	ppb	0.0036	5.6	-98.0946
Ca 370.602	53327	ppb	65.31	0.1	192333
Cd 226.502	-0.3226	ppb	0.0422	13.1	22.8386
Co 228.615	104.901	ppb	0.5380	0.5	1269.53
Cr 267.716	8.8229	ppb	0.1445	1.6	497.490
Cu 324.754	4.2015	ppb	0.4693	11.2	119.780
Fe 271.441	10557.4	ppb	25.4631	0.2	20204.7
K 766.491	3695.91	ppb	7.8210	0.2	197267
Mg 279.078	26085.6	ppb	18.5516	0.1	65033.7
Mn 257.610	12951.3	ppb	5.6105	0.0	3255462
Mo 202.032	0.2231	ppb	0.0376	16.9	12.3885
Na 330.237	16782.8	ppb	166.923	1.0	987.031
Ni 231.604	67.9016	ppb	0.5758	0.8	205.315
Pb 220.353	-1.0319	ppb	1.9108	185.2	5.1839
Sb 206.834	-3.9100	ppb	3.2818	83.9	0.7494
Se 196.026	0.6648	ppb	5.9802	899.5	6.8655
Sn 189.925	-0.6534	ppb	0.9448	144.6	-1.4264
Sr 216.596	498.653	ppb	0.1413	0.0	6005.39
Ti 334.941	0.0555	ppb	0.0440	79.3	41.9299
Tl 190.794	32.2078	ppb	3.5522	11.0	14.7259
V 292.401	5.5834	ppb	0.4050	7.3	161.998
Zn 206.200	12.1382	ppb	0.5669	4.7	25.5335

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-4-b (Samp) 4/2/2013, 8:30:20 PM Rack 1, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4448	0.3922	0.2977
Al 308.215	7.4321	5.9409	3.6106
As 188.980	-0.8551u	-0.0982	-0.1999
B 249.678	-1.8079u	-1.0237u	-1.9343u
Ba 389.178	88.5638	89.2937	88.7773
Be 313.042	-0.0230u	-0.0070	-0.0178u
Ca 370.602	53474	53626	53674
Cd 226.502	-0.2894	-0.2656	-0.2949
Co 228.615	15.8250	15.6761	15.7446
Cr 267.716	0.1034	0.4759	0.3194
Cu 324.754	0.0618	0.4515	0.2682
Fe 271.441	9930.15	9905.33	9892.68
K 766.491	1688.66	1677.88	1676.08
Mg 279.078	17957.1	17979.5	18018.0
Mn 257.610	6434.92	6424.07	6431.21
Mo 202.032	3.3172	2.3769	2.9809
Na 330.237	9520.24	9159.67	9377.20
Ni 231.604	2.8645	2.5077	3.5059
Pb 220.353	1.8669	-2.3705u	-5.1784u
Sb 206.834	-6.1465u	-17.3312u	-6.2783u
Se 196.026	1.1266	-12.4198u	-9.2606u
Sn 189.925	2.3810	-1.7317u	-1.2764u
Sr 216.596	398.221	400.211	398.504
Ti 334.941	0.0231	0.1011	0.0740
Tl 190.794	14.8719	16.4935	13.3174
V 292.401	0.3692	0.6921	0.9263
Zn 206.200	-0.8764u	0.3316	1.2460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3782	ppb	0.0746	19.7	-43.0013
Al 308.215	5.6612	ppb	1.9260	34.0	118.973
As 188.980	-0.3844	ppb	0.4108	106.9	-0.6759
B 249.678	-1.5886	ppb	0.4933	31.1	75.6705
Ba 389.178	88.8783	ppb	0.3753	0.4	2213.54
Be 313.042	-0.0159	ppb	0.0082	51.3	-265.350
Ca 370.602	53591	ppb	104.7	0.2	193142
Cd 226.502	-0.2833	ppb	0.0156	5.5	22.6761
Co 228.615	15.7486	ppb	0.0745	0.5	194.414
Cr 267.716	0.2996	ppb	0.1870	62.4	45.6513
Cu 324.754	0.2605	ppb	0.1950	74.8	-69.4220
Fe 271.441	9909.39	ppb	19.0616	0.2	18950.3
K 766.491	1680.87	ppb	6.8035	0.4	89828.5
Mg 279.078	17984.8	ppb	30.7933	0.2	44894.2
Mn 257.610	6430.07	ppb	5.5162	0.1	1616396
Mo 202.032	2.8917	ppb	0.4764	16.5	32.9992
Na 330.237	9352.37	ppb	181.562	1.9	545.041
Ni 231.604	2.9594	ppb	0.5058	17.1	7.8286
Pb 220.353	-1.8940	ppb	3.5468	187.3	1.7772
Sb 206.834	-9.9187	ppb	6.4198	64.7	-5.1564
Se 196.026	-6.8512	ppb	7.0873	103.4	1.0251
Sn 189.925	-0.2090	ppb	2.2545	1078.6	-1.0083
Sr 216.596	398.979	ppb	1.0767	0.3	4809.08
Ti 334.941	0.0660	ppb	0.0396	60.0	9.2133
Tl 190.794	14.8943	ppb	1.5881	10.7	6.3898
V 292.401	0.6625	ppb	0.2797	42.2	15.4483
Zn 206.200	0.2337	ppb	1.0645	455.5	3.2068

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-5-b (Samp) 4/2/2013, 8:36:47 PM Rack 1, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2564	-0.2662u	0.2664
Al 308.215	4.2149	3.7287	5.9179
As 188.980	1.6033	-1.1920u	0.9001
B 249.678	-2.3115u	-1.9886u	-2.8122u
Ba 389.178	94.0425	94.7597	93.6500
Be 313.042	-0.0111u	-0.0192u	-0.0089u
Ca 370.602	56614	56648	56540
Cd 226.502	-0.0505	-0.2427	-0.1615
Co 228.615	16.2876	17.3365	15.4451
Cr 267.716	0.0871	0.2583	-0.0311
Cu 324.754	0.4949	0.9261	1.0514
Fe 271.441	10470.6	10448.2	10434.3
K 766.491	1770.22	1769.24	1764.95
Mg 279.078	19017.4	18969.6	18932.2
Mn 257.610	6788.21	6781.35	6758.76
Mo 202.032	3.3015	2.4973	2.8883
Na 330.237	9827.16	10164.7	9789.67
Ni 231.604	0.6590	1.6629	3.0596
Pb 220.353	1.8799	-3.0680u	-2.1969u
Sb 206.834	-0.8687u	-1.5248u	-4.5674u
Se 196.026	-0.8608	0.0510	0.7390
Sn 189.925	-1.2532u	-0.7770u	-0.5181u
Sr 216.596	422.162	422.094	421.051
Ti 334.941	0.0115	-0.0038	-0.0329
Tl 190.794	20.6019	12.8257	12.0493
V 292.401	0.3544	0.3449	0.1658
Zn 206.200	-0.7774u	-0.0765u	1.1387

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0855	ppb	0.3046	356.1	-64.6656
Al 308.215	4.6205	ppb	1.1496	24.9	113.533
As 188.980	0.4371	ppb	1.4540	332.6	-0.0621
B 249.678	-2.3707	ppb	0.4150	17.5	65.8091
Ba 389.178	94.1507	ppb	0.5627	0.6	2345.23
Be 313.042	-0.0131	ppb	0.0054	41.4	-258.324
Ca 370.602	56601	ppb	55.15	0.1	203990
Cd 226.502	-0.1516	ppb	0.0965	63.7	29.1851
Co 228.615	16.3564	ppb	0.9476	5.8	201.733
Cr 267.716	0.1048	ppb	0.1455	138.8	37.6605
Cu 324.754	0.8241	ppb	0.2919	35.4	-42.2217
Fe 271.441	10451.0	ppb	18.3064	0.2	19985.9
K 766.491	1768.14	ppb	2.8050	0.2	94481.5
Mg 279.078	18973.1	ppb	42.7246	0.2	47359.8
Mn 257.610	6776.11	ppb	15.4064	0.2	1703378
Mo 202.032	2.8957	ppb	0.4022	13.9	33.0024
Na 330.237	9927.16	ppb	206.529	2.1	579.073
Ni 231.604	1.7939	ppb	1.2056	67.2	4.2975
Pb 220.353	-1.1283	ppb	2.6414	234.1	3.4098
Sb 206.834	-2.3203	ppb	1.9735	85.1	2.1574
Se 196.026	-0.0236	ppb	0.8025	3403.9	4.8227
Sn 189.925	-0.8494	ppb	0.3729	43.9	-1.6136
Sr 216.596	421.769	ppb	0.6228	0.1	5083.42
Ti 334.941	-0.0084	ppb	0.0226	268.5	-6.9250
Tl 190.794	15.1590	ppb	4.7297	31.2	6.1094
V 292.401	0.2884	ppb	0.1062	36.8	4.3894
Zn 206.200	0.0949	ppb	0.9695	1021.6	4.29466

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-1-a (Samp) 4/2/2013, 8:43:23 PM Rack 1, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2934	-0.2381u	-0.3822u
Al 308.215	7.1912	8.6967	5.9342
As 188.980	3.6672	0.2473	5.2562
B 249.678	-2.3532u	-3.5631u	-2.8788u
Ba 389.178	71.4122	73.0816	73.4616
Be 313.042	-0.0181u	-0.0204u	-0.0125u
Ca 370.602	73438	73527	73316
Cd 226.502	-0.7097	-0.4737	-0.7858
Co 228.615	20.8934	19.9030	20.5306
Cr 267.716	0.2653	0.0596	0.4243
Cu 324.754	0.3812	2.3897	0.9597
Fe 271.441	21957.6	21932.5	21918.7
K 766.491	2010.01	2012.52	2011.19
Mg 279.078	22272.8	22272.8	22230.6
Mn 257.610	7744.86	7745.70	7722.97
Mo 202.032	6.6405	5.9077	5.9547
Na 330.237	9659.43	9461.30	9426.32
Ni 231.604	2.6275	3.3576	2.3021
Pb 220.353	1.7859	2.3706	0.9674
Sb 206.834	-5.9657u	-4.9074u	-0.0743
Se 196.026	-5.5625u	-1.5847	-0.4666
Sn 189.925	-3.1453u	-1.7623u	-1.6487u
Sr 216.596	473.728	475.543	472.304
Ti 334.941	0.0803	0.1131	0.0469
Tl 190.794	15.7386	16.4045	18.7931
V 292.401	0.6466	0.6227	0.3678
Zn 206.200	4.3828	3.5720	4.0705

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1089	ppb	0.3558	326.6	-77.5600
Al 308.215	7.2740	ppb	1.3831	19.0	127.748
As 188.980	3.0569	ppb	2.5596	83.7	1.8547
B 249.678	-2.9317	ppb	0.6067	20.7	45.7339
Ba 389.178	72.6518	ppb	1.0902	1.5	1848.70
Be 313.042	-0.0170	ppb	0.0040	23.8	-261.234
Ca 370.602	73427	ppb	105.6	0.1	263828
Cd 226.502	-0.6564	ppb	0.1627	24.8	38.5997
Co 228.615	20.4424	ppb	0.5011	2.5	250.475
Cr 267.716	0.2498	ppb	0.1828	73.2	51.9229
Cu 324.754	1.2435	ppb	1.0339	83.1	-18.7523
Fe 271.441	21936.3	ppb	19.6933	0.1	41946.9
K 766.491	2011.24	ppb	1.2561	0.1	107443
Mg 279.078	22258.7	ppb	24.3699	0.1	55562.7
Mn 257.610	7737.84	ppb	12.8888	0.2	1945155
Mo 202.032	6.1676	ppb	0.4101	6.7	57.6091
Na 330.237	9515.68	ppb	125.710	1.3	550.579
Ni 231.604	2.7624	ppb	0.5405	19.6	7.5172
Pb 220.353	1.7080	ppb	0.7048	41.3	9.3697
Sb 206.834	-3.6491	ppb	3.1408	86.1	1.0858
Se 196.026	-2.5379	ppb	2.6783	105.5	3.7936
Sn 189.925	-2.1854	ppb	0.8332	38.1	-2.8719
Sr 216.596	473.858	ppb	1.6231	0.3	5716.06
Ti 334.941	0.0801	ppb	0.0331	41.3	33.5259
Tl 190.794	16.9787	ppb	1.6062	9.5	5.9210
V 292.401	0.5457	ppb	0.1545	28.3	11.3356
Zn 206.200	4.0084	ppb	0.4089	10.2	10.2962

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-1-aSD^5 (Samp) 4/2/2013, 8:49:51 PM Rack 1, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0401	0.3053	-0.0054
Al 308.215	1.7465	5.4007	6.5368
As 188.980	-0.8759u	1.0737	2.5483
B 249.678	-3.7768u	-3.6194u	-3.9459u
Ba 389.178	14.5462	14.2507	15.4733
Be 313.042	-0.0046u	-0.0022	-0.0013
Ca 370.602	15871	15921	15895
Cd 226.502	-0.0157	0.1087	0.0687
Co 228.615	4.8090	4.3993	3.8317
Cr 267.716	0.0965	0.3363	0.0352
Cu 324.754	-0.0819u	-0.1209u	-0.3350u
Fe 271.441	4778.64	4783.15	4793.71
K 766.491	423.052	424.443	425.095
Mg 279.078	4793.97	4814.41	4811.66
Mn 257.610	1736.81	1741.81	1740.30
Mo 202.032	0.8103	1.8025	1.3625
Na 330.237	2093.11	2273.74	2014.29
Ni 231.604	1.4296	-0.5769u	0.9376
Pb 220.353	-0.0343	0.2730	-0.5961u
Sb 206.834	-6.0337u	-4.7512u	-8.6828u
Se 196.026	-8.2260u	0.3157	-12.1077u
Sn 189.925	-2.2034u	1.4401	0.3051
Sr 216.596	103.303	104.580	104.833
Ti 334.941	0.0672	0.0114	0.0145
Tl 190.794	-0.2438u	5.1136	1.1217u
V 292.401	-0.3424u	0.0859	0.1446
Zn 206.200	0.1883	1.6970	1.6091

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0866	ppb	0.1902	219.6	-72.8746
Al 308.215	4.5613	ppb	2.5030	54.9	113.073
As 188.980	0.9153	ppb	1.7176	187.6	-0.0509
B 249.678	-3.7807	ppb	0.1633	4.3	55.8153
Ba 389.178	14.7567	ppb	0.6379	4.3	368.095
Be 313.042	-0.0027	ppb	0.0017	63.3	-248.536
Ca 370.602	15896	ppb	25.13	0.2	57111
Cd 226.502	0.0539	ppb	0.0635	117.9	22.7096
Co 228.615	4.3467	ppb	0.4908	11.3	57.1594
Cr 267.716	0.1560	ppb	0.1591	102.0	16.2455
Cu 324.754	-0.1793	ppb	0.1363	76.0	-92.0166
Fe 271.441	4785.17	ppb	7.7358	0.2	9150.52
K 766.491	424.197	ppb	1.0438	0.2	22824.3
Mg 279.078	4806.68	ppb	11.0897	0.2	12018.7
Mn 257.610	1739.64	ppb	2.5631	0.1	437413
Mo 202.032	1.3251	ppb	0.4972	37.5	21.1996
Na 330.237	2127.05	ppb	133.010	6.3	116.700
Ni 231.604	0.5967	ppb	1.0458	175.3	0.5217
Pb 220.353	-0.1191	ppb	0.4407	369.9	4.1334
Sb 206.834	-6.4892	ppb	2.0050	30.9	-1.9541
Se 196.026	-6.6727	ppb	6.3557	95.2	-0.1813
Sn 189.925	-0.1528	ppb	1.8644	1220.5	-0.9759
Sr 216.596	104.239	ppb	0.8201	0.8	1262.49
Ti 334.941	0.0310	ppb	0.0313	101.0	-59.2327
Tl 190.794	1.9972	ppb	2.7839	139.4	0.2277
V 292.401	-0.0373	ppb	0.2659	712.8	-5.1414
Zn 206.200	1.1648	ppb	0.8468	72.7	4.9564

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/2/2013, 8:56:16 PM Rack 1, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	490.805	495.570	493.724
Al 308.215	4914.76	4950.97	4902.14
As 188.980	485.451	492.390	497.173
B 249.678	515.110	523.049	525.223
Ba 389.178	4895.75	4934.00	4915.95
Be 313.042	489.312	493.761	490.549
Ca 370.602	4951	5015	4973
Cd 226.502	494.872	498.540	497.697
Co 228.615	501.626	504.736	504.212
Cr 267.716	4868.63	4907.38	4868.73
Cu 324.754	4853.46	4933.35	5023.36
Fe 271.441	5025.60	5056.28	5053.51
K 766.491	9931.86	10048.7	9956.58
Mg 279.078	4946.76	4982.57	4976.01
Mn 257.610	4963.30	4994.88	4976.70
Mo 202.032	499.168	504.648	500.345
Na 330.237	7393.48	7473.21	7425.47
Ni 231.604	2487.51	2509.37	2499.46
Pb 220.353	493.805	496.934	495.829
Sb 206.834	979.090	982.468	979.460
Se 196.026	4949.00	4981.03	4983.88
Sn 189.925	4967.42	5023.19	4992.14
Sr 216.596	2440.81	2458.73	2438.54
Ti 334.941	495.817	500.997	495.318
Tl 190.794	5069.07	5121.72	5122.86
V 292.401	4966.66	5006.91	4988.95
Zn 206.200	2482.74	2503.83	2489.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.367	ppb	2.4024	0.5	37374.3	98.67334
Al 308.215	4922.63	ppb	25.3455	0.5	25661.5	98.45251
As 188.980	491.671	ppb	5.8937	1.2	353.007	98.33427
B 249.678	521.127	ppb	5.3233	1.0	6248.99	20.84509Q
Ba 389.178	4915.23	ppb	19.1319	0.4	119500	98.30468
Be 313.042	491.207	ppb	2.2964	0.5	1041882	98.24147
Ca 370.602	4980	ppb	32.48	0.7	17859	99.60004
Cd 226.502	497.036	ppb	1.9212	0.4	19386.4	99.40728
Co 228.615	503.525	ppb	1.6652	0.3	6085.35	100.70497
Cr 267.716	4881.58	ppb	22.3453	0.5	242005	97.63160
Cu 324.754	4936.72	ppb	84.9996	1.7	236813	98.73441
Fe 271.441	5045.13	ppb	16.9693	0.3	9784.99	100.90260
K 766.491	9979.05	ppb	61.5818	0.6	532276	99.79050
Mg 279.078	4968.45	ppb	19.0654	0.4	12360.2	99.36894
Mn 257.610	4978.30	ppb	15.8522	0.3	1251391	99.56592
Mo 202.032	501.387	ppb	2.8846	0.6	3865.08	100.27742
Na 330.237	7430.72	ppb	40.1260	0.5	406.333	99.07627
Ni 231.604	2498.78	ppb	10.9472	0.4	7596.81	99.95107
Pb 220.353	495.522	ppb	1.5869	0.3	1002.28	99.10449
Sb 206.834	980.340	ppb	1.8523	0.2	990.627	98.03396
Se 196.026	4971.31	ppb	19.3667	0.4	2699.64	99.42610
Sn 189.925	4994.25	ppb	27.9448	0.6	4731.70	99.88492
Sr 216.596	2446.03	ppb	11.0588	0.5	29320.5	97.84114
Ti 334.941	497.377	ppb	3.1444	0.6	137479	99.47549
Tl 190.794	5104.55	ppb	30.7316	0.6	5446.77	102.09103
V 292.401	4987.51	ppb	20.1614	0.4	148046	99.75011
Zn 206.200	2492.07	ppb	10.7538	0.4	4665.19	99.68292

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/2/2013, 9:02:39 PM Rack 1, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3116u	-0.3775u	0.6459
Al 308.215	0.2411	2.3309	1.3484
As 188.980	6.4911	6.6475	4.1436
B 249.678	5.3094	4.9055	3.7461
Ba 389.178	1.4438	0.3763	0.9705
Be 313.042	0.0828	0.1040	0.1122
Ca 370.602	6.269	1.830	-4.028u
Cd 226.502	0.0535	0.2478	0.0250
Co 228.615	-0.2349u	-0.7930u	-0.4332u
Cr 267.716	0.8627	1.0862	1.0799
Cu 324.754	1.2514	1.4129	1.4345
Fe 271.441	-4.9455u	-2.1410u	2.8478
K 766.491	4.3185	4.3618	4.3258
Mg 279.078	-0.8893u	-0.1712u	5.8279
Mn 257.610	0.8458	1.0762	1.2246
Mo 202.032	0.4809	0.4223	-0.1519u
Na 330.237	84.4973	10.4693	398.711
Ni 231.604	0.1627	1.1441	2.8467
Pb 220.353	0.2228	-3.0682u	1.2733
Sb 206.834	0.8780	-0.3093u	-1.9597u
Se 196.026	-2.2365u	-2.9187u	0.7619
Sn 189.925	2.2520	0.2981	1.5795
Sr 216.596	1.2168	0.9489	0.4408
Ti 334.941	0.1209	0.1504	0.2044
Tl 190.794	1.0863	2.5670	-1.9816u
V 292.401	1.1066	1.0801	1.3361
Zn 206.200	-1.1450u	0.0030	0.7675

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0144	ppb	0.5728	3970.8	-83.6965	-0.01442
Al 308.215	1.3068	ppb	1.0455	80.0	96.0108	1.30680
As 188.980	5.7607	ppb	1.4026	24.3	3.3374	5.76073
B 249.678	4.6537	ppb	0.8115	17.4	160.935	4.65366
Ba 389.178	0.9302	ppb	0.5349	57.5	11.7434	0.93020
Be 313.042	0.0997	ppb	0.0152	15.2	-36.2081	0.09968
Ca 370.602	1.357	ppb	5.165	380.5	1.576	1.35728
Cd 226.502	0.1088	ppb	0.1213	111.5	12.7115	0.10879
Co 228.615	-0.4870	ppb	0.2829	58.1	-0.9171	-0.48704
Cr 267.716	1.0096	ppb	0.1273	12.6	49.6169	1.00964
Cu 324.754	1.3663	ppb	0.1000	7.3	-19.2319	1.36628
Fe 271.441	-1.4129	ppb	3.9473	279.4	-2.4478	-1.41291
K 766.491	4.3354	ppb	0.0232	0.5	437.906	4.33536
Mg 279.078	1.5892	ppb	3.6884	232.1	31.3527	1.58918
Mn 257.610	1.0489	ppb	0.1909	18.2	392.629	1.04890
Mo 202.032	0.2504	ppb	0.3497	139.6	13.1684	0.25043
Na 330.237	164.559	ppb	206.132	125.3	1.5411	164.55917
Ni 231.604	1.3845	ppb	1.3581	98.1	2.8028	1.38450
Pb 220.353	-0.5240	ppb	2.2651	432.2	2.8664	-0.52404
Sb 206.834	-0.4637	ppb	1.4251	307.4	3.7532	-0.46366
Se 196.026	-1.4645	ppb	1.9580	133.7	2.1414	-1.46447
Sn 189.925	1.3765	ppb	0.9926	72.1	0.4650	1.37654
Sr 216.596	0.8689	ppb	0.3941	45.4	16.9778	0.86887
Ti 334.941	0.1586	ppb	0.0424	26.7	-45.7805	0.15857
Tl 190.794	0.5572	ppb	2.3200	416.4	1.6667	0.55721
V 292.401	1.1743	ppb	0.1407	12.0	31.0423	1.17426
Zn 206.200	-0.1248	ppb	0.9626	271.3	2.5312	-0.12481

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-1-aPDS (Samp) **4/2/2013, 9:09:03 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.6821	49.5580	50.3315
Al 308.215	1953.81	1950.59	1948.61
As 188.980	2227.24	2221.12	2216.16
B 249.678	-0.4663u	-0.1082u	-0.0448u
Ba 389.178	2190.28	2180.06	2182.85
Be 313.042	52.8944	52.6282	52.7273
Ca 370.602	72750	72586	72620
Cd 226.502	52.3561	52.0507	52.2547
Co 228.615	566.721	550.311	553.371
Cr 267.716	209.166	208.578	208.175
Cu 324.754	270.615	266.647	266.666
Fe 271.441	22821.9	22709.3	22712.3
K 766.491	1993.88	1981.95	1986.36
Mg 279.078	22042.5	21944.4	21997.7
Mn 257.610	8215.91	8179.27	8183.30
Mo 202.032	6.4711	5.7188	6.1325
Na 330.237	9606.99	9432.94	9319.64
Ni 231.604	521.190	521.654	520.685
Pb 220.353	497.879	496.996	495.472
Sb 206.834	501.713	499.763	502.697
Se 196.026	2034.07	2034.60	2037.70
Sn 189.925	-0.6518u	-0.1495u	-4.3744u
Sr 216.596	471.176	470.416	469.990
Ti 334.941	0.1688	0.1974	0.1804
Tl 190.794	2099.14	2076.84	2087.87
V 292.401	509.094	505.879	506.932
Zn 206.200	523.301	520.234	521.830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.1905	ppb	0.5751	1.1	3752.68
Al 308.215	1951.00	ppb	2.6226	0.1	10224.8
As 188.980	2221.51	ppb	5.5518	0.2	1599.03
B 249.678	-0.2064	ppb	0.2273	110.1	76.9041
Ba 389.178	2184.40	ppb	5.2821	0.2	53181.0
Be 313.042	52.7499	ppb	0.1345	0.3	111696
Ca 370.602	72652	ppb	86.73	0.1	260968
Cd 226.502	52.2205	ppb	0.1555	0.3	2100.85
Co 228.615	556.801	ppb	8.7261	1.6	6718.65
Cr 267.716	208.640	ppb	0.4985	0.2	10380.8
Cu 324.754	267.976	ppb	2.2853	0.9	12778.1
Fe 271.441	22747.9	ppb	64.1497	0.3	43595.3
K 766.491	1987.39	ppb	6.0321	0.3	106172
Mg 279.078	21994.9	ppb	49.0884	0.2	54893.6
Mn 257.610	8192.83	ppb	20.0920	0.2	2059508
Mo 202.032	6.1075	ppb	0.3768	6.2	56.0827
Na 330.237	9453.19	ppb	144.745	1.5	542.095
Ni 231.604	521.177	ppb	0.4842	0.1	1583.89
Pb 220.353	496.782	ppb	1.2178	0.2	1006.84
Sb 206.834	501.391	ppb	1.4937	0.3	488.683
Se 196.026	2035.46	ppb	1.9597	0.1	1108.88
Sn 189.925	-1.7252	ppb	2.3080	133.8	-2.4363
Sr 216.596	470.527	ppb	0.6008	0.1	5666.50
Ti 334.941	0.1822	ppb	0.0144	7.9	60.8561
Tl 190.794	2087.95	ppb	11.1523	0.5	2217.29
V 292.401	507.302	ppb	1.6394	0.3	15083.3
Zn 206.200	521.789	ppb	1.5340	0.3	982.007

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-2-a (Samp) 4/2/2013, 9:15:27 PM Rack 1, Tube 16
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5698	0.5103	0.0245u
Al 308.215	32.3661	35.2098	33.7199
As 188.980	4.6220	-0.0859	9.6939
B 249.678	63.0610	62.7680	63.6699
Ba 389.178	341.710	337.907	341.877
Be 313.042	-0.0504u	-0.0470	-0.0404
Ca 370.602	279049	278200	279615
Cd 226.502	0.1754	0.1352	0.1369
Co 228.615	7.2318	7.4226	7.3761
Cr 267.716	0.4373	0.9041	0.7163
Cu 324.754	0.6387	0.6239	0.7323
Fe 271.441	6878.71	6835.25	6894.42
K 766.491	3045.98	3026.77	3055.47
Mg 279.078	35469.8	35158.5	35401.1
Mn 257.610	1947.02	1929.81	1946.02
Mo 202.032	3.3050	2.2276	1.6160
Na 330.237	27716.0	27699.0	27899.7
Ni 231.604	14.4509	13.5520	14.0159
Pb 220.353	-1.8361u	-2.6301u	-0.0442
Sb 206.834	-0.5284u	-4.0485u	2.8093
Se 196.026	0.4554	-5.5000u	-14.4225u
Sn 189.925	0.4564	-2.5574u	-1.7544u
Sr 216.596	707.484	701.237	704.074
Ti 334.941	0.8269	0.7373	0.9420
Tl 190.794	-0.2107u	5.4573	6.9816
V 292.401	0.1708	0.3211	-0.1761u
Zn 206.200	18.2200	18.0557	16.8012

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3682	ppb	0.2992	81.3	-79.5564
Al 308.215	33.7652	ppb	1.4224	4.2	265.025
As 188.980	4.7433	ppb	4.8910	103.1	5.2741
B 249.678	63.1663	ppb	0.4601	0.7	843.310
Ba 389.178	340.498	ppb	2.2451	0.7	8373.04
Be 313.042	-0.0459	ppb	0.0051	11.0	-242.475
Ca 370.602	278955	ppb	712.3	0.3	1008481
Cd 226.502	0.1492	ppb	0.0227	15.2	31.9335
Co 228.615	7.3435	ppb	0.0995	1.4	93.2205
Cr 267.716	0.6859	ppb	0.2349	34.2	44.3922
Cu 324.754	0.6650	ppb	0.0588	8.8	-50.8838
Fe 271.441	6869.46	ppb	30.6529	0.4	13136.3
K 766.491	3042.74	ppb	14.6221	0.5	162441
Mg 279.078	35343.1	ppb	163.561	0.5	88398.4
Mn 257.610	1940.95	ppb	9.6598	0.5	488289
Mo 202.032	2.3829	ppb	0.8551	35.9	29.2409
Na 330.237	27771.5	ppb	111.335	0.4	1642.39
Ni 231.604	14.0063	ppb	0.4495	3.2	41.3462
Pb 220.353	-1.5035	ppb	1.3247	88.1	1.3919
Sb 206.834	-0.5892	ppb	3.4293	582.0	3.7498
Se 196.026	-6.4890	ppb	7.4881	115.4	-0.0144
Sn 189.925	-1.2851	ppb	1.5607	121.4	-1.9124
Sr 216.596	704.265	ppb	3.1283	0.4	8499.90
Ti 334.941	0.8354	ppb	0.1026	12.3	298.013
Tl 190.794	4.0761	ppb	3.7899	93.0	2.0228
V 292.401	0.1053	ppb	0.2550	242.2	-0.9603
Zn 206.200	17.6923	ppb	0.7761	4.4	35.9961

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-3-a (Samp) 4/2/2013, 9:21:52 PM Rack 1, Tube 17
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1802u	-0.0141u	0.3996
Al 308.215	37.7121	38.0886	41.4621
As 188.980	6.9490	7.9013	3.9171
B 249.678	63.1273	64.6128	64.8397
Ba 389.178	340.371	341.825	339.754
Be 313.042	-0.0091	-0.0163	-0.0045
Ca 370.602	280152	280470	279162
Cd 226.502	0.0525	0.2798	0.1394
Co 228.615	7.4969	6.8262	7.9226
Cr 267.716	0.8300	1.1209	0.9785
Cu 324.754	1.9773	1.2426	1.9145
Fe 271.441	7452.26	7448.89	7450.23
K 766.491	3072.61	3085.69	3084.09
Mg 279.078	35349.4	35363.7	35337.0
Mn 257.610	1964.78	1965.73	1965.91
Mo 202.032	2.0468	2.2247	2.9050
Na 330.237	27633.4	27297.5	27877.9
Ni 231.604	15.8552	15.6293	14.6741
Pb 220.353	0.7316	-0.2032	-2.8015u
Sb 206.834	-5.2450u	-7.9673u	-4.1142u
Se 196.026	2.7637	-4.9399u	5.9054
Sn 189.925	2.9833	-1.8400u	-3.8755u
Sr 216.596	701.729	702.092	701.257
Ti 334.941	0.9576	0.9644	0.9160
Tl 190.794	0.7802u	4.7813	1.2366u
V 292.401	0.3970	0.4089	-0.1203u
Zn 206.200	17.7832	20.2660	17.9807

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1885	ppb	0.2070	109.8	-93.1541
Al 308.215	39.0876	ppb	2.0650	5.3	292.714
As 188.980	6.2558	ppb	2.0805	33.3	6.3684
B 249.678	64.1933	ppb	0.9301	1.4	854.752
Ba 389.178	340.650	ppb	1.0635	0.3	8377.66
Be 313.042	-0.0100	ppb	0.0059	59.6	-165.719
Ca 370.602	279928	ppb	682.3	0.2	1011948
Cd 226.502	0.1572	ppb	0.1147	72.9	33.7070
Co 228.615	7.4153	ppb	0.5527	7.5	94.0630
Cr 267.716	0.9765	ppb	0.1455	14.9	59.0415
Cu 324.754	1.7114	ppb	0.4073	23.8	-0.4922
Fe 271.441	7450.46	ppb	1.6944	0.0	14247.2
K 766.491	3080.80	ppb	7.1344	0.2	164471
Mg 279.078	35350.0	ppb	13.3576	0.0	88415.4
Mn 257.610	1965.47	ppb	0.6097	0.0	494455
Mo 202.032	2.3922	ppb	0.4530	18.9	29.2818
Na 330.237	27603.0	ppb	291.402	1.1	1632.14
Ni 231.604	15.3862	ppb	0.6269	4.1	45.5561
Pb 220.353	-0.7577	ppb	1.8307	241.6	2.9004
Sb 206.834	-5.7755	ppb	1.9806	34.3	-1.2190
Se 196.026	1.2431	ppb	5.5802	448.9	4.1880
Sn 189.925	-0.9107	ppb	3.5226	386.8	-1.5571
Sr 216.596	701.693	ppb	0.4190	0.1	8469.38
Ti 334.941	0.9460	ppb	0.0262	2.8	328.769
Tl 190.794	2.2660	ppb	2.1902	96.7	0.0208
V 292.401	0.2285	ppb	0.3022	132.2	2.6560
Zn 206.200	18.6766	ppb	1.3799	7.4	37.8437

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-3-b ms (Samp) 4/2/2013, 9:28:16 PM Rack 1, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.3725	9.2970	9.4406
Al 308.215	10024.3	10046.5	9982.04
As 188.980	125.515	119.001	127.715
B 249.678	315.770	318.914	318.691
Ba 389.178	111.464	112.874	113.003
Be 313.042	54.3492	54.4417	54.2469
Ca 370.602	576146	575035	572689
Cd 226.502	56.5882	56.6940	56.5793
Co 228.615	231.119	229.524	226.351
Cr 267.716	107.392	107.458	106.836
Cu 324.754	340.342	338.330	337.291
Fe 271.441	8237.52	8268.93	8266.71
K 766.491	14229.1	14303.3	14260.8
Mg 279.078	33140.2	33280.4	33140.1
Mn 257.610	1175.09	1177.04	1176.42
Mo 202.032	103.373	103.581	104.293
Na 330.237	83338.1	83867.3	83616.7
Ni 231.604	386.193	385.835	387.514
Pb 220.353	50.0580	49.0782	49.3849
Sb 206.834	45.2655	51.5522	44.5764
Se 196.026	114.994	105.649	109.884
Sn 189.925	190.588	189.029	201.895
Sr 216.596	224.367	223.704	223.817
Ti 334.941	100.151	100.584	99.7990
Tl 190.794	36.6042	33.2510	34.8369
V 292.401	100.011	100.906	100.250
Zn 206.200	287.123	285.529	284.232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3700	ppb	0.0718	0.8	623.838
Al 308.215	10017.6	ppb	32.7622	0.3	52180.5
As 188.980	124.077	ppb	4.5315	3.7	94.0535
B 249.678	317.792	ppb	1.7544	0.6	3846.08
Ba 389.178	112.447	ppb	0.8539	0.8	2826.77
Be 313.042	54.3459	ppb	0.0974	0.2	115273
Ca 370.602	574623	ppb	1765	0.3	2077861
Cd 226.502	56.6205	ppb	0.0638	0.1	2235.31
Co 228.615	228.998	ppb	2.4271	1.1	2765.28
Cr 267.716	107.229	ppb	0.3416	0.3	5323.66
Cu 324.754	338.654	ppb	1.5509	0.5	16172.6
Fe 271.441	8257.72	ppb	17.5292	0.2	15829.6
K 766.491	14264.4	ppb	37.2161	0.3	760765
Mg 279.078	33186.9	ppb	80.9982	0.2	83016.1
Mn 257.610	1176.19	ppb	0.9988	0.1	296069
Mo 202.032	103.749	ppb	0.4828	0.5	810.179
Na 330.237	83607.4	ppb	264.738	0.3	4962.46
Ni 231.604	386.514	ppb	0.8842	0.2	1174.08
Pb 220.353	49.5071	ppb	0.5012	1.0	103.442
Sb 206.834	47.1313	ppb	3.8440	8.2	49.7535
Se 196.026	110.176	ppb	4.6793	4.2	63.0413
Sn 189.925	193.837	ppb	7.0214	3.6	183.150
Sr 216.596	223.962	ppb	0.3545	0.2	2754.18
Ti 334.941	100.178	ppb	0.3934	0.4	27757.2
Tl 190.794	34.8973	ppb	1.6774	4.8	36.1808
V 292.401	100.389	ppb	0.4631	0.5	2956.62
Zn 206.200	285.628	ppb	1.4479	0.5	538.831

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-3-c msd (Samp) 4/2/2013, 9:34:41 PM Rack 1, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	19.9837	20.1241	19.7626
Al 308.215	10216.9	10183.3	10229.9
As 188.980	123.222	121.800	126.276
B 249.678	327.130	327.571	330.086
Ba 389.178	114.027	113.295	113.661
Be 313.042	54.3008	54.1640	54.2405
Ca 370.602	595642	602242	600047
Cd 226.502	57.0538	57.0893	57.0965
Co 228.615	234.076	236.253	233.810
Cr 267.716	107.779	107.420	107.599
Cu 324.754	350.368	350.719	349.349
Fe 271.441	8401.90	8390.88	8394.81
K 766.491	15033.0	14983.3	14937.9
Mg 279.078	34110.5	34043.6	34513.7
Mn 257.610	1207.24	1208.28	1209.48
Mo 202.032	103.273	102.679	103.951
Na 330.237	87451.7	87755.4	87619.2
Ni 231.604	396.709	398.457	395.481
Pb 220.353	50.5153	48.8503	49.0448
Sb 206.834	48.0550	60.4915	46.7113
Se 196.026	109.834	107.882	99.4456
Sn 189.925	195.787	194.490	199.008
Sr 216.596	233.212	231.554	233.144
Ti 334.941	99.9891	99.6522	99.8651
Tl 190.794	33.0220	39.6412	40.6782
V 292.401	100.735	99.8637	99.9330
Zn 206.200	295.374	292.878	288.400

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.9568	ppb	0.1822	0.9	1428.51
Al 308.215	10210.0	ppb	24.0638	0.2	53180.8
As 188.980	123.766	ppb	2.2871	1.8	94.0825
B 249.678	328.262	ppb	1.5949	0.5	3969.48
Ba 389.178	113.661	ppb	0.3657	0.3	2859.35
Be 313.042	54.2351	ppb	0.0685	0.1	115048
Ca 370.602	599310	ppb	3361	0.6	2167149
Cd 226.502	57.0799	ppb	0.0228	0.0	2253.52
Co 228.615	234.713	ppb	1.3400	0.6	2834.21
Cr 267.716	107.599	ppb	0.1792	0.2	5342.28
Cu 324.754	350.145	ppb	0.7114	0.2	16724.1
Fe 271.441	8395.86	ppb	5.5870	0.1	16095.0
K 766.491	14984.7	ppb	47.5753	0.3	799172
Mg 279.078	34222.6	ppb	254.293	0.7	85606.2
Mn 257.610	1208.33	ppb	1.1220	0.1	304159
Mo 202.032	103.301	ppb	0.6362	0.6	806.722
Na 330.237	87608.8	ppb	152.126	0.2	5200.55
Ni 231.604	396.882	ppb	1.4958	0.4	1205.61
Pb 220.353	49.4702	ppb	0.9103	1.8	103.369
Sb 206.834	51.7526	ppb	7.5979	14.7	54.2092
Se 196.026	105.721	ppb	5.5213	5.2	60.6351
Sn 189.925	196.428	ppb	2.3262	1.2	185.619
Sr 216.596	232.637	ppb	0.9380	0.4	2861.17
Ti 334.941	99.8355	ppb	0.1704	0.2	27666.9
Tl 190.794	37.7805	ppb	4.1534	11.0	39.2073
V 292.401	100.177	ppb	0.4843	0.5	2950.44
Zn 206.200	292.217	ppb	3.5335	1.2	551.206

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88701-a-4-a (Samp) 4/2/2013, 9:41:06 PM Rack 1, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3403u	0.1700u	0.2766u
Al 308.215	241.948	235.641	242.468
As 188.980	6.2557	4.4656	1.4970
B 249.678	553.528	557.589	560.509
Ba 389.178	130.150	129.004	130.434
Be 313.042	-0.0042	-0.0068	-0.0046
Ca 370.602	369036	367521	368583
Cd 226.502	1.3719	1.8977	1.7335
Co 228.615	11.9856	12.0751	13.6353
Cr 267.716	44.7953	44.7001	44.9578
Cu 324.754	8.4293	8.3085	9.0900
Fe 271.441	1677.88	1669.83	1672.26
K 766.491	92368.3x	92668.4x	92136.6x
Mg 279.078	37358.1	37240.4	37322.5
Mn 257.610	2062.30	2056.20	2059.89
Mo 202.032	1.2376	0.6448	0.4484
Na 330.237	234024x	233378x	233354x
Ni 231.604	61.5143	61.7641	60.9587
Pb 220.353	38.3188	41.2233	38.6103
Sb 206.834	-2.0087u	-3.7417u	-6.2691u
Se 196.026	11.1199	3.9526	3.5252
Sn 189.925	0.1418	1.9666	-2.4124u
Sr 216.596	1155.94	1156.89	1160.27
Ti 334.941	5.4526	5.2942	5.3840
Tl 190.794	7.4003	-0.9714u	-0.9522u
V 292.401	-1.0452u	-0.9657u	-0.9044u
Zn 206.200	268.648	268.662	267.215

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2623b	ppb	0.0860	32.8	-108.906
Al 308.215	240.019b	ppb	3.8000	1.6	1337.15
As 188.980	4.0728b	ppb	2.4036	59.0	5.7374
B 249.678	557.209b	ppb	3.5059	0.6	6678.92
Ba 389.178	129.863b	ppb	0.7567	0.6	3250.86
Be 313.042	-0.0052b	ppb	0.0014	25.9	-152.699
Ca 370.602	368380b	ppb	777.8	0.2	1332439
Cd 226.502	1.6677b	ppb	0.2690	16.1	76.7982
Co 228.615	12.5654b	ppb	0.9277	7.4	156.763
Cr 267.716	44.8177b	ppb	0.1303	0.3	2235.59
Cu 324.754	8.6093b	ppb	0.4207	4.9	328.896
Fe 271.441	1673.32b	ppb	4.1287	0.2	3201.99
K 766.491	92391.1xb	ppb	266.628	0.3	4926374
Mg 279.078	37307.0b	ppb	60.3883	0.2	93307.4
Mn 257.610	2059.46b	ppb	3.0753	0.1	518078
Mo 202.032	0.7770b	ppb	0.4109	52.9	17.1420
Na 330.237	233585xb	ppb	379.990	0.2	13893.6
Ni 231.604	61.4124b	ppb	0.4123	0.7	185.371
Pb 220.353	39.3841b	ppb	1.5994	4.1	83.8067
Sb 206.834	-4.0065b	ppb	2.1425	53.5	0.7955
Se 196.026	6.1993b	ppb	4.2668	68.8	6.8635
Sn 189.925	-0.1014b	ppb	2.1996	2170.3	-0.6634
Sr 216.596	1157.70b	ppb	2.2745	0.2	13953.0
Ti 334.941	5.3769b	ppb	0.0794	1.5	1546.25
Tl 190.794	1.8256b	ppb	4.8279	264.5	-0.2772
V 292.401	-0.9718b	ppb	0.0706	7.3	-37.3700
Zn 206.200	268.175b	ppb	0.8315	0.3	506.283

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88703-f-1-a (Samp) 4/2/2013, 9:47:32 PM Rack 1, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3701u	0.6637	-0.4418u
Al 308.215	70.5125	70.6513	70.4417
As 188.980	0.0257	-3.7797u	-3.4847u
B 249.678	38.1943	39.3253	38.6426
Ba 389.178	62.3850	62.9265	62.8371
Be 313.042	0.0074	0.0075	0.0182
Ca 370.602	58046	59464	58763
Cd 226.502	0.1803	0.0926	0.0189
Co 228.615	-0.3434u	-0.2715u	-0.1526u
Cr 267.716	0.2695	0.4996	0.4892
Cu 324.754	1.9556	2.1673	1.9362
Fe 271.441	762.831	777.018	769.564
K 766.491	3317.39	3397.38	3375.41
Mg 279.078	9176.51	9374.31	9259.90
Mn 257.610	102.214	104.810	104.165
Mo 202.032	0.1770	0.6546	0.2784
Na 330.237	160475x	162839x	160518x
Ni 231.604	0.5596	-0.0929u	0.7647
Pb 220.353	1.0038	-5.0640u	-0.5242u
Sb 206.834	-6.3239u	-9.1621u	-6.9095u
Se 196.026	-5.3677u	-4.2030u	-6.0713u
Sn 189.925	-4.9146u	0.3535	-0.5914u
Sr 216.596	220.810	226.496	222.618
Ti 334.941	0.4648	0.4176	0.2948
Tl 190.794	1.4911	-0.4775u	-2.5647u
V 292.401	-0.1571u	0.2247	-0.2333u
Zn 206.200	32.1008	34.4920	34.4373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0494b	ppb	0.6186	1252.1	-96.5909
Al 308.215	70.5352b	ppb	0.1066	0.2	455.934
As 188.980	-2.4129b	ppb	2.1170	87.7	-1.9768
B 249.678	38.7207b	ppb	0.5695	1.5	562.010
Ba 389.178	62.7162b	ppb	0.2903	0.5	1540.25
Be 313.042	0.0110b	ppb	0.0062	56.5	-223.099
Ca 370.602	58758b	ppb	708.8	1.2	212471
Cd 226.502	0.0973b	ppb	0.0808	83.1	13.3768
Co 228.615	-0.2558b	ppb	0.0964	37.7	1.8562
Cr 267.716	0.4194b	ppb	0.1300	31.0	24.0029
Cu 324.754	2.0197b	ppb	0.1282	6.3	12.3551
Fe 271.441	769.804b	ppb	7.0967	0.9	1472.19
K 766.491	3363.40b	ppb	41.3261	1.2	179538
Mg 279.078	9270.24b	ppb	99.3019	1.1	23213.9
Mn 257.610	103.730b	ppb	1.3513	1.3	26284.2
Mo 202.032	0.3700b	ppb	0.2516	68.0	14.0514
Na 330.237	161277xb	ppb	1352.56	0.8	9591.65
Ni 231.604	0.4105b	ppb	0.4478	109.1	-0.1406
Pb 220.353	-1.5281b	ppb	3.1560	206.5	0.8681
Sb 206.834	-7.4652b	ppb	1.4985	20.1	-2.9621
Se 196.026	-5.2140b	ppb	0.9436	18.1	0.1412
Sn 189.925	-1.7175b	ppb	2.8088	163.5	-2.3730
Sr 216.596	223.308b	ppb	2.9047	1.3	2695.72
Ti 334.941	0.3924b	ppb	0.0878	22.4	47.9505
Tl 190.794	-0.5170b	ppb	2.0282	392.3	0.3164
V 292.401	-0.0552b	ppb	0.2455	444.3	-6.7848
Zn 206.200	33.6767b	ppb	1.3650	4.1	660185

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88703-f-2-a (Samp) 4/2/2013, 9:53:57 PM Rack 1, Tube 22

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3541u	-0.3010u	-0.7384u
Al 308.215	76.9075	82.3454	81.1098
As 188.980	-0.3194	4.1631	0.8214
B 249.678	32.4452	32.1948	31.6137
Ba 389.178	62.1210	62.9344	62.3298
Be 313.042	0.0024	0.0048	0.0044
Ca 370.602	58315	58257	58243
Cd 226.502	0.1997	0.1011	-0.0048
Co 228.615	-0.0413u	0.3241	0.0798
Cr 267.716	0.6784	0.5693	0.4887
Cu 324.754	2.5757	1.7536	1.8063
Fe 271.441	810.500	818.943	811.699
K 766.491	3301.59	3313.36	3322.49
Mg 279.078	9214.57	9200.09	9194.05
Mn 257.610	102.880	102.888	103.022
Mo 202.032	0.7423	0.1259	0.7092
Na 330.237	161014x	160224x	159506x
Ni 231.604	1.0298	0.2424	0.7137
Pb 220.353	-2.9243u	-3.4802u	-4.8002u
Sb 206.834	-6.0315u	-2.9663u	-2.5032u
Se 196.026	-3.3702u	0.0628	2.9743
Sn 189.925	-0.2982u	1.1327	-1.4264u
Sr 216.596	222.025	222.094	222.003
Ti 334.941	0.4254	0.3609	0.4231
Tl 190.794	0.7058	-3.5771u	-0.9810u
V 292.401	-0.0121u	-0.3928u	-0.9062u
Zn 206.200	33.9091	33.3669	34.9683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4645b	ppb	0.2387	51.4	-128.090
Al 308.215	80.1209b	ppb	2.8506	3.6	505.795
As 188.980	1.5550b	ppb	2.3296	149.8	0.8746
B 249.678	32.0846b	ppb	0.4266	1.3	483.653
Ba 389.178	62.4618b	ppb	0.4224	0.7	1533.93
Be 313.042	0.0039b	ppb	0.0013	34.1	-238.350
Ca 370.602	58271b	ppb	38.52	0.1	210708
Cd 226.502	0.0987b	ppb	0.1023	103.6	13.5550
Co 228.615	0.1209b	ppb	0.1862	154.0	6.3923
Cr 267.716	0.5788b	ppb	0.0952	16.5	31.8943
Cu 324.754	2.0452b	ppb	0.4602	22.5	13.6007
Fe 271.441	813.714b	ppb	4.5684	0.6	1556.12
K 766.491	3312.48b	ppb	10.4761	0.3	176824
Mg 279.078	9202.90b	ppb	10.5415	0.1	23045.5
Mn 257.610	102.930b	ppb	0.0796	0.1	26082.6
Mo 202.032	0.5258b	ppb	0.3468	65.9	15.2508
Na 330.237	160248xb	ppb	754.197	0.5	9530.35
Ni 231.604	0.6620b	ppb	0.3963	59.9	0.6253
Pb 220.353	-3.7349b	ppb	0.9635	25.8	-3.5793
Sb 206.834	-3.8337b	ppb	1.9174	50.0	0.5264
Se 196.026	-0.1110b	ppb	3.1758	2860.6	2.9080
Sn 189.925	-0.1973b	ppb	1.2825	650.0	-0.9331
Sr 216.596	222.041b	ppb	0.0477	0.0	2680.45
Ti 334.941	0.4031b	ppb	0.0366	9.1	50.6801
Tl 190.794	-1.2841b	ppb	2.1575	168.0	-0.5044
V 292.401	-0.4370b	ppb	0.4487	102.7	-18.1808
Zn 206.200	34.0814b	ppb	0.8145	2.4	667783

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271258/1-a (Samp) **4/2/2013, 10:00:23 PM** **Rack 1, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3619	-0.2308u	-0.8076u
Al 308.215	0.4807	0.9957	-0.2929u
As 188.980	-1.2177u	0.2280	-4.4335u
B 249.678	0.4490	-0.2061u	-1.1748u
Ba 389.178	-1.4213u	-0.1583u	-0.8174u
Be 313.042	-0.0061u	0.0042	0.0024
Ca 370.602	3.589	5.733	4.031
Cd 226.502	0.2102	0.2611	-0.1563u
Co 228.615	-0.5530u	-0.6428u	-0.0282u
Cr 267.716	0.2251	-0.0560u	0.3238
Cu 324.754	0.8513	0.6287	0.4943
Fe 271.441	2.5842	5.2245	-0.8781u
K 766.491	1.7541	0.5210	1.5130
Mg 279.078	1.2738	6.0753	1.0526
Mn 257.610	-0.2636u	-0.2609u	-0.2795u
Mo 202.032	-0.6051u	-0.7464u	0.2306
Na 330.237	-148.831u	230.442	241.213
Ni 231.604	1.8172	0.7869	0.5032
Pb 220.353	-0.7512u	1.1343	-1.7360u
Sb 206.834	-7.3060u	0.3113	-1.3007u
Se 196.026	-0.8842u	-0.7192u	-1.5830u
Sn 189.925	-2.6624u	1.0898	-0.7314u
Sr 216.596	-0.0098u	-0.0196u	0.5121
Ti 334.941	0.0406	-0.0037u	0.0075
Tl 190.794	0.3724	-1.7093u	-0.6918u
V 292.401	-0.0877u	0.3169	0.1339
Zn 206.200	3.5706	1.7632	2.7646

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2255	ppb	0.5848	259.3	-99.7375
Al 308.215	0.3945	ppb	0.6486	164.4	91.1730
As 188.980	-1.8078	ppb	2.3861	132.0	-2.1114
B 249.678	-0.3106	ppb	0.8169	263.0	102.353
Ba 389.178	-0.7990	ppb	0.6317	79.1	-30.2831
Be 313.042	0.0002	ppb	0.0055	3615.3	-247.199
Ca 370.602	4.451	ppb	1.132	25.4	12.11
Cd 226.502	0.1050	ppb	0.2277	216.9	12.5805
Co 228.615	-0.4080	ppb	0.3320	81.4	0.0631
Cr 267.716	0.1643	ppb	0.1971	119.9	7.7082
Cu 324.754	0.6581	ppb	0.1803	27.4	-53.2338
Fe 271.441	2.3102	ppb	3.0605	132.5	4.6816
K 766.491	1.2627	ppb	0.6536	51.8	274.078
Mg 279.078	2.8006	ppb	2.8381	101.3	34.4091
Mn 257.610	-0.2680	ppb	0.0100	3.7	61.6846
Mo 202.032	-0.3736	ppb	0.5280	141.3	8.3606
Na 330.237	107.608	ppb	222.148	206.4	-1.8729
Ni 231.604	1.0358	ppb	0.6915	66.8	1.7426
Pb 220.353	-0.4510	ppb	1.4585	323.4	3.0148
Sb 206.834	-2.7651	ppb	4.0142	145.2	1.5445
Se 196.026	-1.0621	ppb	0.4586	43.2	2.3592
Sn 189.925	-0.7680	ppb	1.8764	244.3	-1.5672
Sr 216.596	0.1609	ppb	0.3042	189.0	8.5315
Ti 334.941	0.0148	ppb	0.0230	155.4	-85.5207
Tl 190.794	-0.6762	ppb	1.0409	153.9	0.3512
V 292.401	0.1210	ppb	0.2026	167.4	-0.0554
Zn 206.200	2.6995	ppb	0.9955	215.3	47.8391

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271258/2-a (Samp) 4/2/2013, 10:06:49 PM Rack 1, Tube 24
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	41.2547	40.9654	41.1812
Al 308.215	4756.66	4724.79	4787.98
As 188.980	108.738	105.113	116.593
B 249.678	188.334	188.898	193.212
Ba 389.178	103.063	103.663	104.396
Be 313.042	52.8365	52.3691	53.0348
Ca 370.602	4911	4868	4947
Cd 226.502	53.0954	53.3937	53.5169
Co 228.615	53.7482	53.3174	54.3419
Cr 267.716	103.703	103.124	104.692
Cu 324.754	105.693	104.133	106.246
Fe 271.441	5009.44	4966.92	5029.15
K 766.491	5143.94	5090.10	5151.44
Mg 279.078	4950.76	4912.87	4968.90
Mn 257.610	539.733	535.498	542.226
Mo 202.032	101.871	100.457	102.028
Na 330.237	4859.93	4820.71	4837.75
Ni 231.604	101.584	103.330	104.446
Pb 220.353	50.5610	47.6811	48.9463
Sb 206.834	49.7704	47.0090	47.1439
Se 196.026	96.6611	94.1387	93.6089
Sn 189.925	193.257	196.262	196.884
Sr 216.596	101.804	100.640	102.392
Ti 334.941	98.4421	97.8025	99.0047
Tl 190.794	35.7041	38.2696	42.9365
V 292.401	102.428	100.863	102.778
Zn 206.200	112.701	109.968	116.528

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.1338	ppb	0.1504	0.4	3043.64
Al 308.215	4756.48	ppb	31.5990	0.7	24828.2
As 188.980	110.148	ppb	5.8686	5.3	78.4502
B 249.678	190.148	ppb	2.6683	1.4	2343.80
Ba 389.178	103.708	ppb	0.6678	0.6	2531.75
Be 313.042	52.7468	ppb	0.3418	0.6	111669
Ca 370.602	4908	ppb	39.47	0.8	17331
Cd 226.502	53.3353	ppb	0.2167	0.4	2099.12
Co 228.615	53.8025	ppb	0.5144	1.0	652.871
Cr 267.716	103.840	ppb	0.7932	0.8	5150.49
Cu 324.754	105.357	ppb	1.0957	1.0	4974.82
Fe 271.441	5001.84	ppb	31.8024	0.6	9574.30
K 766.491	5128.49	ppb	33.4623	0.7	273651
Mg 279.078	4944.18	ppb	28.5895	0.6	12383.8
Mn 257.610	539.153	ppb	3.4014	0.6	135694
Mo 202.032	101.452	ppb	0.8652	0.9	792.649
Na 330.237	4839.46	ppb	19.6640	0.4	276.229
Ni 231.604	103.120	ppb	1.4429	1.4	312.274
Pb 220.353	49.0628	ppb	1.4435	2.9	102.570
Sb 206.834	47.9745	ppb	1.5568	3.2	50.4750
Se 196.026	94.8029	ppb	1.6309	1.7	54.5126
Sn 189.925	195.468	ppb	1.9393	1.0	184.390
Sr 216.596	101.612	ppb	0.8915	0.9	1223.75
Ti 334.941	98.4164	ppb	0.6015	0.6	27149.2
Tl 190.794	38.9701	ppb	3.6668	9.4	41.6107
V 292.401	102.023	ppb	1.0196	1.0	3006.23
Zn 206.200	113.066	ppb	3.2952	2.9	214.741

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/2/2013, 10:13:15 PM Rack 1, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	483.925	495.087	497.124
Al 308.215	4878.18	4888.20	4887.66
As 188.980	498.297	493.423	489.799
B 249.678	518.757	522.879	519.863
Ba 389.178	4868.80	4879.33	4881.83
Be 313.042	487.551	489.339	488.504
Ca 370.602	4966	4980	4990
Cd 226.502	495.778	496.093	497.140
Co 228.615	500.567	502.791	503.794
Cr 267.716	4850.84	4863.71	4861.20
Cu 324.754	4788.44	4945.90	4928.14
Fe 271.441	5029.62	5043.37	5051.59
K 766.491	9868.53	9885.70	9864.89
Mg 279.078	4941.81	4968.51	4963.65
Mn 257.610	4959.71	4969.09	4965.50
Mo 202.032	496.491	497.883	499.464
Na 330.237	7247.61	7322.02	7767.62
Ni 231.604	2479.66	2491.43	2490.62
Pb 220.353	489.049	493.916	494.509
Sb 206.834	978.296	975.526	986.574
Se 196.026	4977.43	4942.52	4976.03
Sn 189.925	4923.38	4954.92	4954.43
Sr 216.596	2427.63	2435.76	2436.14
Ti 334.941	492.208	493.997	493.457
Tl 190.794	5082.49	5070.88	5081.24
V 292.401	4951.87	4955.21	4959.60
Zn 206.200	2502.15	2511.14	2504.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.045	ppb	7.1058	1.4	37273.5	98.40903
Al 308.215	4884.68	ppb	5.6333	0.1	25464.4	97.69360
As 188.980	493.840	ppb	4.2642	0.9	354.569	98.76801
B 249.678	520.500	ppb	2.1335	0.4	6241.60	20.81998Q
Ba 389.178	4876.65	ppb	6.9165	0.1	118562	97.53306
Be 313.042	488.464	ppb	0.8945	0.2	1036062	97.69287
Ca 370.602	4979	ppb	12.44	0.2	17854	99.57558
Cd 226.502	496.337	ppb	0.7131	0.1	19359.1	99.26735
Co 228.615	502.384	ppb	1.6518	0.3	6071.54	100.47675
Cr 267.716	4858.58	ppb	6.8225	0.1	240865	97.17159
Cu 324.754	4887.49	ppb	86.2377	1.8	234451	97.74986
Fe 271.441	5041.53	ppb	11.0999	0.2	9777.39	100.83052
K 766.491	9873.04	ppb	11.1120	0.1	526624	98.73038
Mg 279.078	4957.99	ppb	14.2212	0.3	12334.5	99.15984
Mn 257.610	4964.77	ppb	4.7295	0.1	1247991	99.29534
Mo 202.032	497.946	ppb	1.4877	0.3	3838.63	99.58919
Na 330.237	7445.75	ppb	281.220	3.8	407.167	99.27670
Ni 231.604	2487.24	ppb	6.5769	0.3	7561.73	99.48950
Pb 220.353	492.491	ppb	2.9960	0.6	996.174	98.49825
Sb 206.834	980.132	ppb	5.7484	0.6	990.300	98.01320
Se 196.026	4965.32	ppb	19.7623	0.4	2696.39	99.30650
Sn 189.925	4944.24	ppb	18.0664	0.4	4684.32	98.88488
Sr 216.596	2433.18	ppb	4.8070	0.2	29166.4	97.32702
Ti 334.941	493.221	ppb	0.9178	0.2	136329	98.64412
Tl 190.794	5078.20	ppb	6.3747	0.1	5418.64	101.56401
V 292.401	4955.56	ppb	3.8773	0.1	147096	99.11118
Zn 206.200	2505.97	ppb	4.6440	0.2	4691.35	100.23882

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/2/2013, 10:19:38 PM Rack 1, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3016u	0.1368	0.1293
Al 308.215	2.2741	2.6401	2.1335
As 188.980	0.4538	1.6568	0.1131
B 249.678	5.7474	4.5124	4.6728
Ba 389.178	1.2941	1.2935	1.8890
Be 313.042	0.0736	0.0963	0.1027
Ca 370.602	6.435	1.879	4.924
Cd 226.502	0.2458	0.2225	0.1469
Co 228.615	0.3061	-0.8250u	-0.1339u
Cr 267.716	0.6282	0.9733	0.8498
Cu 324.754	1.9377	0.4282	1.3725
Fe 271.441	4.6653	5.3855	5.7588
K 766.491	4.3223	4.3314	3.9824
Mg 279.078	3.9445	3.2837	6.2215
Mn 257.610	0.6440	0.8269	0.9386
Mo 202.032	-0.1504u	-0.3202u	0.2542
Na 330.237	-41.6217u	30.2175	-83.2113u
Ni 231.604	1.9369	3.2893	3.3924
Pb 220.353	1.8918	-1.7968u	-0.0899u
Sb 206.834	-1.3538u	-2.4873u	-2.3705u
Se 196.026	-6.7990u	-8.1750u	-2.7593u
Sn 189.925	1.3521	0.5111	1.9217
Sr 216.596	0.2853	0.0680	1.0576
Ti 334.941	0.0764	0.1815	0.1664
Tl 190.794	2.2755	0.8274	1.2266
V 292.401	0.7777	1.1080	1.2828
Zn 206.200	-0.1733u	0.3451	0.9362

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0118	ppb	0.2510	2121.3	-83.4914	-0.01183
Al 308.215	2.3492	ppb	0.2615	11.1	101.387	2.34920
As 188.980	0.7412	ppb	0.8110	109.4	-0.2763	0.74123
B 249.678	4.9775	ppb	0.6715	13.5	164.752	4.97754
Ba 389.178	1.4922	ppb	0.3436	23.0	25.4166	1.49219
Be 313.042	0.0909	ppb	0.0153	16.8	-54.7851	0.09088
Ca 370.602	4.412	ppb	2.321	52.6	12.21	4.41243
Cd 226.502	0.2051	ppb	0.0517	25.2	16.4764	0.20510
Co 228.615	-0.2176	ppb	0.5701	262.0	2.3448	-0.21762
Cr 267.716	0.8171	ppb	0.1748	21.4	40.0675	0.81712
Cu 324.754	1.2461	ppb	0.7626	61.2	-25.0066	1.24612
Fe 271.441	5.2698	ppb	0.5558	10.5	10.3456	5.26985
K 766.491	4.2120	ppb	0.1989	4.7	431.330	4.21203
Mg 279.078	4.4832	ppb	1.5412	34.4	38.5972	4.48321
Mn 257.610	0.8032	ppb	0.1487	18.5	330.909	0.80316
Mo 202.032	-0.0721	ppb	0.2951	409.0	10.6824	-0.07214
Na 330.237	-31.5385	ppb	57.3827	181.9	-10.1360	-31.53851
Ni 231.604	2.8729	ppb	0.8122	28.3	7.3286	2.87288
Pb 220.353	0.0017	ppb	1.8460	108953.0	3.9263	0.00169
Sb 206.834	-2.0705	ppb	0.6234	30.1	2.2135	-2.07055
Se 196.026	-5.9111	ppb	2.8149	47.6	-0.2695	-5.91110
Sn 189.925	1.2616	ppb	0.7096	56.2	0.3560	1.26163
Sr 216.596	0.4703	ppb	0.5201	110.6	12.1888	0.47031
Ti 334.941	0.1414	ppb	0.0568	40.2	-50.4862	0.14144
Tl 190.794	1.4432	ppb	0.7479	51.8	2.6131	1.44318
V 292.401	1.0562	ppb	0.2565	24.3	27.6157	1.05617
Zn 206.200	0.3693	ppb	0.5551	150.3	24.4596	0.36933

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271258/3-a (Samp) 4/2/2013, 10:26:02 PM Rack 1, Tube 27
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	194.524	195.851	195.403
Al 308.215	1893.53	1894.11	1889.87
As 188.980	213.976	217.761	217.484
B 249.678	377.262	378.781	383.124
Ba 389.178	199.634	198.626	197.812
Be 313.042	208.252	208.019	207.922
Ca 370.602	19412	19403	19368
Cd 226.502	204.519	203.752	204.123
Co 228.615	209.746	205.904	207.290
Cr 267.716	203.696	203.158	202.462
Cu 324.754	208.071	207.179	207.829
Fe 271.441	20441.0	20412.7	20442.1
K 766.491	19430.3	19437.1	19508.1
Mg 279.078	19681.1	19615.8	19610.0
Mn 257.610	2127.45	2123.13	2123.95
Mo 202.032	199.377	199.387	198.745
Na 330.237	16829.1	16836.2	16768.3
Ni 231.604	201.155	200.133	200.155
Pb 220.353	193.296	193.127	199.060
Sb 206.834	189.718	190.018	194.635
Se 196.026	197.434	182.587	179.155
Sn 189.925	196.014	188.205	194.658
Sr 216.596	208.098	208.489	207.177
Ti 334.941	194.890	195.088	194.476
Tl 190.794	41.3547	39.4378	37.9798
V 292.401	199.231	197.683	198.021
Zn 206.200	517.619	517.862	515.830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	195.259	ppb	0.6753	0.3	14766.4
Al 308.215	1892.50	ppb	2.2998	0.1	9949.06
As 188.980	216.407	ppb	2.1103	1.0	154.883
B 249.678	379.722	ppb	3.0421	0.8	4562.59
Ba 389.178	198.691	ppb	0.9125	0.5	4904.54
Be 313.042	208.064	ppb	0.1699	0.1	441258
Ca 370.602	19394	ppb	23.51	0.1	68382
Cd 226.502	204.131	ppb	0.3834	0.2	8013.38
Co 228.615	207.647	ppb	1.9453	0.9	2506.96
Cr 267.716	203.105	ppb	0.6186	0.3	10081.0
Cu 324.754	207.693	ppb	0.4614	0.2	9892.35
Fe 271.441	20431.9	ppb	16.6707	0.1	39104.9
K 766.491	19458.5	ppb	43.1178	0.2	1037708
Mg 279.078	19635.6	ppb	39.4802	0.2	49106.9
Mn 257.610	2124.84	ppb	2.2933	0.1	534405
Mo 202.032	199.170	ppb	0.3681	0.2	1544.73
Na 330.237	16811.2	ppb	37.3590	0.2	979.190
Ni 231.604	200.481	ppb	0.5836	0.3	608.690
Pb 220.353	195.161	ppb	3.3779	1.7	397.162
Sb 206.834	191.457	ppb	2.7561	1.4	189.500
Se 196.026	186.392	ppb	9.7157	5.2	104.697
Sn 189.925	192.959	ppb	4.1729	2.2	182.024
Sr 216.596	207.921	ppb	0.6735	0.3	2503.44
Ti 334.941	194.818	ppb	0.3121	0.2	53874.7
Tl 190.794	39.5908	ppb	1.6926	4.3	39.0486
V 292.401	198.312	ppb	0.8140	0.4	5846.88
Zn 206.200	517.103	ppb	1.1994	0.2	973.227

680-88739-a-2-a (Samp) **4/2/2013, 10:32:26 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.1764	1.9092	1.9438
Al 308.215	359.628	358.522	357.585
As 188.980	13.8634	14.0393	18.6250
B 249.678	95.0686	93.9751	93.7425
Ba 389.178	60.2142	58.9668	59.3862
Be 313.042	0.0057	0.0193	0.0152
Ca 370.602	8785	8733	8734
Cd 226.502	9.9506	9.9019	9.8799
Co 228.615	1.3117	-0.0607u	0.0115u
Cr 267.716	6.2739	6.2304	6.5524
Cu 324.754	58.9801	58.7829	58.1018
Fe 271.441	1391.26	1394.01	1398.28
K 766.491	4532.47	4515.17	4493.84
Mg 279.078	2764.74	2753.79	2751.88
Mn 257.610	45.1668	45.0731	45.2167
Mo 202.032	111.404	112.263	111.860
Na 330.237	-463886u	-451829u	-442574u
Ni 231.604	13.7537	12.7962	12.8761
Pb 220.353	111.995	111.356	109.853
Sb 206.834	218.133	223.252	227.281
Se 196.026	9.2593	-18.0129u	-10.7233u
Sn 189.925	8.3153	10.2830	7.0072
Sr 216.596	201.972	199.699	201.088
Ti 334.941	1.0334	0.9761	1.0622
Tl 190.794	-3.5282u	6.4092	-3.2980u
V 292.401	0.5841u	0.6660u	0.1280u
Zn 206.200	637598x	637428x	640676x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.0098b	ppb	0.1453	7.2	60.9170
Al 308.215	358.578b	ppb	1.0231	0.3	1966.99
As 188.980	15.5092b	ppb	2.6998	17.4	10.3908
B 249.678	94.2621b	ppb	0.7081	0.8	1216.63
Ba 389.178	59.5224b	ppb	0.6348	1.1	1446.21
Be 313.042	0.0134b	ppb	0.0070	52.2	-119.743
Ca 370.602	8751b	ppb	30.13	0.3	31523
Cd 226.502	9.9108b	ppb	0.0361	0.4	401.273
Co 228.615	0.4208b	ppb	0.7724	183.5	6.0679
Cr 267.716	6.3522b	ppb	0.1747	2.8	293.743
Cu 324.754	58.6216b	ppb	0.4609	0.8	2732.05
Fe 271.441	1394.52b	ppb	3.5367	0.3	2666.95
K 766.491	4513.83b	ppb	19.3506	0.4	240878
Mg 279.078	2756.80b	ppb	6.9411	0.3	6922.51
Mn 257.610	45.1522b	ppb	0.0729	0.2	11509.1
Mo 202.032	111.842b	ppb	0.4297	0.4	873.118
Na 330.237	-452763b	ppb	10686.6	2.4	-32490.3
Ni 231.604	13.1420b	ppb	0.5313	4.0	39.2930
Pb 220.353	111.068b	ppb	1.0999	1.0	227.552
Sb 206.834	222.889b	ppb	4.5850	2.1	216.929
Se 196.026	-6.4923b	ppb	14.1199	217.5	-0.5637
Sn 189.925	8.5352b	ppb	1.6489	19.3	7.0373
Sr 216.596	200.920b	ppb	1.1457	0.6	2416.59
Ti 334.941	1.0239b	ppb	0.0438	4.3	246.941
Tl 190.794	-0.1390b	ppb	5.6721	4080.2	0.7254
V 292.401	0.4594b	ppb	0.2899	63.1	-9.9743
Zn 206.200	638567xb	ppb	1828.52	224.31	4149348

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88739-a-2-b ms (Samp) 4/2/2013, 10:38:50 PM Rack 1, Tube 29
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	25.8961	25.9753	26.2109
Al 308.215	4966.21	4998.65	5005.36
As 188.980	123.712	132.006	134.825
B 249.678	278.649	280.328	281.433
Ba 389.178	159.018	161.062	159.941
Be 313.042	51.5198	51.6590	51.7410
Ca 370.602	13304	13364	13399
Cd 226.502	61.0428	61.2377	61.3207
Co 228.615	52.2763	51.9298	52.4587
Cr 267.716	106.182	106.498	106.619
Cu 324.754	160.944	161.512	161.512
Fe 271.441	6156.81	6160.55	6182.01
K 766.491	9549.20	9547.94	9589.95
Mg 279.078	7329.82	7373.10	7371.23
Mn 257.610	562.368	563.132	563.769
Mo 202.032	208.502	209.240	210.292
Na 330.237	-431270u	-431477u	-440103u
Ni 231.604	110.506	111.643	113.329
Pb 220.353	156.200	158.491	153.756
Sb 206.834	276.222	272.861	267.159
Se 196.026	95.2651	105.858	101.596
Sn 189.925	189.621	199.637	198.907
Sr 216.596	293.807	296.436	297.406
Ti 334.941	94.9516	95.1960	95.7823
Tl 190.794	34.8118	39.9999	44.9849
V 292.401	98.8915	99.0718	98.6654
Zn 206.200	638385x	639088x	639246x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	26.0274b	ppb	0.1637	0.6	1885.70
Al 308.215	4990.07b	ppb	20.9343	0.4	26055.8
As 188.980	130.181b	ppb	5.7766	4.4	92.9089
B 249.678	280.137b	ppb	1.4015	0.5	3404.25
Ba 389.178	160.007b	ppb	1.0236	0.6	3909.17
Be 313.042	51.6400b	ppb	0.1118	0.2	109418
Ca 370.602	13356b	ppb	47.82	0.4	47781
Cd 226.502	61.2004b	ppb	0.1427	0.2	2411.55
Co 228.615	52.2216b	ppb	0.2687	0.5	629.879
Cr 267.716	106.433b	ppb	0.2256	0.2	5258.44
Cu 324.754	161.323b	ppb	0.3280	0.2	7664.08
Fe 271.441	6166.46b	ppb	13.6001	0.2	11801.0
K 766.491	9562.36b	ppb	23.8979	0.2	510059
Mg 279.078	7358.05b	ppb	24.4646	0.3	18421.5
Mn 257.610	563.090b	ppb	0.7017	0.1	141738
Mo 202.032	209.345b	ppb	0.8995	0.4	1624.11
Na 330.237	-434284b	ppb	5040.98	1.2	-31395.2
Ni 231.604	111.826b	ppb	1.4208	1.3	339.479
Pb 220.353	156.149b	ppb	2.3678	1.5	318.184
Sb 206.834	272.081b	ppb	4.5815	1.7	264.386
Se 196.026	100.906b	ppb	5.3300	5.3	57.8358
Sn 189.925	196.055b	ppb	5.5839	2.8	184.740
Sr 216.596	295.883b	ppb	1.8624	0.6	3554.01
Ti 334.941	95.3100b	ppb	0.4269	0.4	26341.0
Tl 190.794	39.9322b	ppb	5.0869	12.7	42.4830
V 292.401	98.8762b	ppb	0.2036	0.2	2893.62
Zn 206.200	638906xb	ppb	458.403	0.1	449985

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88739-a-2-c msd (Samp) 4/2/2013, 10:45:15 PM Rack 1, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	29.0521	29.0087	28.5731
Al 308.215	5184.86	5172.10	5154.12
As 188.980	129.655	121.956	133.277
B 249.678	292.742	291.638	290.663
Ba 389.178	164.742	163.652	164.525
Be 313.042	53.7678	53.5987	53.4375
Ca 370.602	13793	13731	13654
Cd 226.502	63.1699	62.9386	62.7663
Co 228.615	54.9496	54.4664	53.7832
Cr 267.716	110.629	110.344	110.065
Cu 324.754	168.081	166.966	166.329
Fe 271.441	6406.38	6377.50	6359.42
K 766.491	9819.63	9941.93	9777.40
Mg 279.078	7629.52	7589.60	7561.86
Mn 257.610	585.985	583.286	581.807
Mo 202.032	215.226	216.144	213.615
Na 330.237	-438135u	-442562u	-441631u
Ni 231.604	114.960	114.866	114.978
Pb 220.353	166.818	165.461	161.658
Sb 206.834	275.603	280.983	261.783
Se 196.026	111.187	103.369	103.910
Sn 189.925	202.645	202.427	197.513
Sr 216.596	304.896	305.695	302.930
Ti 334.941	99.0306	98.8911	98.5902
Tl 190.794	37.7445	43.0242	43.6474
V 292.401	103.342	102.664	102.249
Zn 206.200	654755x	654217x	648707x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	28.8780b	ppb	0.2649	0.9	2102.25
Al 308.215	5170.36b	ppb	15.4429	0.3	26993.6
As 188.980	128.296b	ppb	5.7813	4.5	91.5514
B 249.678	291.681b	ppb	1.0398	0.4	3540.21
Ba 389.178	164.306b	ppb	0.5768	0.4	4014.67
Be 313.042	53.6013b	ppb	0.1651	0.3	113582
Ca 370.602	13726b	ppb	69.29	0.5	49101
Cd 226.502	62.9583b	ppb	0.2025	0.3	2480.65
Co 228.615	54.3997b	ppb	0.5861	1.1	656.064
Cr 267.716	110.346b	ppb	0.2822	0.3	5452.07
Cu 324.754	167.125b	ppb	0.8865	0.5	7942.72
Fe 271.441	6381.10b	ppb	23.6842	0.4	12211.9
K 766.491	9846.32b	ppb	85.4494	0.9	525199
Mg 279.078	7593.66b	ppb	34.0101	0.4	19010.4
Mn 257.610	583.693b	ppb	2.1187	0.4	146919
Mo 202.032	214.995b	ppb	1.2804	0.6	1667.63
Na 330.237	-440776b	ppb	2333.98	0.5	-31899.5
Ni 231.604	114.935b	ppb	0.0603	0.1	348.953
Pb 220.353	164.646b	ppb	2.6750	1.6	335.295
Sb 206.834	272.789b	ppb	9.9042	3.6	265.058
Se 196.026	106.155b	ppb	4.3658	4.1	60.6886
Sn 189.925	200.862b	ppb	2.9018	1.4	189.290
Sr 216.596	304.507b	ppb	1.4232	0.5	3657.46
Ti 334.941	98.8373b	ppb	0.2250	0.2	27318.4
Tl 190.794	41.4721b	ppb	3.2431	7.8	44.0855
V 292.401	102.751b	ppb	0.5517	0.5	3007.82
Zn 206.200	652560xb	ppb	3347.44	0.5	4325628

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88798-a-3-a (Samp) 4/2/2013, 10:51:40 PM Rack 1, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.9664	-0.2001u	0.2351
Al 308.215	217.679	216.148	213.215
As 188.980	0.0891	-2.1137u	1.9172
B 249.678	46.6270	46.9071	46.4372
Ba 389.178	23.0085	22.9067	22.8015
Be 313.042	0.0287	0.0269	0.0382
Ca 370.602	6207	6213	6254
Cd 226.502	-0.0373u	0.1470	-0.1753u
Co 228.615	-0.6338u	-0.3329u	0.3330
Cr 267.716	0.2762	0.2314	0.4794
Cu 324.754	24.3468	24.7922	24.2697
Fe 271.441	421.766	427.359	426.717
K 766.491	3434.60	3443.74	3443.41
Mg 279.078	1172.54	1172.75	1176.08
Mn 257.610	29.6150	29.6818	29.8314
Mo 202.032	0.3175	0.0941	0.2490
Na 330.237	11291.2	11330.5	11322.2
Ni 231.604	0.2148	2.1376	0.9680
Pb 220.353	1.4415	-1.5535u	0.9117
Sb 206.834	-3.8287u	-4.7617u	-1.4831u
Se 196.026	-7.0692u	-4.4434u	0.6586
Sn 189.925	-1.6791u	-3.1990u	-2.7096u
Sr 216.596	20.1892	20.6385	19.7017
Ti 334.941	1.3762	1.3196	1.4021
Tl 190.794	-2.8020u	-0.5632u	-4.0080u
V 292.401	0.8904	0.9677	1.1592
Zn 206.200	64.6371	70.2830	715.371

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3338	ppb	0.5895	176.6	-58.0227
Al 308.215	215.680	ppb	2.2686	1.1	1210.51
As 188.980	-0.0358	ppb	2.0184	5636.2	-0.7793
B 249.678	46.6571	ppb	0.2364	0.5	656.054
Ba 389.178	22.9056	ppb	0.1035	0.5	549.761
Be 313.042	0.0313	ppb	0.0061	19.4	-180.586
Ca 370.602	6225	ppb	25.38	0.4	22475
Cd 226.502	-0.0219	ppb	0.1617	739.4	8.6470
Co 228.615	-0.2112	ppb	0.4947	234.2	2.4330
Cr 267.716	0.3290	ppb	0.1322	40.2	16.3091
Cu 324.754	24.4696	ppb	0.2821	1.2	1089.70
Fe 271.441	425.281	ppb	3.0603	0.7	813.390
K 766.491	3440.58	ppb	5.1833	0.2	183654
Mg 279.078	1173.79	ppb	1.9866	0.2	2962.94
Mn 257.610	29.7094	ppb	0.1108	0.4	7607.63
Mo 202.032	0.2202	ppb	0.1144	52.0	12.9131
Na 330.237	11314.6	ppb	20.7083	0.2	662.673
Ni 231.604	1.1068	ppb	0.9689	87.5	1.9690
Pb 220.353	0.2666	ppb	1.5983	599.6	4.4615
Sb 206.834	-3.3578	ppb	1.6893	50.3	0.9752
Se 196.026	-3.6180	ppb	3.9295	108.6	0.9842
Sn 189.925	-2.5293	ppb	0.7758	30.7	-3.2287
Sr 216.596	20.1764	ppb	0.4685	2.3	249.789
Ti 334.941	1.3660	ppb	0.0422	3.1	292.561
Tl 190.794	-2.4577	ppb	1.7480	71.1	-1.6210
V 292.401	1.0058	ppb	0.1384	13.8	26.0274
Zn 206.200	283.430	ppb	374.082	132.0	535.102

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88798-a-4-a (Samp) 4/2/2013, 10:58:05 PM Rack 1, Tube 32
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0703	0.8682	-0.2560u
Al 308.215	234.456	237.070	237.695
As 188.980	1.8764	1.3191	-2.3056u
B 249.678	33.5005	35.2577	34.5038
Ba 389.178	29.0498	28.1984	29.5766
Be 313.042	0.0429	0.0388	0.0379
Ca 370.602	6830	6839	6823
Cd 226.502	0.1917	0.2098	0.1152
Co 228.615	0.2884	0.1409	-0.1209u
Cr 267.716	0.2982	0.5157	0.5016
Cu 324.754	32.9623	34.0192	33.1044
Fe 271.441	542.279	544.895	534.652
K 766.491	3971.52	3986.04	3984.72
Mg 279.078	1242.85	1243.42	1239.59
Mn 257.610	35.7187	35.7585	35.7311
Mo 202.032	0.0248	0.2853	-0.5577u
Na 330.237	11680.8	11629.9	11935.4
Ni 231.604	1.2176	0.7538	1.1938
Pb 220.353	1.3696	1.6431	1.5747
Sb 206.834	-4.5423u	-1.9615u	0.3281
Se 196.026	1.3591	-10.2129u	-6.8766u
Sn 189.925	-0.5315u	3.3943	-1.6273u
Sr 216.596	21.1382	21.1613	21.1647
Ti 334.941	1.2912	1.4985	1.4044
Tl 190.794	-5.0415u	-3.6878u	-6.0324u
V 292.401	1.4832	1.4595	1.0168
Zn 206.200	76.8881	75.4917	113.137

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2275	ppb	0.5784	254.2	-66.1548
Al 308.215	236.407	ppb	1.7182	0.7	1318.21
As 188.980	0.2966	ppb	2.2708	765.5	-0.5351
B 249.678	34.4207	ppb	0.8815	2.6	511.543
Ba 389.178	28.9416	ppb	0.6955	2.4	696.834
Be 313.042	0.0399	ppb	0.0027	6.7	-162.099
Ca 370.602	6831	ppb	7.882	0.1	24657
Cd 226.502	0.1722	ppb	0.0502	29.1	16.4917
Co 228.615	0.1028	ppb	0.2073	201.6	6.2298
Cr 267.716	0.4385	ppb	0.1217	27.8	21.8011
Cu 324.754	33.3620	ppb	0.5736	1.7	1516.50
Fe 271.441	540.609	ppb	5.3220	1.0	1033.98
K 766.491	3980.76	ppb	8.0269	0.2	212455
Mg 279.078	1241.95	ppb	2.0676	0.2	3133.34
Mn 257.610	35.7361	ppb	0.0204	0.1	9123.29
Mo 202.032	-0.0825	ppb	0.4316	523.1	10.5736
Na 330.237	11748.7	ppb	163.666	1.4	690.158
Ni 231.604	1.0550	ppb	0.2612	24.8	1.8140
Pb 220.353	1.5292	ppb	0.1423	9.3	7.0073
Sb 206.834	-2.0586	ppb	2.4367	118.4	2.2330
Se 196.026	-5.2435	ppb	5.9563	113.6	0.1053
Sn 189.925	0.4118	ppb	2.6403	641.1	-0.4412
Sr 216.596	21.1547	ppb	0.0145	0.1	261.678
Ti 334.941	1.3980	ppb	0.1038	7.4	301.710
Tl 190.794	-4.9206	ppb	1.1770	23.9	-4.2660
V 292.401	1.3199	ppb	0.2627	19.9	35.4478
Zn 206.200	88.5057	ppb	21.3430	24.1	168.997

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88787-a-2-a (Samp) 4/2/2013, 11:04:31 PM Rack 1, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2499	0.3428	0.5838
Al 308.215	428.057	431.774	434.022
As 188.980	-3.4829u	-8.4207u	2.0342
B 249.678	123.835	123.985	124.211
Ba 389.178	45.0384	45.8956	47.0892
Be 313.042	0.0198	0.0098	0.0186
Ca 370.602	38585	38492	38612
Cd 226.502	48.4495	48.5370	48.4814
Co 228.615	0.2496u	-0.3079u	0.4479
Cr 267.716	43.5010	43.3378	43.4942
Cu 324.754	15.8665	15.2224	14.7162
Fe 271.441	910.164	909.419	912.943
K 766.491	27588.8	27544.2	27471.8
Mg 279.078	1916.98	1908.70	1909.39
Mn 257.610	63.9035	63.7422	63.9063
Mo 202.032	144.194	144.795	145.703
Na 330.237	31758.4	31439.5	31638.6
Ni 231.604	7.6712	7.8687	6.7278
Pb 220.353	-0.4010u	-1.5746u	1.4368
Sb 206.834	-7.0675u	-3.9913u	-5.7530u
Se 196.026	0.4075	-8.4950u	6.5239
Sn 189.925	-0.0156	-2.6097u	0.9884
Sr 216.596	218.796	218.107	218.905
Ti 334.941	5.6958	5.6093	5.8508
Tl 190.794	-2.6943u	-1.0815u	-3.4213u
V 292.401	1.3777	1.9509	1.8657
Zn 206.200	208.429	207.325	251.383

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3921	ppb	0.1723	43.9	-62.9421
Al 308.215	431.284	ppb	3.0123	0.7	2349.08
As 188.980	-3.2898	ppb	5.2301	159.0	-2.8525
B 249.678	124.010	ppb	0.1891	0.2	1568.25
Ba 389.178	46.0077	ppb	1.0299	2.2	1114.85
Be 313.042	0.0161	ppb	0.0055	34.2	-229.818
Ca 370.602	38563	ppb	62.68	0.2	139408
Cd 226.502	48.4893	ppb	0.0443	0.1	1899.81
Co 228.615	0.1299	ppb	0.3919	301.8	1.6531
Cr 267.716	43.4443	ppb	0.0924	0.2	2154.21
Cu 324.754	15.2684	ppb	0.5765	3.8	652.138
Fe 271.441	910.842	ppb	1.8571	0.2	1742.11
K 766.491	27535.0	ppb	59.0253	0.2	1468333
Mg 279.078	1911.69	ppb	4.5921	0.2	4808.07
Mn 257.610	63.8507	ppb	0.0939	0.1	16196.8
Mo 202.032	144.897	ppb	0.7599	0.5	1127.89
Na 330.237	31612.2	ppb	161.091	0.5	1871.25
Ni 231.604	7.4226	ppb	0.6097	8.2	21.1852
Pb 220.353	-0.1796	ppb	1.5179	845.2	3.3258
Sb 206.834	-5.6039	ppb	1.5435	27.5	-2.6864
Se 196.026	-0.5212	ppb	7.5524	1449.0	2.6756
Sn 189.925	-0.5456	ppb	1.8567	340.3	-1.3251
Sr 216.596	218.603	ppb	0.4328	0.2	2630.90
Ti 334.941	5.7186	ppb	0.1223	2.1	1498.05
Tl 190.794	-2.3990	ppb	1.1975	49.9	-1.7067
V 292.401	1.7314	ppb	0.3093	17.9	13.2916
Zn 206.200	222.379	ppb	25.1239	11.3	420.275

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88759-a-2-a (Samp) 4/2/2013, 11:10:56 PM Rack 1, Tube 34
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4593	-0.3450u	0.7292
Al 308.215	35.1715	36.2362	36.5662
As 188.980	7.6714	-5.3252u	-2.7903u
B 249.678	66.2817	66.6520	67.4181
Ba 389.178	-0.0435	-0.2357	1.0251
Be 313.042	0.0050	0.0073	0.0014u
Ca 370.602	11521	11558	11562
Cd 226.502	0.1615	-0.0918u	0.2549
Co 228.615	0.2974	-1.2195u	-0.3387u
Cr 267.716	0.8305	0.6592	0.7484
Cu 324.754	27.6436	27.6697	28.2499
Fe 271.441	130.316	131.319	129.078
K 766.491	1649.59	1653.08	1652.60
Mg 279.078	5315.04	5338.91	5326.03
Mn 257.610	10.4674	10.4833	10.4839
Mo 202.032	2.8142	3.0886	2.7092
Na 330.237	53024.3	53255.3	53327.1
Ni 231.604	165.472	165.134	163.657
Pb 220.353	0.7054	0.6378	1.4272
Sb 206.834	-5.1300u	-6.5203u	-2.7018u
Se 196.026	-4.7123u	-3.0242u	8.5683
Sn 189.925	20.7750	13.7772	14.5880
Sr 216.596	125.604	125.575	126.127
Ti 334.941	0.7064	0.7067	0.7769
Tl 190.794	-3.2485u	-0.1304u	-4.7543u
V 292.401	-0.6352u	-0.0691u	-0.2369u
Zn 206.200	2478.27	2491.93	2485.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2812	ppb	0.5588	198.8	-67.1395
Al 308.215	35.9913	ppb	0.7289	2.0	276.680
As 188.980	-0.1480	ppb	6.8894	4654.9	-0.8050
B 249.678	66.7839	ppb	0.5796	0.9	893.880
Ba 389.178	0.2486	ppb	0.6793	273.2	10.0456
Be 313.042	0.0046	ppb	0.0030	65.3	-240.993
Ca 370.602	11547	ppb	22.70	0.2	41754
Cd 226.502	0.1082	ppb	0.1794	165.7	12.7747
Co 228.615	-0.4203	ppb	0.7617	181.2	-0.2020
Cr 267.716	0.7460	ppb	0.0857	11.5	37.5709
Cu 324.754	27.8544	ppb	0.3428	1.2	1252.15
Fe 271.441	130.237	ppb	1.1226	0.9	249.242
K 766.491	1651.76	ppb	1.8888	0.1	88276.1
Mg 279.078	5326.66	ppb	11.9444	0.2	13351.2
Mn 257.610	10.4782	ppb	0.0094	0.1	2810.15
Mo 202.032	2.8707	ppb	0.1959	6.8	33.3584
Na 330.237	53202.2	ppb	158.200	0.3	3137.23
Ni 231.604	164.754	ppb	0.9653	0.6	499.571
Pb 220.353	0.9235	ppb	0.4376	47.4	5.7802
Sb 206.834	-4.7840	ppb	1.9326	40.4	-0.4311
Se 196.026	0.2773	ppb	7.2297	2607.6	3.0891
Sn 189.925	16.3801	ppb	3.8277	23.4	14.7093
Sr 216.596	125.768	ppb	0.3106	0.2	1515.31
Ti 334.941	0.7300	ppb	0.0406	5.6	132.015
Tl 190.794	-2.7111	ppb	2.3583	87.0	-1.8476
V 292.401	-0.3137	ppb	0.2908	92.7	-14.1828
Zn 206.200	2485.19	ppb	6.8324	0.3	4670.41

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-a-1-a (Samp) 4/2/2013, 11:17:22 PM Rack 1, Tube 35
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0410u	0.6042	0.5165
Al 308.215	10.5075	15.8111	13.6562
As 188.980	7.6757	5.7727	12.8176
B 249.678	61.3277	62.3382	61.3553
Ba 389.178	828.943	829.664	829.931
Be 313.042	0.0554	0.0639	0.0624
Ca 370.602	111412	111352	111142
Cd 226.502	0.1258	-0.1931	0.0400
Co 228.615	36.8437	36.4629	37.7542
Cr 267.716	2.0330	1.8204	1.9822
Cu 324.754	21.3495	19.8340	20.2489
Fe 271.441	3863.51	3856.59	3869.54
K 766.491	2216.78	2222.76	2227.27
Mg 279.078	43079.0	43096.1	43018.8
Mn 257.610	1584.30	1586.09	1584.89
Mo 202.032	0.0029u	-0.6955u	0.5108
Na 330.237	45904.2	45759.5	45981.8
Ni 231.604	640.546	641.009	642.644
Pb 220.353	4.7392	-0.2894u	1.0607
Sb 206.834	-8.4647u	-6.1728u	2.1364
Se 196.026	-9.3734u	-12.2856u	-10.0858u
Sn 189.925	-0.3539u	0.6963	-0.3580u
Sr 216.596	674.119	675.963	673.667
Ti 334.941	-0.1903	-0.0949	-0.0079
Tl 190.794	1.7812u	6.3869	1.4783u
V 292.401	0.6091	0.3870	0.6315
Zn 206.200	2095.62	2101.56	2130.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3872	ppb	0.3031	78.3	-78.4181
Al 308.215	13.3249	ppb	2.6673	20.0	158.452
As 188.980	8.7553	ppb	3.6444	41.6	6.5491
B 249.678	61.6737	ppb	0.5756	0.9	829.210
Ba 389.178	829.513	ppb	0.5108	0.1	20276.6
Be 313.042	0.0606	ppb	0.0045	7.5	-84.1568
Ca 370.602	111302	ppb	141.7	0.1	402300
Cd 226.502	-0.0091	ppb	0.1650	1818.8	18.1862
Co 228.615	37.0203	ppb	0.6635	1.8	451.246
Cr 267.716	1.9452	ppb	0.1111	5.7	104.806
Cu 324.754	20.4775	ppb	0.7832	3.8	899.072
Fe 271.441	3863.21	ppb	6.4809	0.2	7393.19
K 766.491	2222.27	ppb	5.2610	0.2	118695
Mg 279.078	43064.6	ppb	40.5900	0.1	107719
Mn 257.610	1585.09	ppb	0.9141	0.1	398909
Mo 202.032	-0.0606	ppb	0.6056	999.2	10.5675
Na 330.237	45881.8	ppb	112.843	0.2	2703.42
Ni 231.604	641.400	ppb	1.1021	0.2	1949.01
Pb 220.353	1.8368	ppb	2.6026	141.7	8.0233
Sb 206.834	-4.1670	ppb	5.5779	133.9	0.2929
Se 196.026	-10.5816	ppb	1.5181	14.3	-2.3486
Sn 189.925	-0.0052	ppb	0.6075	11661.9	-0.7724
Sr 216.596	674.583	ppb	1.2166	0.2	8111.22
Ti 334.941	-0.0977	ppb	0.0912	93.4	73.0740
Tl 190.794	3.2155	ppb	2.7507	85.5	1.8405
V 292.401	0.5426	ppb	0.1352	24.9	12.4359
Zn 206.200	2109.33	ppb	18.8356	0.9	2064.46

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-a-2-a (Samp) 4/2/2013, 11:23:49 PM Rack 1, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3665u	0.1626u	0.3036u
Al 308.215	10.0426	11.0444	7.7269
As 188.980	3.5776	2.2082	1.7792
B 249.678	69.0252	68.9782	62.3964
Ba 389.178	760.860	763.719	691.793
Be 313.042	0.0353	0.0358	0.0422
Ca 370.602	111729	111616	100807
Cd 226.502	-0.0019	0.1708	0.0427
Co 228.615	33.0798	31.7867	29.3283
Cr 267.716	0.5599	0.7835	0.4945
Cu 324.754	9.1492	8.8518	8.1270
Fe 271.441	1507.59	1503.60	1364.14
K 766.491	2217.65	2222.77	2023.52
Mg 279.078	42595.8	42505.9	38640.2
Mn 257.610	1415.96	1413.96	1283.64
Mo 202.032	0.1727	0.6088	-0.0331u
Na 330.237	49680.4	50086.2	45779.2
Ni 231.604	602.265	601.112	548.924
Pb 220.353	-1.1126u	0.1899	1.2113
Sb 206.834	-4.4531u	-7.3379u	-3.7981u
Se 196.026	3.2311	-0.6396	2.3416
Sn 189.925	-3.2004u	-3.6186u	-0.4863u
Sr 216.596	669.367	669.670	614.416
Ti 334.941	-0.2400	-0.1982	-0.2365
Tl 190.794	-1.0953u	-1.2427u	-2.6361u
V 292.401	-0.3250u	-0.2650u	-0.0017u
Zn 206.200	3475.41	3463.25	3146.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0332	ppb	0.3533	1062.7	-105.124
Al 308.215	9.6046	ppb	1.7015	17.7	139.145
As 188.980	2.5217	ppb	0.9393	37.2	2.0575
B 249.678	66.7999	ppb	3.8136	5.7	892.510
Ba 389.178	738.790	ppb	40.7264	5.5	18062.7
Be 313.042	0.0378	ppb	0.0038	10.2	-133.741
Ca 370.602	108051	ppb	6274	5.8	390754
Cd 226.502	0.0705	ppb	0.0896	127.1	15.1732
Co 228.615	31.3983	ppb	1.9057	6.1	383.522
Cr 267.716	0.6127	ppb	0.1515	24.7	37.2374
Cu 324.754	8.7093	ppb	0.5258	6.0	333.607
Fe 271.441	1458.44	ppb	81.6956	5.6	2794.23
K 766.491	2154.65	ppb	113.589	5.3	115090
Mg 279.078	41247.3	ppb	2258.25	5.5	103177
Mn 257.610	1371.19	ppb	75.8277	5.5	345124
Mo 202.032	0.2495	ppb	0.3277	131.4	13.0861
Na 330.237	48515.3	ppb	2378.18	4.9	2850.20
Ni 231.604	584.100	ppb	30.4688	5.2	1774.72
Pb 220.353	0.0962	ppb	1.1647	1210.8	4.4623
Sb 206.834	-5.1964	ppb	1.8833	36.2	-0.7626
Se 196.026	1.6444	ppb	2.0273	123.3	4.2071
Sn 189.925	-2.4351	ppb	1.7006	69.8	-3.0754
Sr 216.596	651.151	ppb	31.8137	4.9	7829.38
Ti 334.941	-0.2249	ppb	0.0232	10.3	29.1472
Tl 190.794	-1.6580	ppb	0.8503	51.3	-2.9040
V 292.401	-0.1972	ppb	0.1719	87.2	-9.5868
Zn 206.200	3361.62	ppb	186.660	5.6	6316.49

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/2/2013, 11:30:14 PM Rack 1, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	489.867	484.551	490.623
Al 308.215	4863.33	4847.01	4838.63
As 188.980	487.532	495.605	494.992
B 249.678	512.524	517.966	520.473
Ba 389.178	4864.41	4852.90	4859.75
Be 313.042	489.880	487.482	487.497
Ca 370.602	5064	5063	5058
Cd 226.502	495.341	496.643	497.907
Co 228.615	502.524	504.569	503.625
Cr 267.716	4841.21	4817.47	4822.71
Cu 324.754	4805.01	4897.06	4930.66
Fe 271.441	5049.87	5034.59	5041.12
K 766.491	9954.50	9932.22	9893.53
Mg 279.078	4993.11	4983.61	4977.49
Mn 257.610	4959.08	4948.20	4963.74
Mo 202.032	496.933	495.404	494.990
Na 330.237	7601.49	7619.95	7325.81
Ni 231.604	2485.51	2480.66	2483.10
Pb 220.353	489.957	490.752	488.209
Sb 206.834	980.740	972.550	983.176
Se 196.026	4942.86	4989.03	4968.88
Sn 189.925	4976.29	4981.25	4914.13
Sr 216.596	2425.66	2411.17	2414.01
Ti 334.941	492.230	489.346	488.960
Tl 190.794	5073.66	5103.30	5107.34
V 292.401	4950.21	4951.53	4952.77
Zn 206.200	2543.07	2570.58	2575.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.347	ppb	3.3091	0.7	36991.9	97.66934
Al 308.215	4849.66	ppb	12.5626	0.3	25282.5	96.99314
As 188.980	492.710	ppb	4.4944	0.9	353.756	98.54199
B 249.678	516.987	ppb	4.0638	0.8	6200.16	20.67950Q
Ba 389.178	4859.02	ppb	5.7893	0.1	118133	97.18049
Be 313.042	488.286	ppb	1.3802	0.3	1035684	97.65724
Ca 370.602	5062	ppb	2.725	0.1	18154	101.23138
Cd 226.502	496.630	ppb	1.2832	0.3	19370.5	99.32603
Co 228.615	503.573	ppb	1.0231	0.2	6085.81	100.71454
Cr 267.716	4827.13	ppb	12.4740	0.3	239305	96.54258
Cu 324.754	4877.58	ppb	65.0532	1.3	233975	97.55155
Fe 271.441	5041.86	ppb	7.6658	0.2	9777.98	100.83723
K 766.491	9926.75	ppb	30.8483	0.3	529487	99.26750
Mg 279.078	4984.74	ppb	7.8696	0.2	12401.5	99.69472
Mn 257.610	4957.01	ppb	7.9772	0.2	1246040	99.14014
Mo 202.032	495.776	ppb	1.0234	0.2	3821.91	99.15517
Na 330.237	7515.75	ppb	164.750	2.2	410.822	100.21001
Ni 231.604	2483.09	ppb	2.4231	0.1	7549.13	99.32372
Pb 220.353	489.639	ppb	1.3009	0.3	990.424	97.92783
Sb 206.834	978.822	ppb	5.5666	0.6	988.952	97.88220
Se 196.026	4966.92	ppb	23.1476	0.5	2697.26	99.33842
Sn 189.925	4957.22	ppb	37.4043	0.8	4696.62	99.14443
Sr 216.596	2416.95	ppb	7.6830	0.3	28971.5	96.67785
Ti 334.941	490.179	ppb	1.7866	0.4	135488	98.03575
Tl 190.794	5094.77	ppb	18.3902	0.4	5436.34	101.89541
V 292.401	4951.50	ppb	1.2778	0.0	146976	99.03005
Zn 206.200	2563.15	ppb	17.5854	0.7	4798.77	102.52586

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/2/2013, 11:36:38 PM Rack 1, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4402u	1.0274	0.1565
Al 308.215	-0.0284u	1.7793	2.2398
As 188.980	5.7024	1.1490	-5.1687u
B 249.678	5.9387	4.0889	4.0293
Ba 389.178	-0.5031u	0.9284	1.8922
Be 313.042	0.0498	0.0795	0.2070
Ca 370.602	6.455	4.536	16.82
Cd 226.502	-0.0440u	0.0821	0.1139
Co 228.615	0.3096	-0.5542u	0.3446
Cr 267.716	0.2255	0.8423	2.2926
Cu 324.754	0.9234	1.3162	1.0966
Fe 271.441	0.6903	11.1432	2.9199
K 766.491	2.8375	3.9236	5.9372
Mg 279.078	-1.0992u	1.4019	5.0312
Mn 257.610	0.3262	0.6220	2.3416
Mo 202.032	0.1768	0.0757	0.1142
Na 330.237	178.797	-28.4183u	4.1965
Ni 231.604	1.8345	1.4020	1.3302
Pb 220.353	0.7377	-2.9136u	-1.4896u
Sb 206.834	-0.1142u	-3.3345u	-3.7982u
Se 196.026	-4.7362u	-6.0100u	-0.1487u
Sn 189.925	-0.7708u	0.1361	0.4471
Sr 216.596	1.0108	1.0082	1.8583
Ti 334.941	0.1158	0.1283	0.2985
Tl 190.794	2.3531	-0.4039u	2.7124
V 292.401	0.9563	0.9615	1.9622
Zn 206.200	11.6043	12.7235	54.2610

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2479	ppb	0.7380	297.7	-63.7572	0.24791
Al 308.215	1.3302	ppb	1.1989	90.1	96.0912	1.33024
As 188.980	0.5609	ppb	5.4593	973.3	-0.4061	0.56091
B 249.678	4.6856	ppb	1.0856	23.2	161.308	4.68564
Ba 389.178	0.7725	ppb	1.2052	156.0	7.9171	0.77252
Be 313.042	0.1121	ppb	0.0835	74.5	-9.8547	0.11206
Ca 370.602	9.271	ppb	6.609	71.3	29.86	9.27104
Cd 226.502	0.0506	ppb	0.0835	164.9	10.4560	0.05064
Co 228.615	0.0334	ppb	0.5091	1526.5	5.3708	0.03335
Cr 267.716	1.1201	ppb	1.0612	94.7	55.0928	1.12011
Cu 324.754	1.1121	ppb	0.1969	17.7	-31.4419	1.11206
Fe 271.441	4.9178	ppb	5.5054	111.9	9.7557	4.91780
K 766.491	4.2328	ppb	1.5728	37.2	432.438	4.23280
Mg 279.078	1.7780	ppb	3.0825	173.4	31.8248	1.77796
Mn 257.610	1.0966	ppb	1.0883	99.2	404.639	1.09661
Mo 202.032	0.1222	ppb	0.0511	41.8	12.1800	0.12224
Na 330.237	51.5249	ppb	111.420	216.2	-5.4126	51.52491
Ni 231.604	1.5222	ppb	0.2728	17.9	3.2217	1.52225
Pb 220.353	-1.2218	ppb	1.8403	150.6	1.4606	-1.22183
Sb 206.834	-2.4156	ppb	2.0066	83.1	1.8837	-2.41563
Se 196.026	-3.6316	ppb	3.0828	84.9	0.9664	-3.63164
Sn 189.925	-0.0625	ppb	0.6328	1012.2	-0.8987	-0.06252
Sr 216.596	1.2924	ppb	0.4901	37.9	22.0866	1.29245
Ti 334.941	0.1809	ppb	0.1021	56.5	-39.6037	0.18086
Tl 190.794	1.5539	ppb	1.7050	109.7	2.7313	1.55389
V 292.401	1.2933	ppb	0.5792	44.8	34.6490	1.29333
Zn 206.200	26.1963	ppb	24.3112	92.8	51.9664	26.19626Z

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-a-3-a (Samp) 4/2/2013, 11:43:02 PM Rack 1, Tube 39
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.2000	-0.6611u	-0.8607u
Al 308.215	31.8030	29.3016	32.0242
As 188.980	18.3870	17.1328	16.8432
B 249.678	159.668	169.414	162.960
Ba 389.178	268.147	282.492	272.911
Be 313.042	-0.0086	-0.0090	-0.0191u
Ca 370.602	112797	119382	114793
Cd 226.502	0.0657	0.1145	0.1426
Co 228.615	1.3096	1.0849	0.6449
Cr 267.716	0.1891	0.2695	0.2952
Cu 324.754	0.9143	0.9495	0.3838
Fe 271.441	103.504	109.290	103.346
K 766.491	2367.34	2469.88	2404.63
Mg 279.078	43015.4	45475.3	43683.8
Mn 257.610	2577.21	2725.82	2620.39
Mo 202.032	52.7067	55.6890	53.1459
Na 330.237	51212.1	53845.2	51757.0
Ni 231.604	6.5079	8.1175	8.4810
Pb 220.353	-1.6468u	-3.3527u	1.6237
Sb 206.834	-5.5086u	-4.3986u	-1.5990u
Se 196.026	1.5181	0.3508	-11.5268u
Sn 189.925	-0.9386u	-0.1706u	-3.4369u
Sr 216.596	687.493	726.492	699.943
Ti 334.941	-0.2923	-0.1941	-0.3401
Tl 190.794	2.7660u	6.2227	1.7614u
V 292.401	4.3221	4.5190	4.0288
Zn 206.200	24.3528	25.2017	23.4846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1072	ppb	1.1365	1059.7	-112.603
Al 308.215	31.0429	ppb	1.5121	4.9	257.061
As 188.980	17.4543	ppb	0.8206	4.7	12.8816
B 249.678	164.014	ppb	4.9579	3.0	2041.15
Ba 389.178	274.516	ppb	7.3059	2.7	6783.52
Be 313.042	-0.0122	ppb	0.0060	48.7	-247.712
Ca 370.602	115657	ppb	3377	2.9	418434
Cd 226.502	0.1076	ppb	0.0389	36.2	13.2092
Co 228.615	1.0131	ppb	0.3381	33.4	15.2767
Cr 267.716	0.2512	ppb	0.0553	22.0	24.7413
Cu 324.754	0.7492	ppb	0.3169	42.3	-47.4122
Fe 271.441	105.380	ppb	3.3871	3.2	202.011
K 766.491	2413.95	ppb	51.9037	2.2	128915
Mg 279.078	44058.2	ppb	1271.98	2.9	110183
Mn 257.610	2641.14	ppb	76.4484	2.9	664324
Mo 202.032	53.8472	ppb	1.6101	3.0	426.219
Na 330.237	52271.4	ppb	1389.93	2.7	3103.09
Ni 231.604	7.7021	ppb	1.0501	13.6	22.0155
Pb 220.353	-1.1253	ppb	2.5288	224.7	2.2566
Sb 206.834	-3.8354	ppb	2.0147	52.5	-0.2012
Se 196.026	-3.2193	ppb	7.2182	224.2	1.9051
Sn 189.925	-1.5153	ppb	1.7078	112.7	-2.1985
Sr 216.596	704.643	ppb	19.9201	2.8	8480.81
Ti 334.941	-0.2755	ppb	0.0745	27.0	27.1839
Tl 190.794	3.5834	ppb	2.3403	65.3	0.7433
V 292.401	4.2900	ppb	0.2467	5.8	112.447
Zn 206.200	24.3464	ppb	0.8586	3.5	484.950

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-a-4-a (Samp) 4/2/2013, 11:49:26 PM Rack 1, Tube 40
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4624	-0.1387u	-0.1673u
Al 308.215	12.6993	14.0394	15.6293
As 188.980	18.0375	21.2838	18.8828
B 249.678	159.408	160.692	161.888
Ba 389.178	695.965	695.885	691.236
Be 313.042	-0.0191u	-0.0168u	-0.0166u
Ca 370.602	114286	114322	114364
Cd 226.502	0.1263	0.0754	0.0685
Co 228.615	-0.0466u	0.4106	0.1811
Cr 267.716	0.0923	0.0228	0.3914
Cu 324.754	0.9213	1.0325	0.4668
Fe 271.441	74.9536	58.7247	68.3130
K 766.491	2326.81	2328.82	2328.97
Mg 279.078	41362.7	41304.6	41309.9
Mn 257.610	348.613	348.424	348.129
Mo 202.032	53.5022	53.6817	53.4669
Na 330.237	50936.6	50846.2	50629.0
Ni 231.604	4.4586	4.4995	4.8404
Pb 220.353	0.8008	-0.6998u	0.1688
Sb 206.834	3.7141	-3.2522u	-0.4925u
Se 196.026	-1.0230u	-4.0689u	1.9876
Sn 189.925	-1.9783u	-2.7442u	-0.9716u
Sr 216.596	718.804	718.581	720.449
Ti 334.941	-0.2343	-0.2861	-0.3361
Tl 190.794	-2.7533u	-3.2786u	-5.4916u
V 292.401	0.2491u	1.2641	1.1577
Zn 206.200	69.7520	70.7759	72.8780

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0522	ppb	0.3556	681.8	-111.610
Al 308.215	14.1227	ppb	1.4668	10.4	169.108
As 188.980	19.4013	ppb	1.6841	8.7	14.2678
B 249.678	160.663	ppb	1.2402	0.8	2001.66
Ba 389.178	694.362	ppb	2.7077	0.4	16981.3
Be 313.042	-0.0175	ppb	0.0014	8.0	-258.397
Ca 370.602	114324	ppb	38.82	0.0	413542
Cd 226.502	0.0901	ppb	0.0316	35.1	12.4034
Co 228.615	0.1817	ppb	0.2286	125.8	5.2631
Cr 267.716	0.1688	ppb	0.1959	116.0	10.4414
Cu 324.754	0.8069	ppb	0.2997	37.1	-44.6300
Fe 271.441	67.3305	ppb	8.1589	12.1	128.985
K 766.491	2328.20	ppb	1.2021	0.1	124343
Mg 279.078	41325.7	ppb	32.1220	0.1	103392
Mn 257.610	348.389	ppb	0.2441	0.1	88059.2
Mo 202.032	53.5502	ppb	0.1152	0.2	423.940
Na 330.237	50803.9	ppb	158.093	0.3	3015.34
Ni 231.604	4.5995	ppb	0.2096	4.6	12.5804
Pb 220.353	0.0899	ppb	0.7534	837.8	4.1074
Sb 206.834	-0.0102	ppb	3.5081	34311.3	3.4766
Se 196.026	-1.0347	ppb	3.0283	292.7	2.4690
Sn 189.925	-1.8980	ppb	0.8890	46.8	-2.5625
Sr 216.596	719.278	ppb	1.0203	0.1	8656.47
Ti 334.941	-0.2855	ppb	0.0509	17.8	12.4316
Tl 190.794	-3.8412	ppb	1.4532	37.8	-3.6040
V 292.401	0.8903	ppb	0.5578	62.7	11.2969
Zn 206.200	71.1353	ppb	1.5937	2.2	136.374

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-d-5-a (Samp) 4/2/2013, 11:55:50 PM Rack 1, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2747u	-0.5351u	-0.1312u
Al 308.215	13.0015	10.1007	12.0580
As 188.980	20.3918	26.3511	18.4685
B 249.678	160.848	160.650	161.914
Ba 389.178	744.122	746.270	747.655
Be 313.042	-0.0140u	-0.0222u	-0.0029
Ca 370.602	109813	109657	109580
Cd 226.502	-0.0101	-0.0111u	0.2194
Co 228.615	0.1723	0.4748	0.5787
Cr 267.716	0.0916	0.2178	0.3408
Cu 324.754	4.6225	4.5687	4.6713
Fe 271.441	59.5001	55.8834	55.2702
K 766.491	2314.79	2322.73	2319.51
Mg 279.078	43035.8	43009.4	43011.3
Mn 257.610	7.8920	7.8241	8.2145
Mo 202.032	55.2171	54.1641	54.5238
Na 330.237	50481.2	50387.3	50734.5
Ni 231.604	3.1762	5.2636	5.0823
Pb 220.353	1.9217	-0.3658u	0.8686
Sb 206.834	2.5581	-4.1289u	0.9071
Se 196.026	-5.8725u	-0.3245u	-12.6542u
Sn 189.925	-0.8287u	-0.4860u	-0.6462u
Sr 216.596	706.781	705.779	704.176
Ti 334.941	-0.2791	-0.3552	-0.3012
Tl 190.794	-3.1297u	-4.1219u	-0.3234u
V 292.401	0.3905u	0.6264	0.8295
Zn 206.200	172.508	168.573	183.333

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3137	ppb	0.2047	65.3	-140.570
Al 308.215	11.7201	ppb	1.4796	12.6	156.748
As 188.980	21.7371	ppb	4.1099	18.9	15.9060
B 249.678	161.137	ppb	0.6795	0.4	2007.26
Ba 389.178	746.016	ppb	1.7801	0.2	18241.5
Be 313.042	-0.0130	ppb	0.0097	74.7	-250.790
Ca 370.602	109684	ppb	118.9	0.1	396746
Cd 226.502	0.0661	ppb	0.1328	201.0	11.4713
Co 228.615	0.4086	ppb	0.2111	51.7	7.9619
Cr 267.716	0.2167	ppb	0.1246	57.5	11.2971
Cu 324.754	4.6209	ppb	0.0513	1.1	138.445
Fe 271.441	56.8846	ppb	2.2857	4.0	109.130
K 766.491	2319.01	ppb	3.9925	0.2	123853
Mg 279.078	43018.8	ppb	14.6975	0.0	107633
Mn 257.610	7.9769	ppb	0.2086	2.6	2518.27
Mo 202.032	54.6350	ppb	0.5352	1.0	432.301
Na 330.237	50534.3	ppb	179.613	0.4	2998.41
Ni 231.604	4.5074	ppb	1.1564	25.7	12.3002
Pb 220.353	0.8081	ppb	1.1449	141.7	5.4639
Sb 206.834	-0.2212	ppb	3.4834	1574.7	3.2603
Se 196.026	-6.2837	ppb	6.1751	98.3	-0.4690
Sn 189.925	-0.6536	ppb	0.1715	26.2	-1.3856
Sr 216.596	705.579	ppb	1.3137	0.2	8491.39
Ti 334.941	-0.3119	ppb	0.0391	12.6	12.8549
Tl 190.794	-2.5250	ppb	1.9702	78.0	-1.6670
V 292.401	0.6155	ppb	0.2197	35.7	2.9155
Zn 206.200	174.805	ppb	7.6432	4.4	331.083

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-d-5-aSD^5 (Samp) 4/3/2013, 12:02:15 AM Rack 1, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2172u	0.3339	-0.4035u
Al 308.215	2.9302	4.2096	6.0659
As 188.980	-0.2486	4.6792	1.7657
B 249.678	34.8231	35.0849	34.8576
Ba 389.178	166.463	166.762	168.322
Be 313.042	0.0085	0.0154	0.0243
Ca 370.602	24010	24075	24172
Cd 226.502	0.0816	0.2097	0.1272
Co 228.615	-1.1950u	0.5311	-0.1021u
Cr 267.716	0.1675	0.3585	0.1751
Cu 324.754	1.2443	1.2384	1.5507
Fe 271.441	19.1526	15.2532	14.6470
K 766.491	491.516	490.651	491.341
Mg 279.078	9662.21	9688.18	9711.47
Mn 257.610	2.0502	2.3996	2.7004
Mo 202.032	12.0710	12.2397	11.9284
Na 330.237	10887.8	10980.4	10997.7
Ni 231.604	2.6473	2.2767	2.0474
Pb 220.353	1.0781	-1.5332u	1.2148
Sb 206.834	4.2153	-0.8856u	2.4398
Se 196.026	-9.2939u	-4.6790u	-7.3127u
Sn 189.925	-0.8753u	-2.5511u	0.7676
Sr 216.596	161.447	161.683	162.664
Ti 334.941	-0.0329	0.0119	0.0482
Tl 190.794	-0.1196u	-1.4629u	-7.4666u
V 292.401	0.0160u	0.0338u	0.1090
Zn 206.200	61.2436	82.8565	96.3391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0956	ppb	0.3834	401.0	-97.6508
Al 308.215	4.4019	ppb	1.5767	35.8	113.556
As 188.980	2.0655	ppb	2.4775	120.0	0.9105
B 249.678	34.9219	ppb	0.1422	0.4	518.058
Ba 389.178	167.182	ppb	0.9983	0.6	4079.61
Be 313.042	0.0161	ppb	0.0079	49.3	-208.136
Ca 370.602	24086	ppb	81.29	0.3	87119
Cd 226.502	0.1395	ppb	0.0650	46.6	14.0171
Co 228.615	-0.2553	ppb	0.8732	342.0	1.4560
Cr 267.716	0.2337	ppb	0.1081	46.3	11.3675
Cu 324.754	1.3445	ppb	0.1786	13.3	-19.9468
Fe 271.441	16.3509	ppb	2.4451	15.0	31.4927
K 766.491	491.169	ppb	0.4571	0.1	26395.2
Mg 279.078	9687.29	ppb	24.6444	0.3	24258.9
Mn 257.610	2.3834	ppb	0.3254	13.7	814.515
Mo 202.032	12.0797	ppb	0.1559	1.3	104.336
Na 330.237	10955.3	ppb	59.1196	0.5	643.189
Ni 231.604	2.3238	ppb	0.3027	13.0	5.6593
Pb 220.353	0.2532	ppb	1.5486	611.6	4.4137
Sb 206.834	1.9231	ppb	2.5894	134.6	5.8818
Se 196.026	-7.0952	ppb	2.3151	32.6	-0.9109
Sn 189.925	-0.8863	ppb	1.6594	187.2	-1.6633
Sr 216.596	161.932	ppb	0.6455	0.4	1953.73
Ti 334.941	0.0091	ppb	0.0406	447.9	-44.6292
Tl 190.794	-3.0164	ppb	3.9121	129.7	-2.1593
V 292.401	0.0529	ppb	0.0493	93.2	-4.7983
Zn 206.200	80.1464	ppb	17.7040	22.1	152.298

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-d-5-aPDS (Samp) 4/3/2013, 12:08:40 AM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	50.2534	49.5358	49.6201
Al 308.215	1943.09	1937.13	1945.71
As 188.980	2267.90	2246.07	2263.47
B 249.678	159.532	160.284	161.998
Ba 389.178	2815.27	2803.48	2813.29
Be 313.042	52.7577	52.4018	52.6765
Ca 370.602	109881	109381	109906
Cd 226.502	53.1790	52.8384	52.4964
Co 228.615	533.224	531.759	536.542
Cr 267.716	207.302	206.498	207.236
Cu 324.754	271.909	266.830	270.686
Fe 271.441	1064.24	1062.55	1057.20
K 766.491	2329.89	2315.62	2318.38
Mg 279.078	43176.4	42869.9	43067.9
Mn 257.610	547.289	543.878	545.332
Mo 202.032	55.0658	53.7454	54.3119
Na 330.237	50488.4	50528.4	50440.1
Ni 231.604	518.808	517.163	515.571
Pb 220.353	499.091	493.227	493.165
Sb 206.834	503.297	504.216	502.634
Se 196.026	2045.15	2042.08	2022.04
Sn 189.925	-1.0551u	-1.6730u	-1.1929u
Sr 216.596	711.321	708.507	711.270
Ti 334.941	-0.2969	-0.3739	-0.3769
Tl 190.794	2061.94	2047.25	2046.98
V 292.401	507.301	503.747	504.752
Zn 206.200	675.575	674.435	677.633

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8031	ppb	0.3923	0.8	3675.97
Al 308.215	1941.98	ppb	4.3961	0.2	10183.7
As 188.980	2259.15	ppb	11.5362	0.5	1626.74
B 249.678	160.605	ppb	1.2636	0.8	1999.74
Ba 389.178	2810.68	ppb	6.3123	0.2	68430.4
Be 313.042	52.6120	ppb	0.1865	0.4	111405
Ca 370.602	109723	ppb	296.2	0.3	396814
Cd 226.502	52.8379	ppb	0.3413	0.6	2070.17
Co 228.615	533.842	ppb	2.4510	0.5	6440.85
Cr 267.716	207.012	ppb	0.4461	0.2	10261.6
Cu 324.754	269.809	ppb	2.6509	1.0	12861.2
Fe 271.441	1061.33	ppb	3.6779	0.3	2125.13
K 766.491	2321.30	ppb	7.5715	0.3	123975
Mg 279.078	43038.1	ppb	155.391	0.4	107671
Mn 257.610	545.500	ppb	1.7120	0.3	137618
Mo 202.032	54.3744	ppb	0.6624	1.2	429.222
Na 330.237	50485.6	ppb	44.2154	0.1	2990.81
Ni 231.604	517.181	ppb	1.6188	0.3	1571.23
Pb 220.353	495.161	ppb	3.4038	0.7	1001.51
Sb 206.834	503.382	ppb	0.7942	0.2	489.476
Se 196.026	2036.42	ppb	12.5508	0.6	1107.19
Sn 189.925	-1.3070	ppb	0.3244	24.8	-2.0048
Sr 216.596	710.366	ppb	1.6104	0.2	8539.66
Ti 334.941	-0.3492	ppb	0.0453	13.0	2.7142
Tl 190.794	2052.06	ppb	8.5634	0.4	2192.05
V 292.401	505.267	ppb	1.8325	0.4	15012.3
Zn 206.200	675.881	ppb	1.6206	0.2	1271.43

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-d-5-b ms (Samp) 4/3/2013, 12:15:05 AM Rack 1, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	30.2455	30.4415	29.9549
Al 308.215	4782.46	4769.76	4769.19
As 188.980	129.181	125.728	126.078
B 249.678	347.783	349.771	350.651
Ba 389.178	835.138	833.726	831.492
Be 313.042	52.1713	52.1548	52.1655
Ca 370.602	112275	112125	112255
Cd 226.502	51.8413	52.2244	52.6413
Co 228.615	51.9007	52.7950	52.4438
Cr 267.716	100.976	100.703	100.874
Cu 324.754	108.554	109.480	107.100
Fe 271.441	4932.69	4931.98	4944.24
K 766.491	7894.20	7888.81	7910.99
Mg 279.078	47179.3	47049.9	47097.5
Mn 257.610	531.933	532.084	532.385
Mo 202.032	153.066	154.360	154.532
Na 330.237	54470.4	54351.5	54589.6
Ni 231.604	104.566	102.989	105.033
Pb 220.353	47.8992	46.1224	52.6325
Sb 206.834	45.6589	50.8372	51.5341
Se 196.026	93.3670	104.151	95.2326
Sn 189.925	195.520	194.364	192.420
Sr 216.596	790.224	790.081	791.429
Ti 334.941	95.4982	95.5481	95.6592
Tl 190.794	33.9357	36.3391	36.7582
V 292.401	100.098	100.421	100.856
Zn 206.200	1361.21	1353.44	1360.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	30.2140	ppb	0.2448	0.8	2179.81
Al 308.215	4773.80	ppb	7.5006	0.2	24924.7
As 188.980	126.996	ppb	1.9002	1.5	91.6243
B 249.678	349.402	ppb	1.4689	0.4	4222.96
Ba 389.178	833.452	ppb	1.8387	0.2	20386.0
Be 313.042	52.1639	ppb	0.0084	0.0	110456
Ca 370.602	112218	ppb	81.59	0.1	405504
Cd 226.502	52.2357	ppb	0.4001	0.8	2056.38
Co 228.615	52.3799	ppb	0.4506	0.9	633.800
Cr 267.716	100.851	ppb	0.1376	0.1	5003.19
Cu 324.754	108.378	ppb	1.1996	1.1	5121.22
Fe 271.441	4936.31	ppb	6.8800	0.1	9448.82
K 766.491	7898.00	ppb	11.5639	0.1	421317
Mg 279.078	47108.9	ppb	65.4432	0.1	117854
Mn 257.610	532.134	ppb	0.2299	0.0	134306
Mo 202.032	153.986	ppb	0.8016	0.5	1197.53
Na 330.237	54470.5	ppb	119.029	0.2	3219.95
Ni 231.604	104.196	ppb	1.0710	1.0	315.547
Pb 220.353	48.8847	ppb	3.3651	6.9	102.126
Sb 206.834	49.3434	ppb	3.2099	6.5	51.0645
Se 196.026	97.5835	ppb	5.7636	5.9	56.0182
Sn 189.925	194.101	ppb	1.5662	0.8	183.167
Sr 216.596	790.578	ppb	0.7406	0.1	9508.85
Ti 334.941	95.5685	ppb	0.0824	0.1	26546.5
Tl 190.794	35.6776	ppb	1.5231	4.3	38.0808
V 292.401	100.458	ppb	0.3802	0.4	2948.69
Zn 206.200	1358.40	ppb	4.3124	0.3	2553.72

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88799-d-5-c msd (Samp) 4/3/2013, 12:21:30 AM Rack 1, Tube 45**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.0073	18.4062	18.2124
Al 308.215	4754.61	4758.29	4748.50
As 188.980	128.262	128.674	125.516
B 249.678	345.055	346.153	348.130
Ba 389.178	811.476	811.739	810.319
Be 313.042	51.8392	51.9039	51.8833
Ca 370.602	109091	109025	108997
Cd 226.502	51.7241	51.9619	52.4309
Co 228.615	51.9597	52.0978	51.1439
Cr 267.716	100.572	100.060	100.128
Cu 324.754	108.448	107.144	106.825
Fe 271.441	4883.15	4898.72	4907.24
K 766.491	7790.33	7800.00	7808.54
Mg 279.078	45833.5	45816.1	45773.5
Mn 257.610	528.558	529.078	528.919
Mo 202.032	151.738	151.341	150.557
Na 330.237	53195.5	52821.0	52611.1
Ni 231.604	104.319	100.200	103.276
Pb 220.353	47.9922	48.9663	44.6395
Sb 206.834	47.7042	48.2887	50.2487
Se 196.026	88.4872	92.3076	99.3649
Sn 189.925	191.123	191.233	193.422
Sr 216.596	769.998	767.625	768.228
Ti 334.941	95.2093	95.2235	95.0410
Tl 190.794	34.1181	37.2439	37.9789
V 292.401	99.8367	99.4963	100.003
Zn 206.200	1042.77	1043.08	1040.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.5420	ppb	0.4145	2.2	1293.27
Al 308.215	4753.80	ppb	4.9461	0.1	24820.4
As 188.980	127.484	ppb	1.7164	1.3	91.9457
B 249.678	346.446	ppb	1.5584	0.4	4188.13
Ba 389.178	811.178	ppb	0.7557	0.1	19841.0
Be 313.042	51.8755	ppb	0.0330	0.1	109843
Ca 370.602	109038	ppb	48.28	0.0	394003
Cd 226.502	52.0390	ppb	0.3597	0.7	2048.61
Co 228.615	51.7338	ppb	0.5156	1.0	626.071
Cr 267.716	100.253	ppb	0.2781	0.3	4973.51
Cu 324.754	107.472	ppb	0.8599	0.8	5077.68
Fe 271.441	4896.37	ppb	12.2170	0.2	9372.31
K 766.491	7799.63	ppb	9.1094	0.1	416072
Mg 279.078	45807.7	ppb	30.8718	0.1	114599
Mn 257.610	528.852	ppb	0.2664	0.1	133469
Mo 202.032	151.212	ppb	0.6013	0.4	1176.15
Na 330.237	52875.9	ppb	296.036	0.6	3127.77
Ni 231.604	102.598	ppb	2.1417	2.1	310.686
Pb 220.353	47.1994	ppb	2.2698	4.8	98.7334
Sb 206.834	48.7472	ppb	1.3328	2.7	50.5111
Se 196.026	93.3866	ppb	5.5186	5.9	53.7416
Sn 189.925	191.926	ppb	1.2968	0.7	181.103
Sr 216.596	768.617	ppb	1.2334	0.2	9244.80
Ti 334.941	95.1580	ppb	0.1015	0.1	26427.2
Tl 190.794	36.4470	ppb	2.0501	5.6	38.9099
V 292.401	99.7787	ppb	0.2583	0.3	2928.95
Zn 206.200	1041.99	ppb	1.6233	0.2	1059.45

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88806-d-1-a (Samp) 4/3/2013, 12:27:56 AM Rack 1, Tube 46
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1219u	-0.3709u	-0.4004u
Al 308.215	382.205	356.377	403.846
As 188.980	10.2528	2.3917	4.0441
B 249.678	73.5905	69.2200	79.3637
Ba 389.178	-3.5681u	-4.7484u	-3.0621u
Be 313.042	0.0888	0.0923	0.1066
Ca 370.602	51225	48330	53738
Cd 226.502	0.2619	0.2571	0.1363u
Co 228.615	0.1200	0.8017	0.2706
Cr 267.716	-0.4855	-0.3537	-0.1500
Cu 324.754	31.4500	30.2079	33.5671
Fe 271.441	95.9327	85.3983	108.519
K 766.491	64072.7x	60942.4x	66265.3x
Mg 279.078	1588.33	1493.34	1674.84
Mn 257.610	205.214	193.994	215.655
Mo 202.032	6.1986	6.2779	6.5062
Na 330.237	1389295x	1312249x	1448323x
Ni 231.604	255.202	240.828	268.012
Pb 220.353	-1.6989u	-0.1000u	-1.9568u
Sb 206.834	2.1333	0.5727	-1.7313u
Se 196.026	9.8164	-2.3329u	3.7658
Sn 189.925	0.5665	4.1481	-0.4959
Sr 216.596	74.5855	69.8321	78.5809
Ti 334.941	2.0782	1.9077	2.1556
Tl 190.794	1.1989	-3.7682u	1.1366
V 292.401	2.4518	2.2424	2.0758
Zn 206.200	2561.83	2418.17	2705.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2977b	ppb	0.1530	51.4	-107.877
Al 308.215	380.810b	ppb	23.7653	6.2	2069.67
As 188.980	5.5629b	ppb	4.1448	74.5	3.6952
B 249.678	74.0581b	ppb	5.0880	6.9	979.878
Ba 389.178	-3.7929b	ppb	0.8653	22.8	-98.5206
Be 313.042	0.0959b	ppb	0.0094	9.8	-210.638
Ca 370.602	51098b	ppb	2707	5.3	184829
Cd 226.502	0.2184b	ppb	0.0712	32.6	9.1023
Co 228.615	0.3974b	ppb	0.3581	90.1	9.6332
Cr 267.716	-0.3297b	ppb	0.1691	51.3	9.7503
Cu 324.754	31.7417b	ppb	1.6985	5.4	1438.76
Fe 271.441	96.6167b	ppb	11.5756	12.0	185.131
K 766.491	63760.1xb	ppb	2675.20	4.2	3399810
Mg 279.078	1585.50b	ppb	90.7814	5.7	3989.34
Mn 257.610	204.954b	ppb	10.8330	5.3	51647.3
Mo 202.032	6.3275b	ppb	0.1597	2.5	59.9974
Na 330.237	1383289xb	ppb	68235.3	4.9	82313.5
Ni 231.604	254.680b	ppb	13.5992	5.3	773.011
Pb 220.353	-1.2519b	ppb	1.0059	80.3	1.4339
Sb 206.834	0.3249b	ppb	1.9442	598.3	4.4287
Se 196.026	3.7498b	ppb	6.0747	162.0	5.0240
Sn 189.925	1.4063b	ppb	2.4332	173.0	1.0825
Sr 216.596	74.3328b	ppb	4.3798	5.9	900.190
Ti 334.941	2.0471b	ppb	0.1269	6.2	376.262
Tl 190.794	-0.4776b	ppb	2.8499	596.7	0.2368
V 292.401	2.2567b	ppb	0.1884	8.3	50.1824
Zn 206.200	2561.96b	ppb	143.861	5.6	4814.60

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271355/1-a (Samp) **4/3/2013, 12:34:22 AM** **Rack 1, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2572u	-0.3334u	0.3120
Al 308.215	4.2559	8.0956	7.2369
As 188.980	-2.7408u	0.0620	3.5848
B 249.678	1.0055	-0.0815u	-0.1122u
Ba 389.178	-0.2659u	-0.3753u	-0.6920u
Be 313.042	0.0135	0.0140	0.0150
Ca 370.602	87.94	81.99	68.86
Cd 226.502	0.1145	0.1911	-0.1532u
Co 228.615	-0.4115u	-0.6100u	-0.1133u
Cr 267.716	-0.2097u	-0.0292u	0.2894
Cu 324.754	0.6403	0.2199	0.1681
Fe 271.441	2.8886	4.7947	8.9436
K 766.491	71.5897	69.6566	54.1122
Mg 279.078	8.8228	14.7573	8.9828
Mn 257.610	0.2675	0.3678	0.2252
Mo 202.032	-0.1159u	-0.0330u	-0.6672u
Na 330.237	1617.20	1607.82	1229.72
Ni 231.604	0.0859	0.1584	0.9402
Pb 220.353	-1.6709u	-1.3019u	-0.3746u
Sb 206.834	-2.2713u	-5.4785u	-4.6771u
Se 196.026	0.0568	-2.9540u	-5.4516u
Sn 189.925	-0.6771u	-0.9866u	-1.3246u
Sr 216.596	0.0504	1.0627	0.6612
Ti 334.941	0.0327	0.0451	0.0054
Tl 190.794	-3.8770u	1.1534	-1.9238u
V 292.401	0.3401	-0.0099u	0.0215
Zn 206.200	14.2419	16.0508	13.0881

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0929	ppb	0.3527	379.7	-89.6462
Al 308.215	6.5295	ppb	2.0153	30.9	123.111
As 188.980	0.3020	ppb	3.1697	1049.6	-0.5918
B 249.678	0.2706	ppb	0.6366	235.3	109.209
Ba 389.178	-0.4444	ppb	0.2213	49.8	-21.6367
Be 313.042	0.0142	ppb	0.0008	5.7	-217.679
Ca 370.602	79.60	ppb	9.761	12.3	283.8
Cd 226.502	0.0508	ppb	0.1808	355.7	10.4658
Co 228.615	-0.3782	ppb	0.2500	66.1	0.4095
Cr 267.716	0.0168	ppb	0.2527	1502.9	0.4236
Cu 324.754	0.3428	ppb	0.2590	75.6	-68.3560
Fe 271.441	5.5423	ppb	3.0960	55.9	10.8327
K 766.491	65.1195	ppb	9.5814	14.7	3678.83
Mg 279.078	10.8543	ppb	3.3810	31.1	54.5426
Mn 257.610	0.2868	ppb	0.0733	25.5	201.199
Mo 202.032	-0.2720	ppb	0.3448	126.7	9.1436
Na 330.237	1484.91	ppb	221.057	14.9	80.0133
Ni 231.604	0.3948	ppb	0.4737	120.0	-0.2064
Pb 220.353	-1.1158	ppb	0.6679	59.9	1.6746
Sb 206.834	-4.1423	ppb	1.6692	40.3	0.2172
Se 196.026	-2.7829	ppb	2.7582	99.1	1.4264
Sn 189.925	-0.9961	ppb	0.3238	32.5	-1.7828
Sr 216.596	0.5914	ppb	0.5097	86.2	13.7048
Ti 334.941	0.0277	ppb	0.0203	73.4	-82.0153
Tl 190.794	-1.5491	ppb	2.5360	163.7	-0.5821
V 292.401	0.1172	ppb	0.1936	165.2	-0.2548
Zn 206.200	14.4603	ppb	1.4934	10.3	29.9281

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

lcs 680-271355/2-a (Samp) 4/3/2013, 12:40:49 AM Rack 1, Tube 48
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	10.1014	10.8609	10.6826
Al 308.215	205.982	204.196	204.233
As 188.980	21.1722	28.9651	17.8675
B 249.678	99.1799	97.7513	97.9034
Ba 389.178	10.2366	10.9505	10.0772
Be 313.042	4.3877	4.3473	4.3571
Ca 370.602	530.8	530.5	531.9
Cd 226.502	5.9336	5.6135	5.7701
Co 228.615	11.1889	10.6496	11.1432
Cr 267.716	10.8909	10.7466	10.9742
Cu 324.754	21.9896	21.1031	21.4432
Fe 271.441	53.5840	54.4342	57.0108
K 766.491	1122.39	1116.74	1118.23
Mg 279.078	538.006	539.273	529.248
Mn 257.610	11.3095	11.3487	11.4001
Mo 202.032	9.5972	10.4455	10.4121
Na 330.237	1152.86	1010.28	1245.62
Ni 231.604	44.4677	44.8886	44.6977
Pb 220.353	9.2579	7.1064	9.7878
Sb 206.834	20.8472	19.8283	23.5687
Se 196.026	11.8478	19.7561	16.9055
Sn 189.925	52.3101	50.8378	53.8343
Sr 216.596	10.7936	10.8652	11.2566
Ti 334.941	10.1637	10.0843	10.1153
Tl 190.794	21.7113	20.9775	19.8951
V 292.401	10.4318	10.8721	10.7145
Zn 206.200	27.1840	25.4916	32.3306

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5483	ppb	0.3971	3.8	719.158
Al 308.215	204.804	ppb	1.0207	0.5	1155.01
As 188.980	22.6682	ppb	5.6980	25.1	15.5117
B 249.678	98.2782	ppb	0.7846	0.8	1265.58
Ba 389.178	10.4214	ppb	0.4650	4.5	244.072
Be 313.042	4.3640	ppb	0.0211	0.5	9011.37
Ca 370.602	531.1	ppb	0.7470	0.1	1915
Cd 226.502	5.7724	ppb	0.1601	2.8	233.506
Co 228.615	10.9939	ppb	0.2990	2.7	137.444
Cr 267.716	10.8706	ppb	0.1152	1.1	538.484
Cu 324.754	21.5120	ppb	0.4472	2.1	947.820
Fe 271.441	55.0097	ppb	1.7844	3.2	107.590
K 766.491	1119.12	ppb	2.9319	0.3	59876.6
Mg 279.078	535.509	ppb	5.4588	1.0	1366.63
Mn 257.610	11.3528	ppb	0.0454	0.4	2987.24
Mo 202.032	10.1516	ppb	0.4804	4.7	89.4533
Na 330.237	1136.25	ppb	118.546	10.4	59.0328
Ni 231.604	44.6847	ppb	0.2107	0.5	134.468
Pb 220.353	8.7174	ppb	1.4200	16.3	21.4592
Sb 206.834	21.4147	ppb	1.9337	9.0	24.7804
Se 196.026	16.1698	ppb	4.0052	24.8	11.7054
Sn 189.925	52.3274	ppb	1.4983	2.9	48.7466
Sr 216.596	10.9718	ppb	0.2492	2.3	137.185
Ti 334.941	10.1211	ppb	0.0400	0.4	2711.61
Tl 190.794	20.8613	ppb	0.9136	4.4	23.3371
V 292.401	10.6728	ppb	0.2231	2.1	311.200
Zn 206.200	28.3354	ppb	3.5620	12.6	55.9477

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) **4/3/2013, 12:47:14 AM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	491.913	488.624	479.496
Al 308.215	4828.96	4853.04	4788.88
As 188.980	489.483	489.157	480.725
B 249.678	507.803	515.529	509.173
Ba 389.178	4864.45	4889.40	4825.74
Be 313.042	484.135	486.707	481.086
Ca 370.602	4944	4976	4895
Cd 226.502	497.028	499.812	492.411
Co 228.615	503.790	507.869	497.549
Cr 267.716	4825.03	4845.06	4782.58
Cu 324.754	4901.46	4828.12	4848.77
Fe 271.441	5025.10	5038.72	4968.15
K 766.491	9811.97	9876.70	9765.30
Mg 279.078	4934.00	4959.31	4878.57
Mn 257.610	4939.90	4960.98	4894.61
Mo 202.032	496.769	495.810	492.404
Na 330.237	7322.00	7285.51	7333.66
Ni 231.604	2475.02	2484.36	2457.84
Pb 220.353	494.744	492.716	488.924
Sb 206.834	967.119	980.346	967.976
Se 196.026	4967.92	4963.01	4921.01
Sn 189.925	4976.23	5001.57	4948.23
Sr 216.596	2426.73	2430.68	2403.06
Ti 334.941	489.949	491.965	486.625
Tl 190.794	5095.26	5120.09	5055.56
V 292.401	4935.40	4953.26	4896.29
Zn 206.200	2508.95	2500.57	2472.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	486.678	ppb	6.4336	1.3	36864.8	97.33556
Al 308.215	4823.63	ppb	32.4094	0.7	25147.3	96.47253
As 188.980	486.455	ppb	4.9648	1.0	349.252	97.29095
B 249.678	510.835	ppb	4.1224	0.8	6127.61	20.43340Q
Ba 389.178	4859.86	ppb	32.0760	0.7	118154	97.19726
Be 313.042	483.976	ppb	2.8139	0.6	1026538	96.79513
Ca 370.602	4938	ppb	40.76	0.8	17710	98.76853
Cd 226.502	496.417	ppb	3.7382	0.8	19362.1	99.28335
Co 228.615	503.069	ppb	5.1980	1.0	6079.68	100.61384
Cr 267.716	4817.56	ppb	31.9014	0.7	238831	96.35120
Cu 324.754	4859.45	ppb	37.8164	0.8	233105	97.18896
Fe 271.441	5010.66	ppb	37.4382	0.7	9717.69	100.21317
K 766.491	9817.99	ppb	55.9430	0.6	523688	98.17989
Mg 279.078	4923.96	ppb	41.2993	0.8	12250.1	98.47923
Mn 257.610	4931.83	ppb	33.9125	0.7	1239712	98.63661
Mo 202.032	494.994	ppb	2.2939	0.5	3815.93	98.99889
Na 330.237	7313.72	ppb	25.1217	0.3	399.458	97.51630
Ni 231.604	2472.41	ppb	13.4497	0.5	7516.63	98.89630
Pb 220.353	492.128	ppb	2.9542	0.6	995.438	98.42561
Sb 206.834	971.813	ppb	7.4015	0.8	982.025	97.18135
Se 196.026	4950.64	ppb	25.7835	0.5	2688.42	99.01289
Sn 189.925	4975.34	ppb	26.6793	0.5	4713.79	99.50687
Sr 216.596	2420.15	ppb	14.9403	0.6	29010.3	96.80619
Ti 334.941	489.513	ppb	2.6965	0.6	135304	97.90266
Tl 190.794	5090.30	ppb	32.5468	0.6	5431.61	101.80602
V 292.401	4928.32	ppb	29.1392	0.6	146287	98.56638
Zn 206.200	2494.08	ppb	18.9604	0.8	4669.13	99.76338

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 12:53:38 AM Rack 1, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4242	-0.4052u	0.1212
Al 308.215	0.9295	0.1573	0.7885
As 188.980	-3.0282u	1.7681	2.9316
B 249.678	4.9498	5.5174	4.6035
Ba 389.178	0.5254	0.2141	0.3357
Be 313.042	0.0690	0.0833	0.0924
Ca 370.602	6.013	2.034	6.681
Cd 226.502	0.1477	-0.0944u	0.1190
Co 228.615	-0.8086u	-0.5051u	-0.8183u
Cr 267.716	0.5955	1.0393	1.0805
Cu 324.754	0.7659	0.9328	1.9771
Fe 271.441	2.6380	-4.5759u	7.8387
K 766.491	3.0503	4.0205	3.8997
Mg 279.078	-1.6981u	1.8729	1.4992
Mn 257.610	0.4140	0.6593	0.7524
Mo 202.032	0.4406	0.0064	1.1174
Na 330.237	-45.9369u	77.1415	67.4201
Ni 231.604	0.6958	1.0336	0.6109
Pb 220.353	1.8233	1.3552	1.3922
Sb 206.834	-0.6521u	1.4533	-2.7635u
Se 196.026	7.2854	0.7103	-0.9537u
Sn 189.925	0.0888	-0.0167u	-1.2929u
Sr 216.596	0.3323	0.6357	0.9356
Ti 334.941	0.1662	0.1059	0.1979
Tl 190.794	-1.2993u	-0.5252u	-5.4142u
V 292.401	0.6718	0.6165	1.0390
Zn 206.200	3.6621	2.1908	3.9995

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0467	ppb	0.4197	898.7	-79.0618	0.04670
Al 308.215	0.6251	ppb	0.4112	65.8	92.4837	0.62511
As 188.980	0.5572	ppb	3.1590	567.0	-0.4090	0.55716
B 249.678	5.0236	ppb	0.4614	9.2	165.298	5.02356
Ba 389.178	0.3584	ppb	0.1569	43.8	-2.1551	0.35842
Be 313.042	0.0816	ppb	0.0118	14.4	-74.6140	0.08157
Ca 370.602	4.909	ppb	2.513	51.2	14.29	4.90940
Cd 226.502	0.0574	ppb	0.1323	230.3	10.7147	0.05744
Co 228.615	-0.7106	ppb	0.1781	25.1	-3.6168	-0.71065
Cr 267.716	0.9051	ppb	0.2689	29.7	44.4327	0.90508
Cu 324.754	1.2252	ppb	0.6564	53.6	-25.9945	1.22524
Fe 271.441	1.9669	ppb	6.2344	317.0	3.9194	1.96694
K 766.491	3.6568	ppb	0.5287	14.5	401.728	3.65683
Mg 279.078	0.5580	ppb	1.9627	351.7	28.7824	0.55800
Mn 257.610	0.6086	ppb	0.1748	28.7	281.960	0.60857
Mo 202.032	0.5214	ppb	0.5599	107.4	15.2578	0.52144
Na 330.237	32.8749	ppb	68.4259	208.1	-6.3248	32.87489
Ni 231.604	0.7801	ppb	0.2236	28.7	0.9650	0.78010
Pb 220.353	1.5235	ppb	0.2602	17.1	6.9924	1.52353
Sb 206.834	-0.6541	ppb	2.1084	322.3	3.5678	-0.65409
Se 196.026	2.3473	ppb	4.3566	185.6	4.2079	2.34733
Sn 189.925	-0.4069	ppb	0.7691	189.0	-1.2251	-0.40692
Sr 216.596	0.6345	ppb	0.3017	47.5	14.1803	0.63453
Ti 334.941	0.1567	ppb	0.0468	29.9	-46.2949	0.15668
Tl 190.794	-2.4129	ppb	2.6279	108.9	-1.5050	-2.41292
V 292.401	0.7757	ppb	0.2296	29.6	19.1710	0.77575
Zn 206.200	3.2841	ppb	0.9617	29.3	8.9344	3.28414

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271355/3-a (Samp) 4/3/2013, 1:00:02 AM Rack 1, Tube 51
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	20.5009	19.7234	19.4672
Al 308.215	2009.02	2011.66	2008.92
As 188.980	46.4311	43.1699	41.0305
B 249.678	79.7297	80.9820	80.4269
Ba 389.178	43.2583	44.6928	43.3553
Be 313.042	22.1089	22.1135	22.0558
Ca 370.602	2072	2076	2062
Cd 226.502	23.4143	23.2544	22.8803
Co 228.615	22.6572	22.8332	22.7463
Cr 267.716	44.0178	44.0978	44.1609
Cu 324.754	44.6121	42.9730	43.7700
Fe 271.441	2134.84	2138.66	2130.88
K 766.491	2228.96	2217.50	2218.16
Mg 279.078	2124.95	2130.01	2112.68
Mn 257.610	228.613	228.822	227.737
Mo 202.032	41.5475	42.4466	41.8351
Na 330.237	2027.18	2087.86	2061.17
Ni 231.604	42.3373	45.2350	44.0946
Pb 220.353	20.9496	21.5828	17.2792
Sb 206.834	19.6510	19.4567	24.1469
Se 196.026	34.8656	32.4209	28.9830
Sn 189.925	83.2781	86.4506	86.9256
Sr 216.596	43.2750	43.5212	43.5121
Ti 334.941	40.9868	41.1046	41.0411
Tl 190.794	14.2026	14.9079	14.8695
V 292.401	42.6594	42.8620	42.8104
Zn 206.200	52.3554	50.3707	51.2065

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.8972	ppb	0.5383	2.7	1429.67
Al 308.215	2009.87	ppb	1.5575	0.1	10542.6
As 188.980	43.5438	ppb	2.7197	6.2	30.5220
B 249.678	80.3796	ppb	0.6275	0.8	1051.96
Ba 389.178	43.7688	ppb	0.8017	1.8	1062.34
Be 313.042	22.0927	ppb	0.0320	0.1	46628.0
Ca 370.602	2070	ppb	7.374	0.4	7305
Cd 226.502	23.1830	ppb	0.2741	1.2	917.102
Co 228.615	22.7456	ppb	0.0880	0.4	278.893
Cr 267.716	44.0921	ppb	0.0717	0.2	2186.73
Cu 324.754	43.7851	ppb	0.8196	1.9	2017.92
Fe 271.441	2134.79	ppb	3.8906	0.2	4086.44
K 766.491	2221.54	ppb	6.4369	0.3	118656
Mg 279.078	2122.55	ppb	8.9092	0.4	5332.10
Mn 257.610	228.391	ppb	0.5753	0.3	57555.9
Mo 202.032	41.9431	ppb	0.4592	1.1	334.291
Na 330.237	2058.74	ppb	30.4143	1.5	112.744
Ni 231.604	43.8890	ppb	1.4597	3.3	132.099
Pb 220.353	19.9372	ppb	2.3235	11.7	44.0076
Sb 206.834	21.0849	ppb	2.6536	12.6	24.5471
Se 196.026	32.0898	ppb	2.9552	9.2	20.4087
Sn 189.925	85.5514	ppb	1.9830	2.3	80.2306
Sr 216.596	43.4361	ppb	0.1396	0.3	526.956
Ti 334.941	41.0442	ppb	0.0590	0.1	11270.5
Tl 190.794	14.6600	ppb	0.3966	2.7	16.2713
V 292.401	42.7772	ppb	0.1053	0.2	1258.39
Zn 206.200	51.3108	ppb	0.9965	1.9	98.9757

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Ics 680-271355/4-a (Samp) 4/3/2013, 1:06:26 AM Rack 1, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	81.2007	82.0984	80.5595
Al 308.215	794.817	793.790	786.306
As 188.980	90.3848	90.0288	89.4127
B 249.678	155.684	155.932	155.887
Ba 389.178	83.1856	82.9003	82.9806
Be 313.042	85.5436	85.2231	84.9909
Ca 370.602	8232	8216	8186
Cd 226.502	88.3725	88.2470	87.7886
Co 228.615	88.1596	88.0090	87.2395
Cr 267.716	85.8100	85.4526	85.2295
Cu 324.754	85.6740	85.3215	85.6912
Fe 271.441	8617.82	8611.85	8572.16
K 766.491	8715.12	8707.65	8687.82
Mg 279.078	8318.46	8306.42	8274.72
Mn 257.610	888.427	885.775	883.042
Mo 202.032	82.2533	81.9386	82.7148
Na 330.237	7204.80	7262.98	7016.15
Ni 231.604	86.4379	85.1060	85.7893
Pb 220.353	81.6391	83.0909	83.3160
Sb 206.834	66.5563	79.7593	76.0840
Se 196.026	82.9968	76.2366	84.5527
Sn 189.925	83.2022	80.8418	77.9075
Sr 216.596	89.0172	88.9972	87.9893
Ti 334.941	80.4576	80.3223	80.1561
Tl 190.794	16.5545	18.2642	21.4329
V 292.401	83.6592	83.5743	83.4834
Zn 206.200	88.0141	87.2772	86.1840

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	81.2862	ppb	0.7730	1.0	6098.93
Al 308.215	791.637	ppb	4.6457	0.6	4213.45
As 188.980	89.9421	ppb	0.4918	0.5	63.8985
B 249.678	155.834	ppb	0.1318	0.1	1934.71
Ba 389.178	83.0222	ppb	0.1471	0.2	2043.37
Be 313.042	85.2525	ppb	0.2775	0.3	180655
Ca 370.602	8211	ppb	23.50	0.3	28953
Cd 226.502	88.1360	ppb	0.3074	0.3	3464.11
Co 228.615	87.8027	ppb	0.4936	0.6	1062.94
Cr 267.716	85.4974	ppb	0.2928	0.3	4243.27
Cu 324.754	85.5622	ppb	0.2087	0.2	4025.47
Fe 271.441	8600.61	ppb	24.8182	0.3	16461.0
K 766.491	8703.53	ppb	14.1078	0.2	464267
Mg 279.078	8299.87	ppb	22.5972	0.3	20773.3
Mn 257.610	885.748	ppb	2.6924	0.3	222845
Mo 202.032	82.3022	ppb	0.3904	0.5	644.909
Na 330.237	7161.31	ppb	129.033	1.8	413.592
Ni 231.604	85.7777	ppb	0.6661	0.8	259.625
Pb 220.353	82.6820	ppb	0.9102	1.1	170.524
Sb 206.834	74.1332	ppb	6.8142	9.2	75.9963
Se 196.026	81.2620	ppb	4.4212	5.4	47.2875
Sn 189.925	80.6505	ppb	2.6526	3.3	75.5915
Sr 216.596	88.6679	ppb	0.5878	0.7	1071.42
Ti 334.941	80.3120	ppb	0.1510	0.2	22157.6
Tl 190.794	18.7505	ppb	2.4753	13.2	19.3013
V 292.401	83.5723	ppb	0.0879	0.1	2462.13
Zn 206.200	87.1584	ppb	0.9208	1.1	166.150

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-1-a (Samp) 4/3/2013, 1:12:50 AM Rack 1, Tube 53
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5419	0.9732	0.3811u
Al 308.215	7.6733	8.6792	7.8417
As 188.980	26.1720	25.5720	25.1150
B 249.678	62.8962	63.3305	61.6995
Ba 389.178	247.304	246.863	243.252
Be 313.042	0.0309	0.0313	0.0311
Ca 370.602	79764	79848	77987
Cd 226.502	-0.0868	0.0716	0.0225
Co 228.615	0.5052	-0.2214u	-0.0858u
Cr 267.716	0.1950	0.3691	0.2804
Cu 324.754	1.2884	0.7720	0.9131
Fe 271.441	1836.49	1848.83	1805.24
K 766.491	2002.48	2010.65	1974.42
Mg 279.078	37033.4	37067.7	36213.9
Mn 257.610	14.8342	14.7831	14.3591
Mo 202.032	18.5824	18.8106	17.3609
Na 330.237	13047.4	13215.8	12665.3
Ni 231.604	-1.0073u	-1.7188u	-1.2650u
Pb 220.353	0.5886	0.2983	-0.1292u
Sb 206.834	-4.0818u	-3.7353u	-9.3990u
Se 196.026	-0.2508u	-17.9750u	-7.4874u
Sn 189.925	-1.8709u	-0.9852u	1.1000
Sr 216.596	714.599	714.444	696.251
Ti 334.941	-0.3629	-0.3200	-0.3306
Tl 190.794	-1.1009u	0.7251	-5.1394u
V 292.401	-0.3159u	-0.5526u	-0.7054u
Zn 206.200	2.0276	4.4928	3.2325

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6321	ppb	0.3062	48.4	-68.6233
Al 308.215	8.0648	ppb	0.5387	6.7	133.342
As 188.980	25.6197	ppb	0.5301	2.1	18.3875
B 249.678	62.6421	ppb	0.8447	1.3	843.027
Ba 389.178	245.807	ppb	2.2230	0.9	6068.12
Be 313.042	0.0311	ppb	0.0002	0.8	-157.375
Ca 370.602	79200	ppb	1051	1.3	286315
Cd 226.502	0.0024	ppb	0.0811	3312.1	13.5837
Co 228.615	0.0660	ppb	0.3864	585.4	5.0546
Cr 267.716	0.2815	ppb	0.0871	30.9	14.2789
Cu 324.754	0.9912	ppb	0.2669	26.9	-36.2235
Fe 271.441	1830.19	ppb	22.4698	1.2	3499.67
K 766.491	1995.85	ppb	19.0047	1.0	106623
Mg 279.078	36771.6	ppb	483.368	1.3	92007.1
Mn 257.610	14.6588	ppb	0.2608	1.8	4147.13
Mo 202.032	18.2513	ppb	0.7795	4.3	151.806
Na 330.237	12976.2	ppb	282.074	2.2	763.530
Ni 231.604	-1.3304	ppb	0.3602	27.1	-5.4089
Pb 220.353	0.2526	ppb	0.3611	143.0	4.4058
Sb 206.834	-5.7387	ppb	3.1747	55.3	-1.5198
Se 196.026	-8.5710	ppb	8.9116	104.0	-1.6960
Sn 189.925	-0.5853	ppb	1.5253	260.6	-1.3511
Sr 216.596	708.432	ppb	10.5487	1.5	8524.54
Ti 334.941	-0.3378	ppb	0.0223	6.6	-19.1334
Tl 190.794	-1.8384	ppb	3.0010	163.2	-1.0236
V 292.401	-0.5246	ppb	0.1962	37.4	-22.9486
Zn 206.200	3.2510	ppb	1.2327	37.9	8.8745

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-1-aSD^5 (Samp) **4/3/2013, 1:19:15 AM** **Rack 1, Tube 54****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2925	-0.1264u	-0.2769u
Al 308.215	-0.0128	1.8018	-1.7090u
As 188.980	4.1166	4.3253	4.3836
B 249.678	10.8452	10.8578	10.7706
Ba 389.178	51.1967	49.4005	51.2010
Be 313.042	0.0001	-0.0016	-0.0014
Ca 370.602	16554	16503	16441
Cd 226.502	0.0705	0.1754	0.0049
Co 228.615	-0.3742u	-0.3120u	-0.2822u
Cr 267.716	0.3329	0.2039	0.0039
Cu 324.754	0.2093	0.5145	0.4859
Fe 271.441	387.521	383.930	384.800
K 766.491	397.161	397.364	395.871
Mg 279.078	7691.19	7689.52	7659.06
Mn 257.610	2.9011	2.9024	2.9761
Mo 202.032	4.2572	3.4590	3.5292
Na 330.237	2785.55	2739.87	2635.96
Ni 231.604	0.0635	-1.6131u	-0.5073u
Pb 220.353	1.2241	-1.4724u	-0.3923u
Sb 206.834	-5.3227u	-0.1839u	-0.5928u
Se 196.026	-0.1788u	-1.2315u	0.4371
Sn 189.925	-4.5153u	0.6215	-0.9550u
Sr 216.596	151.145	151.210	150.284
Ti 334.941	-0.0835	-0.0966	-0.0580
Tl 190.794	1.6467	-2.1511u	-3.2178u
V 292.401	-0.2320u	0.0015u	-0.2227u
Zn 206.200	0.3777	0.5034	-0.4797u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0369	ppb	0.2951	799.4	-92.6797
Al 308.215	0.0267	ppb	1.7557	6583.1	89.8167
As 188.980	4.2751	ppb	0.1404	3.3	2.4250
B 249.678	10.8245	ppb	0.0472	0.4	233.300
Ba 389.178	50.5994	ppb	1.0383	2.1	1240.81
Be 313.042	-0.0010	ppb	0.0009	98.1	-244.618
Ca 370.602	16500	ppb	56.58	0.3	59645
Cd 226.502	0.0836	ppb	0.0860	102.9	12.7824
Co 228.615	-0.3228	ppb	0.0469	14.5	0.9182
Cr 267.716	0.1802	ppb	0.1658	92.0	8.6556
Cu 324.754	0.4032	ppb	0.1686	41.8	-65.2333
Fe 271.441	385.417	ppb	1.8735	0.5	737.147
K 766.491	396.799	ppb	0.8097	0.2	21363.5
Mg 279.078	7679.92	ppb	18.0884	0.2	19237.8
Mn 257.610	2.9265	ppb	0.0429	1.5	934.298
Mo 202.032	3.7485	ppb	0.4420	11.8	40.1096
Na 330.237	2720.46	ppb	76.6610	2.8	153.555
Ni 231.604	-0.6856	ppb	0.8524	124.3	-3.4828
Pb 220.353	-0.2135	ppb	1.3571	635.6	3.4869
Sb 206.834	-2.0331	ppb	2.8562	140.5	2.1966
Se 196.026	-0.3244	ppb	0.8438	260.1	2.7625
Sn 189.925	-1.6163	ppb	2.6314	162.8	-2.3621
Sr 216.596	150.880	ppb	0.5168	0.3	1820.68
Ti 334.941	-0.0794	ppb	0.0196	24.7	-77.3263
Tl 190.794	-1.2407	ppb	2.5568	206.1	-0.2800
V 292.401	-0.1511	ppb	0.1322	87.5	-9.0562
Zn 206.200	0.1338	ppb	0.5350	209.8	2.0201

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-1-aPDS (Samp) **4/3/2013, 1:25:40 AM** **Rack 1, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.6970	50.8837	48.9116
Al 308.215	1991.66	1992.71	1881.77
As 188.980	2340.73	2322.95	2197.29
B 249.678	1083.61	1094.26	1033.05
Ba 389.178	2410.31	2410.26	2265.09
Be 313.042	53.3790	53.3467	50.2854
Ca 370.602	83316	83410	78523
Cd 226.502	54.6478	55.2764	52.0319
Co 228.615	546.507	547.465	524.801
Cr 267.716	212.692	213.286	201.394
Cu 324.754	268.867	269.611	255.905
Fe 271.441	2811.69	2828.22	2647.22
K 766.491	7991.41	7954.28	7469.33
Mg 279.078	41675.5	41781.6	39307.2
Mn 257.610	569.763	569.273	535.253
Mo 202.032	547.902	551.665	521.858
Na 330.237	18107.1	18096.8	16925.6
Ni 231.604	530.412	534.913	500.631
Pb 220.353	516.970	519.009	487.146
Sb 206.834	508.034	510.530	485.003
Se 196.026	2093.47	2115.14	1969.76
Sn 189.925	1063.80	1065.15	1010.52
Sr 216.596	1230.40	1236.44	1167.56
Ti 334.941	1013.99	1015.10	958.769
Tl 190.794	2167.15	2175.62	2038.25
V 292.401	517.136	516.878	486.516
Zn 206.200	560.066	554.302	531.406

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.1641	ppb	1.0887	2.2	3679.80
Al 308.215	1955.38	ppb	63.7502	3.3	10312.6
As 188.980	2286.99	ppb	78.1884	3.4	1646.33
B 249.678	1070.31	ppb	32.7022	3.1	12731.7
Ba 389.178	2361.89	ppb	83.8302	3.5	57520.8
Be 313.042	52.3370	ppb	1.7768	3.4	110729
Ca 370.602	81750	ppb	2794	3.4	295686
Cd 226.502	53.9854	ppb	1.7207	3.2	2119.31
Co 228.615	539.591	ppb	12.8175	2.4	6519.64
Cr 267.716	209.124	ppb	6.7009	3.2	10368.2
Cu 324.754	264.794	ppb	7.7073	2.9	12634.1
Fe 271.441	2762.38	ppb	100.069	3.6	5378.89
K 766.491	7805.01	ppb	291.295	3.7	416359
Mg 279.078	40921.5	ppb	1398.98	3.4	102377
Mn 257.610	558.096	ppb	19.7842	3.5	140770
Mo 202.032	540.475	ppb	16.2323	3.0	4175.44
Na 330.237	17709.8	ppb	679.182	3.8	1031.16
Ni 231.604	521.985	ppb	18.6298	3.6	1585.87
Pb 220.353	507.708	ppb	17.8365	3.5	1025.33
Sb 206.834	501.189	ppb	14.0727	2.8	481.170
Se 196.026	2059.46	ppb	78.4330	3.8	1119.69
Sn 189.925	1046.49	ppb	31.1577	3.0	990.855
Sr 216.596	1211.47	ppb	38.1389	3.1	14535.8
Ti 334.941	995.952	ppb	32.2060	3.2	275515
Tl 190.794	2127.01	ppb	76.9850	3.6	2271.75
V 292.401	506.843	ppb	17.6045	3.5	14971.9
Zn 206.200	548.591	ppb	15.1596	2.8	1022.34

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-1-b ms (Samp) **4/3/2013, 1:32:15 AM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	18.0036	17.4846	17.8313
Al 308.215	2015.57	2020.75	2016.53
As 188.980	72.7737	74.1275	73.5304
B 249.678	155.613	154.655	152.638
Ba 389.178	289.578	289.798	289.437
Be 313.042	21.8197	21.8180	21.8314
Ca 370.602	81157	81184	81245
Cd 226.502	22.2215	22.2849	22.1468
Co 228.615	22.8619	21.8028	20.8069
Cr 267.716	42.9556	43.0420	43.2071
Cu 324.754	41.5727	42.5017	41.5878
Fe 271.441	3868.66	3868.70	3874.13
K 766.491	4325.68	4330.73	4338.76
Mg 279.078	38850.5	38832.1	38828.8
Mn 257.610	238.288	237.944	237.790
Mo 202.032	60.8078	60.4842	60.3681
Na 330.237	15152.1	14823.1	14862.9
Ni 231.604	39.6457	41.5549	40.8951
Pb 220.353	22.3563	19.6111	20.8187
Sb 206.834	13.7520	15.5864	25.5878
Se 196.026	36.6374	41.3006	47.9399
Sn 189.925	78.8689	82.1338	85.8232
Sr 216.596	748.829	750.444	752.323
Ti 334.941	40.2767	40.3889	40.4675
Tl 190.794	13.0853	12.1345	19.3177
V 292.401	41.0735	41.2737	40.8450
Zn 206.200	47.9941	49.4701	49.1360

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.7732	ppb	0.2643	1.5	1234.27
Al 308.215	2017.61	ppb	2.7559	0.1	10585.2
As 188.980	73.4772	ppb	0.6785	0.9	52.8235
B 249.678	154.302	ppb	1.5187	1.0	1922.17
Ba 389.178	289.604	ppb	0.1821	0.1	7141.67
Be 313.042	21.8230	ppb	0.0073	0.0	46079.9
Ca 370.602	81196	ppb	45.09	0.1	293364
Cd 226.502	22.2177	ppb	0.0691	0.3	884.269
Co 228.615	21.8239	ppb	1.0277	4.7	267.058
Cr 267.716	43.0682	ppb	0.1278	0.3	2136.70
Cu 324.754	41.8874	ppb	0.5321	1.3	1927.84
Fe 271.441	3870.50	ppb	3.1427	0.1	7405.02
K 766.491	4331.72	ppb	6.5944	0.2	231168
Mg 279.078	38837.1	ppb	11.7143	0.0	97169.1
Mn 257.610	238.007	ppb	0.2548	0.1	60305.8
Mo 202.032	60.5533	ppb	0.2279	0.4	477.630
Na 330.237	14946.0	ppb	179.583	1.2	879.323
Ni 231.604	40.6986	ppb	0.9697	2.4	122.439
Pb 220.353	20.9287	ppb	1.3759	6.6	45.9788
Sb 206.834	18.3087	ppb	6.3702	34.8	21.6600
Se 196.026	41.9593	ppb	5.6800	13.5	25.7736
Sn 189.925	82.2753	ppb	3.4793	4.2	77.1692
Sr 216.596	750.532	ppb	1.7483	0.2	9028.80
Ti 334.941	40.3777	ppb	0.0959	0.2	11249.7
Tl 190.794	14.8458	ppb	3.9018	26.3	16.3486
V 292.401	41.0640	ppb	0.2145	0.5	1203.87
Zn 206.200	48.8667	ppb	0.7740	1.6	94.3894

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-1-c msd (Samp) **4/3/2013, 1:38:41 AM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	16.9925	17.2432	17.4370
Al 308.215	2010.57	2001.60	2004.65
As 188.980	71.6906	66.5547	70.3753
B 249.678	146.596	145.020	146.182
Ba 389.178	290.428	289.882	289.588
Be 313.042	21.7926	21.7819	21.7458
Ca 370.602	81524	81405	81441
Cd 226.502	22.1619	22.1901	22.3103
Co 228.615	21.4079	22.0008	22.0845
Cr 267.716	42.8997	42.9629	42.8069
Cu 324.754	43.1524	42.0324	42.1244
Fe 271.441	3877.51	3866.33	3868.94
K 766.491	4326.73	4332.49	4338.38
Mg 279.078	38984.8	38899.2	38953.0
Mn 257.610	237.732	237.244	237.142
Mo 202.032	59.2566	59.3641	58.9074
Na 330.237	15270.3	14924.3	14989.0
Ni 231.604	40.9210	41.9619	41.5543
Pb 220.353	20.7808	21.5421	19.0482
Sb 206.834	17.6350	18.9202	22.1887
Se 196.026	41.1207	31.4507	33.3012
Sn 189.925	85.6726	84.0059	82.0055
Sr 216.596	752.363	750.501	751.818
Ti 334.941	39.9788	39.9461	39.9006
Tl 190.794	16.2358	13.9100	17.7303
V 292.401	40.9406	41.0348	41.3721
Zn 206.200	46.3113	45.6530	44.6828

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.2242	ppb	0.2229	1.3	1192.27
Al 308.215	2005.61	ppb	4.5591	0.2	10522.6
As 188.980	69.5402	ppb	2.6678	3.8	49.9933
B 249.678	145.933	ppb	0.8173	0.6	1823.41
Ba 389.178	289.966	ppb	0.4261	0.1	7150.93
Be 313.042	21.7734	ppb	0.0245	0.1	45974.9
Ca 370.602	81457	ppb	61.02	0.1	294308
Cd 226.502	22.2207	ppb	0.0788	0.4	884.389
Co 228.615	21.8311	ppb	0.3689	1.7	267.174
Cr 267.716	42.8898	ppb	0.0784	0.2	2127.85
Cu 324.754	42.4364	ppb	0.6217	1.5	1954.16
Fe 271.441	3870.93	ppb	5.8468	0.2	7405.91
K 766.491	4332.53	ppb	5.8246	0.1	231212
Mg 279.078	38945.7	ppb	43.2545	0.1	97440.7
Mn 257.610	237.373	ppb	0.3155	0.1	60147.8
Mo 202.032	59.1760	ppb	0.2388	0.4	467.015
Na 330.237	15061.2	ppb	183.941	1.2	886.208
Ni 231.604	41.4790	ppb	0.5245	1.3	124.812
Pb 220.353	20.4570	ppb	1.2781	6.2	45.0301
Sb 206.834	19.5813	ppb	2.3477	12.0	22.8954
Se 196.026	35.2909	ppb	5.1328	14.5	22.1580
Sn 189.925	83.8947	ppb	1.8361	2.2	78.7039
Sr 216.596	751.560	ppb	0.9571	0.1	9041.23
Ti 334.941	39.9418	ppb	0.0393	0.1	11130.0
Tl 190.794	15.9587	ppb	1.9252	12.1	17.5387
V 292.401	41.1158	ppb	0.2269	0.6	1205.66
Zn 206.200	45.5490	ppb	0.8192	1.8	881.588

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-2-a (Samp) 4/3/2013, 1:45:07 AM Rack 1, Tube 58

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.9679	0.5207	0.4352
Al 308.215	3.0561	3.0273	0.3981
As 188.980	12.7030	6.6710	8.7408
B 249.678	36.0355	35.6813	34.6703
Ba 389.178	-0.0585u	-0.4849u	0.5850
Be 313.042	0.0214	0.0184	0.0123
Ca 370.602	64.98	64.96	61.25
Cd 226.502	-0.0487u	0.2076	-0.1416u
Co 228.615	-1.2255u	-0.8180u	0.6841
Cr 267.716	0.5628	0.3982	0.3209
Cu 324.754	0.5197	0.5781	0.7792
Fe 271.441	10.5882	5.6222	6.6836
K 766.491	36.7548	36.8144	36.2798
Mg 279.078	62.5327	59.4467	61.8305
Mn 257.610	0.1818	0.1227	0.1376
Mo 202.032	0.5483	0.3850	0.3798
Na 330.237	3597.33	3532.02	3763.46
Ni 231.604	2.0988	0.8427	-0.0703u
Pb 220.353	-1.5757u	-2.2368u	-0.0967u
Sb 206.834	-1.4204u	-2.9528u	1.3515
Se 196.026	-11.6038u	-1.3602u	-4.3997u
Sn 189.925	1.1188	-3.9119u	3.3037
Sr 216.596	0.8425	0.7218	1.0281
Ti 334.941	0.0750	0.0760	0.1228
Tl 190.794	-1.8759u	-4.2249u	0.9005
V 292.401	0.1456	0.2411	0.1423
Zn 206.200	7.0179	6.0806	6.4439

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6413	ppb	0.2861	44.6	-33.8479
Al 308.215	2.1605	ppb	1.5263	70.6	100.489
As 188.980	9.3716	ppb	3.0651	32.7	5.9376
B 249.678	35.4624	ppb	0.7085	2.0	524.445
Ba 389.178	0.0139	ppb	0.5386	3884.6	-10.3535
Be 313.042	0.0173	ppb	0.0046	26.6	-211.358
Ca 370.602	63.73	ppb	2.145	3.4	226.3
Cd 226.502	0.0058	ppb	0.1809	3128.9	8.7024
Co 228.615	-0.4531	ppb	1.0058	222.0	-0.5181
Cr 267.716	0.4273	ppb	0.1236	28.9	20.8144
Cu 324.754	0.6257	ppb	0.1361	21.8	-54.7601
Fe 271.441	7.6313	ppb	2.6151	34.3	14.8248
K 766.491	36.6163	ppb	0.2930	0.8	2159.08
Mg 279.078	61.2700	ppb	1.6176	2.6	180.655
Mn 257.610	0.1474	ppb	0.0307	20.8	166.586
Mo 202.032	0.4377	ppb	0.0958	21.9	14.6131
Na 330.237	3630.94	ppb	119.326	3.3	207.830
Ni 231.604	0.9571	ppb	1.0890	113.8	1.5033
Pb 220.353	-1.3031	ppb	1.0958	84.1	1.2961
Sb 206.834	-1.0073	ppb	2.1817	216.6	3.2217
Se 196.026	-5.7879	ppb	5.2610	90.9	-0.2029
Sn 189.925	0.1702	ppb	3.7001	2173.9	-0.6767
Sr 216.596	0.8641	ppb	0.1543	17.9	16.9342
Ti 334.941	0.0913	ppb	0.0273	29.9	-64.3810
Tl 190.794	-1.7335	ppb	2.5657	148.0	-0.7792
V 292.401	0.1763	ppb	0.0561	31.8	1.3053
Zn 206.200	6.5141	ppb	0.4725	7.3	15.0028

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-3-a (Samp) 4/3/2013, 1:51:33 AM Rack 1, Tube 59

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3869	0.5569	0.1030
Al 308.215	4.3203	3.3730	4.7523
As 188.980	24.7441	23.8935	27.2046
B 249.678	56.7519	57.1969	56.5479
Ba 389.178	0.6074	1.9691	0.7887
Be 313.042	0.0366	0.0311	0.0392
Ca 370.602	403.2	397.8	399.7
Cd 226.502	0.1284	-0.0141u	-0.2129u
Co 228.615	-0.9038u	-0.1534u	0.7283
Cr 267.716	-0.0063	0.2359	0.1254
Cu 324.754	1.7646	1.7423	2.2697
Fe 271.441	42.6888	53.6861	48.1266
K 766.491	1205.55	1194.89	1194.50
Mg 279.078	903.984	892.076	889.182
Mn 257.610	0.3102	0.3741	0.3317
Mo 202.032	18.2789	17.8002	18.1049
Na 330.237	180766x	178205x	179516x
Ni 231.604	-0.2342u	0.4966	-0.1141u
Pb 220.353	0.6853	-1.3445u	-1.1163u
Sb 206.834	-1.8085u	-2.5728u	-6.0584u
Se 196.026	-8.6499u	-11.3324u	-3.3459u
Sn 189.925	0.4357	-0.9934u	-2.7296u
Sr 216.596	3.3883	4.1233	3.3048
Ti 334.941	0.0490	0.0356u	0.1277
Tl 190.794	-2.4932u	-4.8789u	-0.4411u
V 292.401	0.4080	0.4903	0.4676
Zn 206.200	4.4480	3.6395	3.8181

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3489b	ppb	0.2294	65.7	-56.1929
Al 308.215	4.1486b	ppb	0.7055	17.0	112.933
As 188.980	25.2807b	ppb	1.7196	6.8	17.3889
B 249.678	56.8322b	ppb	0.3319	0.6	776.551
Ba 389.178	1.1218b	ppb	0.7394	65.9	19.0281
Be 313.042	0.0356b	ppb	0.0042	11.7	-198.759
Ca 370.602	400.2b	ppb	2.699	0.7	1440
Cd 226.502	-0.0328b	ppb	0.1714	522.0	6.2712
Co 228.615	-0.1096b	ppb	0.8170	745.2	3.0060
Cr 267.716	0.1183b	ppb	0.1213	102.5	8.7725
Cu 324.754	1.9255b	ppb	0.2983	15.5	8.0997
Fe 271.441	48.1672b	ppb	5.4988	11.4	92.3543
K 766.491	1198.31b	ppb	6.2683	0.5	64099.0
Mg 279.078	895.081b	ppb	7.8450	0.9	2266.33
Mn 257.610	0.3387b	ppb	0.0325	9.6	221.163
Mo 202.032	18.0613b	ppb	0.2423	1.3	150.434
Na 330.237	179496xb	ppb	1280.57	0.7	10676.6
Ni 231.604	0.0494b	ppb	0.3919	792.7	-1.2556
Pb 220.353	-0.5918b	ppb	1.1119	187.9	2.7010
Sb 206.834	-3.4799b	ppb	2.2655	65.1	0.6146
Se 196.026	-7.7760b	ppb	4.0643	52.3	-1.2805
Sn 189.925	-1.0958b	ppb	1.5851	144.7	-1.8043
Sr 216.596	3.6055b	ppb	0.4504	12.5	49.2306
Ti 334.941	0.0708b	ppb	0.0497	70.3	-79.9789
Tl 190.794	-2.6044b	ppb	2.2210	85.3	-1.7199
V 292.401	0.4553b	ppb	0.0425	9.3	4.3685
Zn 206.200	3.9685b	ppb	0.4248	10.7	10.2224

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

190-309-b-4-a (Samp) **4/3/2013, 1:58:00 AM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2683u	-0.3675u	-0.2087u
Al 308.215	3.1443	-0.0086	-1.1397u
As 188.980	24.8226	25.8114	25.6857
B 249.678	55.4360	57.1450	56.6923
Ba 389.178	1.7105	-0.1921u	-0.6347u
Be 313.042	0.0232	0.0161	0.0186
Ca 370.602	113.7	117.4	116.1
Cd 226.502	0.0788	0.0520	0.0583
Co 228.615	0.0658	0.2389	0.2318
Cr 267.716	-0.1125u	-0.2113u	0.1175
Cu 324.754	1.3970	1.8069	1.5244
Fe 271.441	11.1192	8.1604	9.1234
K 766.491	190.237	191.743	192.170
Mg 279.078	43.0453	40.3053	41.9308
Mn 257.610	-0.2229u	-0.1551u	-0.2241u
Mo 202.032	17.4912	17.9002	17.9248
Na 330.237	182706x	183229x	183074x
Ni 231.604	1.2852	1.8365	0.8810
Pb 220.353	-0.3405u	-0.2787u	-0.0316u
Sb 206.834	1.1419	-3.9303u	-3.6199u
Se 196.026	-1.0155u	-1.2907u	-3.9812u
Sn 189.925	-0.3570u	0.2657	-0.3890u
Sr 216.596	1.1247	1.4552	1.6349
Ti 334.941	0.0628	0.0807	0.1019
Tl 190.794	-3.8600u	-1.0674u	-3.6380u
V 292.401	-0.2931u	-0.4123u	-0.0192u
Zn 206.200	-0.0255u	0.0021	0.0165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2815b	ppb	0.0802	28.5	-104.048
Al 308.215	0.6653b	ppb	2.2201	333.7	94.8061
As 188.980	25.4399b	ppb	0.5383	2.1	17.5012
B 249.678	56.4244b	ppb	0.8854	1.6	771.783
Ba 389.178	0.2946b	ppb	1.2460	423.0	-3.4917
Be 313.042	0.0193b	ppb	0.0036	18.6	-233.719
Ca 370.602	115.7b	ppb	1.853	1.6	414.4
Cd 226.502	0.0630b	ppb	0.0140	22.3	9.8751
Co 228.615	0.1788b	ppb	0.0979	54.8	6.4912
Cr 267.716	-0.0688b	ppb	0.1687	245.3	-0.4476
Cu 324.754	1.5761b	ppb	0.2098	13.3	-8.6787
Fe 271.441	9.4677b	ppb	1.5091	15.9	18.3688
K 766.491	191.383b	ppb	1.0151	0.5	10411.1
Mg 279.078	41.7605b	ppb	1.3779	3.3	131.861
Mn 257.610	-0.2007b	ppb	0.0395	19.7	77.8655
Mo 202.032	17.7721b	ppb	0.2436	1.4	148.208
Na 330.237	183003xb	ppb	268.968	0.1	10885.5
Ni 231.604	1.3342b	ppb	0.4796	35.9	2.6502
Pb 220.353	-0.2169b	ppb	0.1634	75.3	3.4567
Sb 206.834	-2.1361b	ppb	2.8430	133.1	1.9063
Se 196.026	-2.0958b	ppb	1.6386	78.2	1.7988
Sn 189.925	-0.1601b	ppb	0.3691	230.5	-0.9164
Sr 216.596	1.4049b	ppb	0.2588	18.4	22.7339
Ti 334.941	0.0818b	ppb	0.0196	23.9	-81.0275
Tl 190.794	-2.8551b	ppb	1.5522	54.4	-1.9847
V 292.401	-0.2415b	ppb	0.2016	83.5	-16.3560
Zn 206.200	-0.0023b	ppb	0.0214	932.8	2.7650

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 2:04:25 AM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	483.582	493.640	481.860
Al 308.215	4828.93	4854.25	4860.71
As 188.980	492.972	496.377	494.240
B 249.678	503.906	509.421	512.285
Ba 389.178	4862.46	4889.05	4903.97
Be 313.042	485.120	487.403	487.962
Ca 370.602	4958	4988	4992
Cd 226.502	497.572	500.242	502.250
Co 228.615	501.114	505.405	506.159
Cr 267.716	4845.47	4867.50	4869.23
Cu 324.754	4892.60	4891.31	4784.14
Fe 271.441	5014.59	5035.50	5051.50
K 766.491	9756.11	9780.34	9844.93
Mg 279.078	4930.00	4953.76	4953.95
Mn 257.610	4943.03	4970.47	4975.51
Mo 202.032	495.886	499.672	501.962
Na 330.237	7501.67	7479.00	7671.12
Ni 231.604	2484.45	2496.49	2499.15
Pb 220.353	488.668	497.584	495.285
Sb 206.834	979.537	980.431	979.387
Se 196.026	4957.27	4955.40	5006.59
Sn 189.925	5057.52	5023.26	4999.92
Sr 216.596	2440.74	2449.82	2449.10
Ti 334.941	491.024	493.801	493.825
Tl 190.794	5073.77	5115.76	5137.83
V 292.401	4918.09	4949.87	4961.15
Zn 206.200	2505.38	2505.85	2520.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	486.361	ppb	6.3624	1.3	36840.6	97.27219
Al 308.215	4847.96	ppb	16.7970	0.3	25273.8	96.95927
As 188.980	494.530	ppb	1.7210	0.3	355.065	98.90596
B 249.678	508.537	ppb	4.2587	0.8	6100.47	20.34149Q
Ba 389.178	4885.16	ppb	21.0269	0.4	118769	97.70327
Be 313.042	486.828	ppb	1.5058	0.3	1032591	97.36570
Ca 370.602	4979	ppb	18.49	0.4	17857	99.58621
Cd 226.502	500.021	ppb	2.3468	0.5	19502.6	100.00427
Co 228.615	504.226	ppb	2.7213	0.5	6093.70	100.84516
Cr 267.716	4860.73	ppb	13.2470	0.3	240972	97.21463
Cu 324.754	4856.02	ppb	62.2493	1.3	232940	97.12034
Fe 271.441	5033.86	ppb	18.5084	0.4	9762.73	100.67728
K 766.491	9793.79	ppb	45.9107	0.5	522398	97.93794
Mg 279.078	4945.90	ppb	13.7715	0.3	12304.5	98.91808
Mn 257.610	4963.00	ppb	17.4795	0.4	1247547	99.26006
Mo 202.032	499.173	ppb	3.0684	0.6	3848.11	99.83470
Na 330.237	7550.60	ppb	104.992	1.4	413.443	100.67463
Ni 231.604	2493.37	ppb	7.8368	0.3	7580.36	99.73462
Pb 220.353	493.846	ppb	4.6292	0.9	998.901	98.76918
Sb 206.834	979.785	ppb	0.5644	0.1	989.943	97.97853
Se 196.026	4973.09	ppb	29.0287	0.6	2700.60	99.46176
Sn 189.925	5026.90	ppb	28.9748	0.6	4762.65	100.53798
Sr 216.596	2446.55	ppb	5.0469	0.2	29327.1	97.86217
Ti 334.941	492.883	ppb	1.6107	0.3	136236	98.57668
Tl 190.794	5109.12	ppb	32.5402	0.6	5451.68	102.18243
V 292.401	4943.03	ppb	22.3283	0.5	146723	98.86069
Zn 206.200	2510.73	ppb	8.8560	0.4	4700.29	100.42905

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 2:10:50 AM Rack 2, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0384u	-0.0312u	0.1812
Al 308.215	0.5762	2.2868	0.8196
As 188.980	3.1929	3.0840	0.4769
B 249.678	5.1176	5.2675	3.9633
Ba 389.178	0.0136	0.5552	1.5831
Be 313.042	0.0616	0.0973	0.1298
Ca 370.602	1.214	-1.309u	3.069
Cd 226.502	0.3185	0.2330	0.2067
Co 228.615	-0.0930u	-0.8371u	-0.3058u
Cr 267.716	0.4216	1.0232	1.0704
Cu 324.754	0.4067	1.0842	2.3020
Fe 271.441	-0.6154u	-0.1278u	-2.1500u
K 766.491	2.9505	4.9230	5.4544
Mg 279.078	-5.0203u	2.5856	1.9144
Mn 257.610	0.3591	0.9096	1.2408
Mo 202.032	-0.0849u	0.4924	0.1260
Na 330.237	132.885	154.048	186.279
Ni 231.604	1.0195	0.8145	2.7225
Pb 220.353	0.8330	-0.5869u	-2.2193u
Sb 206.834	-2.1972u	-1.2239u	-1.0326u
Se 196.026	1.2309	-8.1850u	-3.3911u
Sn 189.925	-2.0682u	1.3445	2.4378
Sr 216.596	1.1243	0.9768	0.8278
Ti 334.941	0.1062	0.1852	0.2619
Tl 190.794	1.9775	-1.8171u	-0.4210u
V 292.401	0.2351	1.4988	1.5362
Zn 206.200	1.4715	2.2637	0.8932

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0372	ppb	0.1248	335.4	-79.7558	0.03720
Al 308.215	1.2275	ppb	0.9254	75.4	95.5854	1.22752
As 188.980	2.2513	ppb	1.5376	68.3	0.8107	2.25126
B 249.678	4.7828	ppb	0.7136	14.9	162.455	4.78280
Ba 389.178	0.7173	ppb	0.7972	111.1	6.5690	0.71731
Be 313.042	0.0962	ppb	0.0341	35.4	-43.5201	0.09622
Ca 370.602	0.9915	ppb	2.198	221.6	-0.0512	0.99147
Cd 226.502	0.2527	ppb	0.0585	23.1	18.3279	0.25273
Co 228.615	-0.4120	ppb	0.3832	93.0	-0.0067	-0.41196
Cr 267.716	0.8384	ppb	0.3617	43.1	41.1250	0.83838
Cu 324.754	1.2643	ppb	0.9604	76.0	-24.1276	1.26430
Fe 271.441	-0.9644	ppb	1.0553	109.4	-1.5742	-0.96441
K 766.491	4.4426	ppb	1.3193	29.7	443.624	4.44261
Mg 279.078	-0.1734	ppb	4.2109	2427.9	26.9485	-0.17344
Mn 257.610	0.8365	ppb	0.4453	53.2	339.246	0.83651
Mo 202.032	0.1778	ppb	0.2921	164.3	12.6089	0.17783
Na 330.237	157.737	ppb	26.8875	17.0	1.1231	157.73709
Ni 231.604	1.5188	ppb	1.0474	69.0	3.2113	1.51884
Pb 220.353	-0.6577	ppb	1.5274	232.2	2.5971	-0.65773
Sb 206.834	-1.4846	ppb	0.6245	42.1	2.7721	-1.48457
Se 196.026	-3.4484	ppb	4.7082	136.5	1.0657	-3.44843
Sn 189.925	0.5714	ppb	2.3504	411.4	-0.2980	0.57136
Sr 216.596	0.9763	ppb	0.1483	15.2	18.2677	0.97629
Ti 334.941	0.1844	ppb	0.0779	42.2	-38.6288	0.18444
Tl 190.794	-0.0869	ppb	1.9192	2209.5	0.9791	-0.08686
V 292.401	1.0900	ppb	0.7406	67.9	28.5755	1.09003
Zn 206.200	1.5428	ppb	0.6881	44.6	5.6640	1.54279

190-309-b-5-a (Samp) **4/3/2013, 2:17:15 AM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0775	-0.2212u	0.0449
Al 308.215	0.6273	1.2337	3.0969
As 188.980	28.0125	26.7747	26.8880
B 249.678	60.0866	60.6153	63.3376
Ba 389.178	1.4664	0.3568	0.2118
Be 313.042	0.0559	0.0530	0.0649
Ca 370.602	183.4	189.9	194.7
Cd 226.502	-0.2040u	-0.0253u	0.0855
Co 228.615	-0.1654u	-0.5779u	-0.4968u
Cr 267.716	0.2275	0.3598	0.2876
Cu 324.754	1.0260	1.2986	1.4500
Fe 271.441	7.0803	14.4376	4.2234
K 766.491	306.279	311.548	317.377
Mg 279.078	75.0896	78.6555	85.3359
Mn 257.610	0.3570	0.4193	0.3950
Mo 202.032	18.4792	18.6446	19.1589
Na 330.237	185761x	186958x	191129x
Ni 231.604	2.0480	0.1317	0.5500
Pb 220.353	-0.8203u	-1.1364u	-0.7002u
Sb 206.834	-6.1616u	-2.5963u	0.5472
Se 196.026	-1.1671u	-1.4628u	-8.9434u
Sn 189.925	3.2946	-1.4596u	2.5565
Sr 216.596	1.8978	1.6418	2.2314
Ti 334.941	0.0440u	0.0717	0.0582
Tl 190.794	-2.1125u	-4.1353u	-0.8864u
V 292.401	1.1381	1.1021	0.6108
Zn 206.200	2.6048	2.6283	3.6927

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0329b	ppb	0.1639	497.6	-85.1638
Al 308.215	1.6526b	ppb	1.2870	77.9	100.027
As 188.980	27.2251b	ppb	0.6843	2.5	18.7869
B 249.678	61.3465b	ppb	1.7445	2.8	829.863
Ba 389.178	0.6783b	ppb	0.6863	101.2	5.9443
Be 313.042	0.0579b	ppb	0.0062	10.7	-152.631
Ca 370.602	189.4b	ppb	5.661	3.0	680.9
Cd 226.502	-0.0479b	ppb	0.1461	304.7	5.5177
Co 228.615	-0.4133b	ppb	0.2185	52.9	-0.6796
Cr 267.716	0.2916b	ppb	0.0663	22.7	17.5059
Cu 324.754	1.2582b	ppb	0.2149	17.1	-23.9263
Fe 271.441	8.5804b	ppb	5.2698	61.4	16.6345
K 766.491	311.735b	ppb	5.5514	1.8	16828.0
Mg 279.078	79.6937b	ppb	5.2014	6.5	226.735
Mn 257.610	0.3904b	ppb	0.0314	8.0	226.730
Mo 202.032	18.7609b	ppb	0.3545	1.9	155.826
Na 330.237	187949xb	ppb	2818.18	1.5	11179.9
Ni 231.604	0.9099b	ppb	1.0076	110.7	1.3599
Pb 220.353	-0.8856b	ppb	0.2253	25.4	2.1079
Sb 206.834	-2.7369b	ppb	3.3566	122.6	1.3212
Se 196.026	-3.8578b	ppb	4.4067	114.2	0.8436
Sn 189.925	1.4638b	ppb	2.5585	174.8	0.6245
Sr 216.596	1.9237b	ppb	0.2956	15.4	28.9519
Ti 334.941	0.0580b	ppb	0.0138	23.9	-87.8310
Tl 190.794	-2.3781b	ppb	1.6406	69.0	-1.4761
V 292.401	0.9503b	ppb	0.2946	31.0	18.8713
Zn 206.200	2.9753b	ppb	0.6214	20.9	8.3562

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271200/1-a (Samp) **4/3/2013, 2:23:40 AM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0638	-0.0725u	-1.4051u
Al 308.215	0.4064	1.4509	-1.6736u
As 188.980	-2.4502u	-0.0187u	-0.9956u
B 249.678	-0.0367u	-0.7653u	-1.3087u
Ba 389.178	-0.0557u	-0.3048u	-0.2123u
Be 313.042	-0.0003u	-0.0019u	-0.0016u
Ca 370.602	12.37	12.18	11.45
Cd 226.502	0.0443	-0.0614u	0.1318
Co 228.615	-0.1985u	-0.5224u	0.3904
Cr 267.716	-0.0605u	0.0789	-0.2136u
Cu 324.754	0.4707	0.9459	0.5776
Fe 271.441	5.3201	-6.1042u	3.3592
K 766.491	1.6717	1.2395	1.4380
Mg 279.078	2.1129	-1.1473u	1.3557
Mn 257.610	-0.2608u	-0.2976u	-0.2638u
Mo 202.032	-0.0155u	-0.5714u	0.4514
Na 330.237	148.998	212.349	162.320
Ni 231.604	0.1728	0.0818	0.7051
Pb 220.353	-0.7726u	-1.0893u	0.6832
Sb 206.834	-4.5242u	-2.4673u	-4.7433u
Se 196.026	-2.3893u	-7.0347u	-5.4387u
Sn 189.925	0.1993	2.6000	2.8643
Sr 216.596	0.0894	0.0891	0.7116
Ti 334.941	0.0318	-0.0450u	0.0376
Tl 190.794	-1.9701u	-0.5008u	-6.4185u
V 292.401	-0.3073u	-0.0256u	0.3781
Zn 206.200	0.8336	1.0878	1.2071

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4713	ppb	0.8116	172.2	-118.421
Al 308.215	0.0612	ppb	1.5906	2599.0	89.4987
As 188.980	-1.1548	ppb	1.2235	105.9	-1.6413
B 249.678	-0.7036	ppb	0.6382	90.7	97.7202
Ba 389.178	-0.1909	ppb	0.1259	66.0	-15.5112
Be 313.042	-0.0013	ppb	0.0009	69.3	-250.276
Ca 370.602	12.00	ppb	0.4862	4.1	39.74
Cd 226.502	0.0383	ppb	0.0967	252.9	9.9707
Co 228.615	-0.1102	ppb	0.4628	420.1	3.6371
Cr 267.716	-0.0651	ppb	0.1463	224.8	-3.6627
Cu 324.754	0.6647	ppb	0.2493	37.5	-52.9015
Fe 271.441	0.8584	ppb	6.1090	711.7	1.8882
K 766.491	1.4498	ppb	0.2163	14.9	284.050
Mg 279.078	0.7738	ppb	1.7062	220.5	29.3384
Mn 257.610	-0.2740	ppb	0.0204	7.4	60.1328
Mo 202.032	-0.0452	ppb	0.5121	1134.1	10.8926
Na 330.237	174.555	ppb	33.4011	19.1	2.1246
Ni 231.604	0.3199	ppb	0.3367	105.2	-0.4344
Pb 220.353	-0.3929	ppb	0.9453	240.6	3.1311
Sb 206.834	-3.9116	ppb	1.2556	32.1	0.4358
Se 196.026	-4.9543	ppb	2.3603	47.6	0.2489
Sn 189.925	1.8879	ppb	1.4683	77.8	0.9495
Sr 216.596	0.2967	ppb	0.3593	121.1	10.1425
Ti 334.941	0.0081	ppb	0.0461	566.6	-87.3818
Tl 190.794	-2.9631	ppb	3.0813	104.0	-2.0911
V 292.401	0.0151	ppb	0.3445	2288.1	-3.2992
Zn 206.200	1.0429	ppb	0.1998	18.3	4.7283

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271200/2-a (Samp) 4/3/2013, 2:30:04 AM Rack 2, Tube 5
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	18.6177	20.3038	19.6672
Al 308.215	4640.67	4636.53	4659.12
As 188.980	104.395	97.5060	104.092
B 249.678	184.084	184.889	186.643
Ba 389.178	102.844	101.396	101.024
Be 313.042	51.5246	51.5023	51.7645
Ca 370.602	4848	4839	4864
Cd 226.502	53.1073	52.9298	52.8901
Co 228.615	51.6223	52.6418	53.6933
Cr 267.716	102.166	101.815	102.189
Cu 324.754	104.035	102.155	101.759
Fe 271.441	4913.30	4911.99	4932.47
K 766.491	4983.07	4993.71	5015.31
Mg 279.078	4856.95	4836.15	4860.55
Mn 257.610	530.042	529.863	531.966
Mo 202.032	100.508	100.612	100.351
Na 330.237	4695.61	4611.43	4584.59
Ni 231.604	101.483	101.290	102.828
Pb 220.353	47.6488	46.1850	49.8103
Sb 206.834	49.5882	41.0211	44.5486
Se 196.026	99.2854	104.913	96.4087
Sn 189.925	195.850	196.859	194.791
Sr 216.596	100.492	100.098	100.622
Ti 334.941	96.3361	96.1219	96.8459
Tl 190.794	32.9694	40.6288	34.6704
V 292.401	99.7540	99.7412	100.423
Zn 206.200	103.962	104.014	102.106

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.5296	ppb	0.8514	4.4	1400.77
Al 308.215	4645.44	ppb	12.0231	0.3	24250.8
As 188.980	101.998	ppb	3.8930	3.8	72.5831
B 249.678	185.205	ppb	1.3086	0.7	2285.59
Ba 389.178	101.755	ppb	0.9619	0.9	2483.88
Be 313.042	51.5971	ppb	0.1454	0.3	109229
Ca 370.602	4850	ppb	12.79	0.3	17129
Cd 226.502	52.9757	ppb	0.1157	0.2	2084.86
Co 228.615	52.6525	ppb	1.0356	2.0	639.009
Cr 267.716	102.057	ppb	0.2097	0.2	5062.03
Cu 324.754	102.650	ppb	1.2158	1.2	4844.83
Fe 271.441	4919.25	ppb	11.4620	0.2	9416.28
K 766.491	4997.36	ppb	16.4259	0.3	266659
Mg 279.078	4851.22	ppb	13.1722	0.3	12151.5
Mn 257.610	530.623	ppb	1.1658	0.2	133549
Mo 202.032	100.490	ppb	0.1316	0.1	785.245
Na 330.237	4630.54	ppb	57.9268	1.3	263.928
Ni 231.604	101.867	ppb	0.8376	0.8	308.461
Pb 220.353	47.8814	ppb	1.8238	3.8	100.193
Sb 206.834	45.0527	ppb	4.3057	9.6	47.6581
Se 196.026	100.202	ppb	4.3258	4.3	57.4368
Sn 189.925	195.833	ppb	1.0344	0.5	184.736
Sr 216.596	100.404	ppb	0.2730	0.3	1209.28
Ti 334.941	96.4346	ppb	0.3719	0.4	26600.8
Tl 190.794	36.0895	ppb	4.0221	11.1	38.5552
V 292.401	99.9729	ppb	0.3903	0.4	2945.65
Zn 206.200	103.361	ppb	1.0870	1.1	106.520

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271200/3-a (Samp) 4/3/2013, 2:36:29 AM Rack 2, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	194.781	195.297	194.242
Al 308.215	1847.38	1841.79	1831.82
As 188.980	212.413	208.941	212.595
B 249.678	367.704	371.094	373.538
Ba 389.178	195.835	195.966	196.124
Be 313.042	203.195	202.849	202.384
Ca 370.602	19178	19141	19119
Cd 226.502	203.500	204.065	204.253
Co 228.615	203.416	204.293	206.811
Cr 267.716	199.903	199.335	199.367
Cu 324.754	203.240	204.232	203.803
Fe 271.441	20074.5	20125.7	20142.4
K 766.491	18960.2	18975.7	18956.6
Mg 279.078	19293.2	19278.4	19297.1
Mn 257.610	2089.11	2089.83	2091.75
Mo 202.032	196.874	196.167	197.075
Na 330.237	16485.3	16330.0	16548.3
Ni 231.604	197.845	199.821	200.721
Pb 220.353	190.567	192.160	191.494
Sb 206.834	180.020	184.223	183.119
Se 196.026	190.244	193.454	193.221
Sn 189.925	192.101	192.542	191.433
Sr 216.596	205.453	205.985	204.608
Ti 334.941	190.684	189.898	189.366
Tl 190.794	44.2827	38.0618	39.5204
V 292.401	194.678	194.187	195.471
Zn 206.200	192.120	191.490	192.164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	194.773	ppb	0.5279	0.3	14729.3
Al 308.215	1840.33	ppb	7.8779	0.4	9677.58
As 188.980	211.317	ppb	2.0593	1.0	151.220
B 249.678	370.779	ppb	2.9299	0.8	4457.51
Ba 389.178	195.975	ppb	0.1443	0.1	4837.08
Be 313.042	202.809	ppb	0.4071	0.2	430107
Ca 370.602	19146	ppb	29.70	0.2	67517
Cd 226.502	203.939	ppb	0.3920	0.2	8004.93
Co 228.615	204.840	ppb	1.7623	0.9	2473.09
Cr 267.716	199.535	ppb	0.3189	0.2	9903.72
Cu 324.754	203.759	ppb	0.4974	0.2	9703.39
Fe 271.441	20114.2	ppb	35.3889	0.2	38496.4
K 766.491	18964.2	ppb	10.1471	0.1	1011351
Mg 279.078	19289.6	ppb	9.8572	0.1	48242.0
Mn 257.610	2090.23	ppb	1.3646	0.1	525701
Mo 202.032	196.705	ppb	0.4767	0.2	1525.77
Na 330.237	16454.5	ppb	112.345	0.7	960.931
Ni 231.604	199.462	ppb	1.4712	0.7	605.583
Pb 220.353	191.407	ppb	0.7998	0.4	389.596
Sb 206.834	182.454	ppb	2.1789	1.2	180.805
Se 196.026	192.306	ppb	1.7897	0.9	107.890
Sn 189.925	192.025	ppb	0.5581	0.3	181.139
Sr 216.596	205.349	ppb	0.6942	0.3	2472.47
Ti 334.941	189.982	ppb	0.6632	0.3	52535.9
Tl 190.794	40.6217	ppb	3.2534	8.0	40.2298
V 292.401	194.779	ppb	0.6475	0.3	5742.34
Zn 206.200	191.925	ppb	0.3773	0.2	362.494

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-1-a (Samp) **4/3/2013, 2:42:54 AM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3898u	0.1284	0.0521
Al 308.215	1040.75	1050.43	1049.53
As 188.980	4.1304	6.1904	5.4764
B 249.678	471.332	473.826	474.882
Ba 389.178	18.6777	18.9974	19.8772
Be 313.042	0.0484	0.0484	0.0660
Ca 370.602	6709	6721	6717
Cd 226.502	0.0292	0.2092	0.1227
Co 228.615	5.9033	6.1386	6.3871
Cr 267.716	6.0921	6.2622	6.0157
Cu 324.754	17.5728	16.8665	16.4824
Fe 271.441	1069.40	1075.83	1076.58
K 766.491	1546.27	1541.32	1540.85
Mg 279.078	2281.12	2286.63	2281.80
Mn 257.610	1261.46	1261.31	1259.56
Mo 202.032	15.5880	15.6353	15.3407
Na 330.237	191214x	191898x	191804x
Ni 231.604	16.7797	15.0910	16.4385
Pb 220.353	-2.2101u	-0.0787	-2.7467u
Sb 206.834	-1.9788u	-6.0927u	0.6645
Se 196.026	-2.0705u	-3.1376u	-8.5979u
Sn 189.925	-1.0055u	-4.0100u	-3.2468u
Sr 216.596	28.7638	28.4627	29.4887
Ti 334.941	11.1491	11.1972	11.1917
Tl 190.794	-1.3994u	0.1937u	-3.6744u
V 292.401	11.2220	11.4334	11.2197
Zn 206.200	2.0280	4.8466	5.0529

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0697b	ppb	0.2798	401.2	-83.3998
Al 308.215	1046.90b	ppb	5.3445	0.5	5533.61
As 188.980	5.2657b	ppb	1.0460	19.9	3.0298
B 249.678	473.347b	ppb	1.8231	0.4	5689.93
Ba 389.178	19.1841b	ppb	0.6212	3.2	463.400
Be 313.042	0.0543b	ppb	0.0102	18.7	-158.689
Ca 370.602	6715b	ppb	6.279	0.1	24232
Cd 226.502	0.1204b	ppb	0.0900	74.8	14.7597
Co 228.615	6.1430b	ppb	0.2419	3.9	78.7796
Cr 267.716	6.1233b	ppb	0.1262	2.1	312.486
Cu 324.754	16.9739b	ppb	0.5531	3.3	730.445
Fe 271.441	1073.94b	ppb	3.9469	0.4	2054.82
K 766.491	1542.81b	ppb	3.0007	0.2	82467.3
Mg 279.078	2283.18b	ppb	3.0060	0.1	5714.56
Mn 257.610	1260.78b	ppb	1.0598	0.1	317024
Mo 202.032	15.5213b	ppb	0.1582	1.0	130.782
Na 330.237	191639xb	ppb	370.913	0.2	11399.0
Ni 231.604	16.1031b	ppb	0.8929	5.5	47.5839
Pb 220.353	-1.6785b	ppb	1.4112	84.1	0.8099
Sb 206.834	-2.4690b	ppb	3.4052	137.9	1.6982
Se 196.026	-4.6020b	ppb	3.5014	76.1	0.7861
Sn 189.925	-2.7541b	ppb	1.5617	56.7	-3.3678
Sr 216.596	28.9051b	ppb	0.5274	1.8	354.064
Ti 334.941	11.1793b	ppb	0.0263	0.2	2997.42
Tl 190.794	-1.6267b	ppb	1.9440	119.5	-2.6800
V 292.401	11.2917b	ppb	0.1227	1.1	327.164
Zn 206.200	3.9758b	ppb	1.6900	42.5	102131

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-1-b ms (Samp) 4/3/2013, 2:49:19 AM Rack 2, Tube 8**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	18.9520	19.3954	19.3647
Al 308.215	5926.56	5945.20	5931.98
As 188.980	114.632	118.239	118.582
B 249.678	683.707	692.147	687.442
Ba 389.178	122.560	123.974	122.570
Be 313.042	53.0815	53.2906	53.0709
Ca 370.602	12044	12114	12054
Cd 226.502	54.2724	54.2786	54.1902
Co 228.615	60.0711	60.5440	60.6873
Cr 267.716	109.826	109.745	109.700
Cu 324.754	122.080	123.213	122.441
Fe 271.441	6099.17	6126.94	6100.01
K 766.491	7567.97	7622.18	7584.90
Mg 279.078	7337.77	7367.17	7321.80
Mn 257.610	1869.92	1880.86	1870.23
Mo 202.032	117.318	119.052	118.288
Na 330.237	210245x	210626x	209625x
Ni 231.604	120.489	122.252	120.087
Pb 220.353	49.6229	49.8389	49.5811
Sb 206.834	43.7722	44.6776	47.6905
Se 196.026	105.408	100.489	89.8008
Sn 189.925	197.026	199.619	198.561
Sr 216.596	132.944	133.166	132.885
Ti 334.941	108.341	108.660	108.543
Tl 190.794	39.9743	42.5229	44.5538
V 292.401	113.139	114.058	113.427
Zn 206.200	113.003	113.187	110.335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.2374b	ppb	0.2476	1.3	1383.25
Al 308.215	5934.58b	ppb	9.5891	0.2	30954.8
As 188.980	117.151b	ppb	2.1880	1.9	83.5437
B 249.678	687.765b	ppb	4.2295	0.6	8214.05
Ba 389.178	123.035b	ppb	0.8133	0.7	3009.88
Be 313.042	53.1477b	ppb	0.1239	0.2	112491
Ca 370.602	12071b	ppb	37.73	0.3	43183
Cd 226.502	54.2471b	ppb	0.0494	0.1	2136.24
Co 228.615	60.4341b	ppb	0.3224	0.5	732.522
Cr 267.716	109.757b	ppb	0.0636	0.1	5453.75
Cu 324.754	122.578b	ppb	0.5786	0.5	5801.95
Fe 271.441	6108.71b	ppb	15.7983	0.3	11692.0
K 766.491	7591.68b	ppb	27.7326	0.4	404985
Mg 279.078	7342.25b	ppb	23.0181	0.3	18356.9
Mn 257.610	1873.67b	ppb	6.2303	0.3	471124
Mo 202.032	118.219b	ppb	0.8693	0.7	921.791
Na 330.237	210165xb	ppb	505.150	0.2	12498.3
Ni 231.604	120.942b	ppb	1.1517	1.0	366.494
Pb 220.353	49.6810b	ppb	0.1383	0.3	104.100
Sb 206.834	45.3801b	ppb	2.0514	4.5	47.8531
Se 196.026	98.5659b	ppb	7.9795	8.1	56.9187
Sn 189.925	198.402b	ppb	1.3037	0.7	187.258
Sr 216.596	132.998b	ppb	0.1483	0.1	1601.05
Ti 334.941	108.514b	ppb	0.1614	0.1	29936.7
Tl 190.794	42.3503b	ppb	2.2946	5.4	43.0910
V 292.401	113.542b	ppb	0.4701	0.4	3343.68
Zn 206.200	112.175b	ppb	1.5960	1.4	213.046

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-1-c msd (Samp) **4/3/2013, 2:55:45 AM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	21.6436	21.4467	21.3309
Al 308.215	6004.28	6002.48	5979.74
As 188.980	117.276	118.217	118.243
B 249.678	687.595	688.429	687.294
Ba 389.178	124.580	125.225	124.994
Be 313.042	53.6868	53.6790	53.4300
Ca 370.602	12073	12054	11967
Cd 226.502	55.1295	54.9773	54.6097
Co 228.615	61.3226	61.1808	60.5387
Cr 267.716	111.180	110.675	110.336
Cu 324.754	123.339	123.544	123.770
Fe 271.441	6176.50	6170.89	6151.27
K 766.491	7640.81	7645.75	7622.38
Mg 279.078	7367.80	7371.86	7346.70
Mn 257.610	1873.46	1869.44	1862.33
Mo 202.032	120.253	119.835	118.453
Na 330.237	208644x	208684x	207896x
Ni 231.604	121.067	122.677	119.693
Pb 220.353	53.3048	48.3023	47.9256
Sb 206.834	41.7388	44.4292	47.6096
Se 196.026	94.5209	97.0955	101.825
Sn 189.925	203.994	198.901	199.511
Sr 216.596	133.690	133.650	132.525
Ti 334.941	109.910	109.932	109.149
Tl 190.794	40.8101	41.2560	40.7401
V 292.401	114.034	114.008	113.860
Zn 206.200	113.031	111.956	112.207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.4737b	ppb	0.1581	0.7	1553.23
Al 308.215	5995.50b	ppb	13.6781	0.2	31271.7
As 188.980	117.912b	ppb	0.5507	0.5	84.0905
B 249.678	687.773b	ppb	0.5878	0.1	8214.08
Ba 389.178	124.933b	ppb	0.3269	0.3	3056.15
Be 313.042	53.5986b	ppb	0.1461	0.3	113448
Ca 370.602	12031b	ppb	56.79	0.5	43036
Cd 226.502	54.9055b	ppb	0.2673	0.5	2162.01
Co 228.615	61.0140b	ppb	0.4177	0.7	739.504
Cr 267.716	110.730b	ppb	0.4249	0.4	5501.95
Cu 324.754	123.551b	ppb	0.2156	0.2	5848.70
Fe 271.441	6166.22b	ppb	13.2491	0.2	11802.0
K 766.491	7636.32b	ppb	12.3176	0.2	407365
Mg 279.078	7362.12b	ppb	13.5043	0.2	18406.8
Mn 257.610	1868.41b	ppb	5.6381	0.3	469802
Mo 202.032	119.514b	ppb	0.9419	0.8	931.762
Na 330.237	208408xb	ppb	443.921	0.2	12393.7
Ni 231.604	121.146b	ppb	1.4936	1.2	367.113
Pb 220.353	49.8443b	ppb	3.0028	6.0	104.422
Sb 206.834	44.5925b	ppb	2.9388	6.6	47.0897
Se 196.026	97.8139b	ppb	3.7048	3.8	56.5088
Sn 189.925	200.802b	ppb	2.7815	1.4	189.531
Sr 216.596	133.288b	ppb	0.6617	0.5	1604.46
Ti 334.941	109.664b	ppb	0.4459	0.4	30254.8
Tl 190.794	40.9354b	ppb	0.2799	0.7	41.5910
V 292.401	113.967b	ppb	0.0937	0.1	3355.99
Zn 206.200	112.398b	ppb	0.5626	0.5	412.460

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-e-2-a (Samp) 4/3/2013, 3:02:11 AM Rack 2, Tube 10

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6532u	-0.3818u	-0.5730u
Al 308.215	33.2516	31.7126	31.5933
As 188.980	17.3320	18.8701	19.9921
B 249.678	187.755	188.477	187.200
Ba 389.178	85.3503	86.0870	82.7500
Be 313.042	0.0830	0.0887	0.0874
Ca 370.602	37520	37456	37462
Cd 226.502	0.1027	-0.1122u	0.0098u
Co 228.615	2.8916	3.1457	2.7021
Cr 267.716	20.2591	20.0795	19.8002
Cu 324.754	2.1789	2.5029	2.5379
Fe 271.441	2676.22	2674.89	2681.75
K 766.491	13991.4	13986.0	13907.5
Mg 279.078	11826.1	11822.3	11841.7
Mn 257.610	4201.63	4194.17	4199.09
Mo 202.032	7.9185	8.5069	7.8498
Na 330.237	1297905x	1312612x	1299639x
Ni 231.604	105.131	105.029	106.888
Pb 220.353	0.2068	-2.1392u	0.3015
Sb 206.834	-3.3704u	-5.0005u	-3.2084u
Se 196.026	3.8232	-3.7550u	-8.7998u
Sn 189.925	-3.4685u	-2.0627u	-3.5338u
Sr 216.596	85.4606	85.6135	85.4453
Ti 334.941	5.8237	5.8214	5.8257
Tl 190.794	13.3744	7.8689	8.6003
V 292.401	55.3339	55.3777	54.9443
Zn 206.200	1.7682	1.0599	0.4398

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5360b	ppb	0.1395	26.0	-108.028
Al 308.215	32.1858b	ppb	0.9249	2.9	256.621
As 188.980	18.7314b	ppb	1.3354	7.1	13.0097
B 249.678	187.811b	ppb	0.6402	0.3	2318.97
Ba 389.178	84.7291b	ppb	1.7531	2.1	2085.33
Be 313.042	0.0864b	ppb	0.0030	3.4	-227.358
Ca 370.602	37479b	ppb	35.30	0.1	135459
Cd 226.502	0.0001b	ppb	0.1078	115169.6	7.6843
Co 228.615	2.9131b	ppb	0.2226	7.6	39.9421
Cr 267.716	20.0463b	ppb	0.2312	1.2	1036.34
Cu 324.754	2.4066b	ppb	0.1979	8.2	31.1390
Fe 271.441	2677.62b	ppb	3.6388	0.1	5121.01
K 766.491	13961.7b	ppb	46.9473	0.3	744623
Mg 279.078	11830.0b	ppb	10.2610	0.1	29540.1
Mn 257.610	4198.30b	ppb	3.7913	0.1	1055399
Mo 202.032	8.0917b	ppb	0.3612	4.5	73.3511
Na 330.237	1303385xb	ppb	8037.53	0.6	77578.2
Ni 231.604	105.682b	ppb	1.0449	1.0	320.008
Pb 220.353	-0.5436b	ppb	1.3826	254.3	3.8986
Sb 206.834	-3.8598b	ppb	0.9912	25.7	0.6328
Se 196.026	-2.9105b	ppb	6.3537	218.3	2.5024
Sn 189.925	-3.0217b	ppb	0.8311	27.5	-3.1528
Sr 216.596	85.5065b	ppb	0.0930	0.1	1036.72
Ti 334.941	5.8236b	ppb	0.0021	0.0	1472.94
Tl 190.794	9.9478b	ppb	2.9899	30.1	5.0619
V 292.401	55.2186b	ppb	0.2385	0.4	1625.89
Zn 206.200	1.0893b	ppb	0.6647	61.0	4.7377

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-f-4-a (Samp) 4/3/2013, 3:08:37 AM Rack 2, Tube 11
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3634	0.5206	0.2844
Al 308.215	305.285	303.155	302.896
As 188.980	8.7567	4.8612	12.8516
B 249.678	123.160	122.862	120.344
Ba 389.178	127.062	126.426	122.931
Be 313.042	0.0169	0.0161	0.0114
Ca 370.602	31906	31796	31210
Cd 226.502	-0.0607	-0.4391	-0.1586
Co 228.615	0.8473	-0.1469u	1.6703
Cr 267.716	4.7945	4.9755	4.4839
Cu 324.754	33.2570	31.9791	31.9994
Fe 271.441	9177.25	9118.60	8942.58
K 766.491	4415.90	4392.00	4282.18
Mg 279.078	8728.95	8685.02	8533.86
Mn 257.610	3475.00	3453.48	3391.56
Mo 202.032	8.4720	8.7666	8.2835
Na 330.237	82239.8	81914.3	80356.1
Ni 231.604	4.0986	3.3839	3.3679
Pb 220.353	-2.1273u	0.5981	0.1754
Sb 206.834	-0.1513u	-7.1647u	0.9641
Se 196.026	-6.9162u	-2.7224u	9.3247
Sn 189.925	-0.5999u	-0.0372	0.1226
Sr 216.596	185.030	184.460	181.204
Ti 334.941	5.8885	5.9624	5.8658
Tl 190.794	9.4515	10.3865	4.7398u
V 292.401	3.3863	3.2621	3.4722
Zn 206.200	58.1743	58.1261	54.8033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3895	ppb	0.1203	30.9	-46.0795
Al 308.215	303.779	ppb	1.3110	0.4	1669.48
As 188.980	8.8232	ppb	3.9956	45.3	5.7448
B 249.678	122.122	ppb	1.5473	1.3	1536.42
Ba 389.178	125.473	ppb	2.2241	1.8	3076.24
Be 313.042	0.0148	ppb	0.0030	20.2	-218.082
Ca 370.602	31637	ppb	374.4	1.2	113717
Cd 226.502	-0.2194	ppb	0.1964	89.5	22.3519
Co 228.615	0.7902	ppb	0.9100	115.2	14.0526
Cr 267.716	4.7513	ppb	0.2486	5.2	254.045
Cu 324.754	32.4118	ppb	0.7320	2.3	1473.51
Fe 271.441	9079.48	ppb	122.131	1.3	17360.8
K 766.491	4363.36	ppb	71.3116	1.6	232855
Mg 279.078	8649.27	ppb	102.340	1.2	21599.4
Mn 257.610	3440.01	ppb	43.3197	1.3	864816
Mo 202.032	8.5074	ppb	0.2435	2.9	76.3207
Na 330.237	81503.4	ppb	1006.84	1.2	4839.79
Ni 231.604	3.6168	ppb	0.4174	11.5	9.8064
Pb 220.353	-0.4513	ppb	1.4668	325.0	3.8821
Sb 206.834	-2.1173	ppb	4.4066	208.1	2.2882
Se 196.026	-0.1046	ppb	8.4310	8057.1	3.8609
Sn 189.925	-0.1715	ppb	0.3795	221.3	-0.9539
Sr 216.596	183.565	ppb	2.0644	1.1	2218.62
Ti 334.941	5.9056	ppb	0.0505	0.9	1576.93
Tl 190.794	8.1926	ppb	3.0266	36.9	3.9867
V 292.401	3.3735	ppb	0.1057	3.1	94.0047
Zn 206.200	57.0346	ppb	1.9325	3.4	109.873

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-e-5-a (Samp) 4/3/2013, 3:15:03 AM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1341	0.9382	0.6369
Al 308.215	66.4649	70.3856	69.5128
As 188.980	11.6838	7.5633	8.8296
B 249.678	894.195	899.364	904.841
Ba 389.178	102.724	103.305	104.544
Be 313.042	0.0531	0.0430	0.0546
Ca 370.602	20623	20633	20638
Cd 226.502	-0.0796u	-0.1881u	0.0204
Co 228.615	3.6345	3.0679	3.2193
Cr 267.716	10.3654	10.4816	10.5946
Cu 324.754	2.5735	2.6831	2.5064
Fe 271.441	1833.60	1842.22	1841.08
K 766.491	3510.07	3517.52	3518.99
Mg 279.078	6500.86	6496.08	6507.65
Mn 257.610	2964.36	2968.55	2967.66
Mo 202.032	3.9301	4.1308	3.8564
Na 330.237	418457x	416357x	416383x
Ni 231.604	31.0837	29.2095	31.0852
Pb 220.353	-0.6221u	-0.4560u	0.3570
Sb 206.834	-2.7012u	-3.3316u	-7.4942u
Se 196.026	2.6122	5.4614	-1.3852
Sn 189.925	1.6621	1.4246	-0.8963u
Sr 216.596	83.6721	84.3490	83.6797
Ti 334.941	3.2131	3.1456	3.2204
Tl 190.794	1.5505u	10.3126	3.6290u
V 292.401	20.5644	20.5922	20.3923
Zn 206.200	1.6532	1.8382	1.6938

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5697b	ppb	0.4062	71.3	-29.6032
Al 308.215	68.7878b	ppb	2.0584	3.0	446.960
As 188.980	9.3589b	ppb	2.1106	22.6	6.1077
B 249.678	899.467b	ppb	5.3241	0.6	10717.0
Ba 389.178	103.524b	ppb	0.9295	0.9	2526.17
Be 313.042	0.0502b	ppb	0.0063	12.5	-190.816
Ca 370.602	20631b	ppb	7.762	0.0	74552
Cd 226.502	-0.0824b	ppb	0.1042	126.4	7.5097
Co 228.615	3.3072b	ppb	0.2934	8.9	44.7636
Cr 267.716	10.4805b	ppb	0.1146	1.1	540.304
Cu 324.754	2.5877b	ppb	0.0892	3.4	39.8153
Fe 271.441	1838.97b	ppb	4.6854	0.3	3517.21
K 766.491	3515.53b	ppb	4.7840	0.1	187650
Mg 279.078	6501.53b	ppb	5.8179	0.1	16234.6
Mn 257.610	2966.86b	ppb	2.2107	0.1	745855
Mo 202.032	3.9724b	ppb	0.1420	3.6	41.7177
Na 330.237	417065xb	ppb	1205.05	0.3	24818.0
Ni 231.604	30.4595b	ppb	1.0825	3.6	91.2555
Pb 220.353	-0.2404b	ppb	0.5240	218.0	4.1969
Sb 206.834	-4.5090b	ppb	2.6044	57.8	-0.0490
Se 196.026	2.2295b	ppb	3.4393	154.3	4.9523
Sn 189.925	0.7301b	ppb	1.4135	193.6	0.0325
Sr 216.596	83.9003b	ppb	0.3886	0.5	1016.73
Ti 334.941	3.1930b	ppb	0.0412	1.3	790.281
Tl 190.794	5.1640b	ppb	4.5783	88.7	1.8973
V 292.401	20.5163b	ppb	0.1083	0.5	601.944
Zn 206.200	1.7284b	ppb	0.0972	5.6	5.9754

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 3:21:29 AM Rack 2, Tube 13
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	478.271	480.970	484.064
Al 308.215	4760.53	4779.65	4781.60
As 188.980	475.293	498.800	486.112
B 249.678	509.715	510.957	515.956
Ba 389.178	4857.99	4879.36	4890.05
Be 313.042	476.248	479.248	478.981
Ca 370.602	4925	4955	4961
Cd 226.502	497.776	500.307	500.878
Co 228.615	500.930	502.603	503.987
Cr 267.716	4794.01	4809.60	4815.61
Cu 324.754	4720.26	4890.84	4827.48
Fe 271.441	4967.50	5003.04	5000.42
K 766.491	9637.47	9695.75	9695.40
Mg 279.078	4878.11	4892.99	4900.77
Mn 257.610	4904.21	4936.81	4934.96
Mo 202.032	494.215	496.053	496.745
Na 330.237	7512.88	7512.46	7595.72
Ni 231.604	2461.49	2482.61	2483.80
Pb 220.353	494.323	496.034	495.322
Sb 206.834	960.536	978.112	961.402
Se 196.026	4903.50	4923.66	4946.70
Sn 189.925	5007.71	4997.58	4974.18
Sr 216.596	2420.44	2434.73	2428.02
Ti 334.941	484.981	487.287	487.629
Tl 190.794	5094.15	5110.64	5126.25
V 292.401	4871.94	4899.66	4899.02
Zn 206.200	2483.32	2496.02	2495.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.102	ppb	2.8985	0.6	36439.6	96.22031
Al 308.215	4773.93	ppb	11.6390	0.2	24889.5	95.47854
As 188.980	486.735	ppb	11.7657	2.4	349.454	97.34699
B 249.678	512.209	ppb	3.3037	0.6	6143.87	20.48837Q
Ba 389.178	4875.80	ppb	16.3252	0.3	118541	97.51607
Be 313.042	478.159	ppb	1.6608	0.3	1014196	95.63181
Ca 370.602	4947	ppb	19.40	0.4	17742	98.93458
Cd 226.502	499.653	ppb	1.6507	0.3	19488.1	99.93068
Co 228.615	502.507	ppb	1.5308	0.3	6072.84	100.50134
Cr 267.716	4806.41	ppb	11.1516	0.2	238278	96.12813
Cu 324.754	4812.86	ppb	86.2238	1.8	230870	96.25721
Fe 271.441	4990.32	ppb	19.8045	0.4	9678.14	99.80644
K 766.491	9676.20	ppb	33.5477	0.3	516129	96.76204
Mg 279.078	4890.62	ppb	11.5134	0.2	12167.2	97.81246
Mn 257.610	4925.32	ppb	18.3134	0.4	1238077	98.50649
Mo 202.032	495.671	ppb	1.3072	0.3	3821.23	99.13419
Na 330.237	7540.35	ppb	47.9452	0.6	413.047	100.53806
Ni 231.604	2475.97	ppb	12.5504	0.5	7527.45	99.03861
Pb 220.353	495.226	ppb	0.8597	0.2	1001.68	99.04522
Sb 206.834	966.683	ppb	9.9067	1.0	976.976	96.66833
Se 196.026	4924.62	ppb	21.6164	0.4	2674.31	98.49243
Sn 189.925	4993.15	ppb	17.1959	0.3	4730.67	99.86308
Sr 216.596	2427.73	ppb	7.1469	0.3	29101.4	97.10919
Ti 334.941	486.632	ppb	1.4405	0.3	134507	97.32645
Tl 190.794	5110.35	ppb	16.0486	0.3	5453.04	102.20695
V 292.401	4890.21	ppb	15.8236	0.3	145153	97.80410
Zn 206.200	2491.77	ppb	7.3123	0.3	4664.81	99.67065

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 3:27:53 AM Rack 2, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3777u	-0.3105u	1.2267
Al 308.215	0.1148	0.8059	0.8844
As 188.980	2.4667	0.9312	3.0635
B 249.678	10.1503	9.6274	8.7013
Ba 389.178	0.3221	1.0076	1.3065
Be 313.042	0.1038	0.1179	0.1471
Ca 370.602	-0.5684u	-0.1745u	2.784
Cd 226.502	0.0120	0.3159	0.1872
Co 228.615	-0.9144u	-0.1074u	-0.1409u
Cr 267.716	0.9867	1.1506	1.1775
Cu 324.754	1.2405	1.4493	1.9041
Fe 271.441	8.3161	-2.1219u	0.3009
K 766.491	4.5048	5.3949	5.0387
Mg 279.078	2.7287	1.6400	-1.2508u
Mn 257.610	1.0228	1.2590	1.5636
Mo 202.032	0.4844	0.0333	0.5145
Na 330.237	-10.0485u	149.587	11.1516
Ni 231.604	1.2250	1.9557	1.3360
Pb 220.353	-1.3629u	-1.8004u	2.7325
Sb 206.834	-2.3621u	1.4392	2.6561
Se 196.026	0.5511	0.9987	-12.0419u
Sn 189.925	1.5419	-3.9844u	0.2704
Sr 216.596	0.7052	0.6183	0.6515
Ti 334.941	0.1759	0.2342	0.1610
Tl 190.794	1.2743	-0.1038u	-1.7620u
V 292.401	1.1843	1.2366	1.5175
Zn 206.200	0.3981	-0.0586u	0.7917

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1795	ppb	0.9075	505.5	-68.9513	0.17952
Al 308.215	0.6017	ppb	0.4235	70.4	92.3484	0.60174
As 188.980	2.1538	ppb	1.1000	51.1	0.7405	2.15382
B 249.678	9.4930	ppb	0.7338	7.7	218.034	9.49300
Ba 389.178	0.8787	ppb	0.5047	57.4	10.4943	0.87872
Be 313.042	0.1229	ppb	0.0221	18.0	13.1440	0.12293
Ca 370.602	0.6805	ppb	1.833	269.3	-1.039	0.68046
Cd 226.502	0.1717	ppb	0.1525	88.8	15.1682	0.17171
Co 228.615	-0.3876	ppb	0.4565	117.8	0.2816	-0.38756
Cr 267.716	1.1049	ppb	0.1033	9.3	54.3385	1.10493
Cu 324.754	1.5313	ppb	0.3393	22.2	-11.3120	1.53130
Fe 271.441	2.1650	ppb	5.4630	252.3	4.4316	2.16503
K 766.491	4.9795	ppb	0.4480	9.0	472.249	4.97948
Mg 279.078	1.0393	ppb	2.0566	197.9	29.9742	1.03932
Mn 257.610	1.2818	ppb	0.2711	21.2	451.169	1.28181
Mo 202.032	0.3441	ppb	0.2696	78.3	13.8897	0.34409
Na 330.237	50.2300	ppb	86.6961	172.6	-5.2682	50.23002
Ni 231.604	1.5056	ppb	0.3938	26.2	3.1709	1.50555
Pb 220.353	-0.1436	ppb	2.5004	1741.5	3.6330	-0.14357
Sb 206.834	0.5777	ppb	2.6177	453.1	4.7545	0.57772
Se 196.026	-3.4974	ppb	7.4031	211.7	1.0393	-3.49736
Sn 189.925	-0.7241	ppb	2.8942	399.7	-1.5256	-0.72407
Sr 216.596	0.6583	ppb	0.0438	6.7	14.4679	0.65835
Ti 334.941	0.1903	ppb	0.0387	20.3	-36.9858	0.19034
Tl 190.794	-0.1972	ppb	1.5203	771.0	0.8608	-0.19719
V 292.401	1.3128	ppb	0.1792	13.6	35.1522	1.31281
Zn 206.200	0.3771	ppb	0.4255	112.8	3.4735	0.37705

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-6-a (Samp) 4/3/2013, 3:34:18 AM Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2290u	0.0350u	0.2454u
Al 308.215	49.7926	49.8419	50.8076
As 188.980	-7.8693u	-2.1200u	3.3798
B 249.678	33.1330	33.1891	32.6598
Ba 389.178	157.470	159.473	158.092
Be 313.042	-0.0092	0.0042	-0.0130u
Ca 370.602	67427	67562	67433
Cd 226.502	-0.1026u	0.0215	-0.0124u
Co 228.615	-0.1886u	-0.9945u	-0.0251u
Cr 267.716	0.5803	0.9021	0.5069
Cu 324.754	0.8396	0.3226	1.3041
Fe 271.441	69.0879	64.6288	55.7470
K 766.491	1541.49	1542.19	1542.08
Mg 279.078	16033.7	16042.9	16019.2
Mn 257.610	5.6271	5.6321	5.6415
Mo 202.032	2.1231	1.2147	1.3024
Na 330.237	34392.1	34066.0	34309.5
Ni 231.604	0.7189	1.0452	0.1384
Pb 220.353	-1.4026u	-2.6466u	-4.4081u
Sb 206.834	-6.6027u	-6.7350u	-11.5664u
Se 196.026	-0.8950u	-3.0008u	-2.3542u
Sn 189.925	0.6452	-0.0049	-1.1025u
Sr 216.596	413.050	414.897	413.731
Ti 334.941	0.7787	0.7393	0.7349
Tl 190.794	-2.4753u	-0.7732u	-3.1008u
V 292.401	0.4994	0.7422	0.8571
Zn 206.200	3.1663	4.3106	3.3085

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1698	ppb	0.1170	68.9	-89.5807
Al 308.215	50.1474	ppb	0.5723	1.1	350.099
As 188.980	-2.2032	ppb	5.6250	255.3	-1.7380
B 249.678	32.9940	ppb	0.2908	0.9	495.260
Ba 389.178	158.345	ppb	1.0254	0.6	3882.38
Be 313.042	-0.0060	ppb	0.0091	151.1	-239.829
Ca 370.602	67474	ppb	76.08	0.1	244062
Cd 226.502	-0.0311	ppb	0.0642	206.1	7.4308
Co 228.615	-0.4027	ppb	0.5190	128.9	0.0747
Cr 267.716	0.6631	ppb	0.2102	31.7	33.1139
Cu 324.754	0.8221	ppb	0.4909	59.7	-45.2912
Fe 271.441	63.1546	ppb	6.7915	10.8	121.015
K 766.491	1541.92	ppb	0.3788	0.0	82419.7
Mg 279.078	16031.9	ppb	11.9383	0.1	40129.2
Mn 257.610	5.6336	ppb	0.0073	0.1	1688.77
Mo 202.032	1.5467	ppb	0.5011	32.4	23.1564
Na 330.237	34255.9	ppb	169.524	0.5	2030.86
Ni 231.604	0.6341	ppb	0.4593	72.4	0.5227
Pb 220.353	-2.8191	ppb	1.5101	53.6	-1.7609
Sb 206.834	-8.3014	ppb	2.8284	34.1	-3.7958
Se 196.026	-2.0834	ppb	1.0787	51.8	1.8076
Sn 189.925	-0.1541	ppb	0.8833	573.2	-0.9395
Sr 216.596	413.893	ppb	0.9341	0.2	4985.35
Ti 334.941	0.7510	ppb	0.0241	3.2	187.301
Tl 190.794	-2.1164	ppb	1.2046	56.9	-1.2007
V 292.401	0.6996	ppb	0.1826	26.1	16.5642
Zn 206.200	3.5951	ppb	0.6237	17.3	9.5186

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-7-a (Samp) 4/3/2013, 3:40:43 AM Rack 2, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1565u	0.7869	0.3477
Al 308.215	3.5010	5.6595	6.2800
As 188.980	-3.9588u	-0.6293u	0.3090
B 249.678	18.5425	18.3295	18.4633
Ba 389.178	123.372	122.604	122.175
Be 313.042	0.0019	-0.0083u	-0.0056u
Ca 370.602	34196	34218	34216
Cd 226.502	0.1500	0.1289	-0.0512u
Co 228.615	-0.2779u	-0.0860u	-0.3581u
Cr 267.716	0.8250	0.3797	0.7266
Cu 324.754	0.7367	0.1888	0.0937
Fe 271.441	10.0528	-0.6991u	4.8340
K 766.491	1367.18	1371.28	1370.72
Mg 279.078	8595.96	8598.10	8601.13
Mn 257.610	-0.3873u	-0.4320u	-0.4500u
Mo 202.032	-0.2731u	-0.0174u	-0.2444u
Na 330.237	23394.6	23626.1	23496.7
Ni 231.604	0.7979	1.2195	1.6379
Pb 220.353	-1.6897u	-2.9685u	-0.4838u
Sb 206.834	-3.2026u	-3.4675u	-7.1224u
Se 196.026	-5.9295u	-6.6883u	-6.1560u
Sn 189.925	-5.3856u	-1.8732u	0.1104
Sr 216.596	149.284	150.197	150.191
Ti 334.941	-0.0079	0.0660	-0.0205
Tl 190.794	0.4630	-5.0119u	-1.1017u
V 292.401	-0.3232u	-0.4488u	-0.4978u
Zn 206.200	2.4813	3.2033	4.3769

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3260	ppb	0.4721	144.8	-65.0623
Al 308.215	5.1468	ppb	1.4587	28.3	115.969
As 188.980	-1.4264	ppb	2.2428	157.2	-1.5028
B 249.678	18.4451	ppb	0.1077	0.6	323.659
Ba 389.178	122.717	ppb	0.6062	0.5	2995.76
Be 313.042	-0.0040	ppb	0.0053	131.7	-246.410
Ca 370.602	34210	ppb	12.25	0.0	123741
Cd 226.502	0.0759	ppb	0.1106	145.7	11.4252
Co 228.615	-0.2407	ppb	0.1398	58.1	2.0650
Cr 267.716	0.6438	ppb	0.2340	36.3	31.9218
Cu 324.754	0.3397	ppb	0.3470	102.1	-68.4887
Fe 271.441	4.7293	ppb	5.3767	113.7	9.3037
K 766.491	1369.73	ppb	2.2224	0.2	73238.8
Mg 279.078	8598.40	ppb	2.6002	0.0	21535.2
Mn 257.610	-0.4231	ppb	0.0323	7.6	99.6754
Mo 202.032	-0.1783	ppb	0.1401	78.6	9.8670
Na 330.237	23505.8	ppb	115.996	0.5	1390.96
Ni 231.604	1.2184	ppb	0.4200	34.5	2.2980
Pb 220.353	-1.7140	ppb	1.2425	72.5	0.4685
Sb 206.834	-4.5975	ppb	2.1907	47.6	-0.2191
Se 196.026	-6.2580	ppb	0.3895	6.2	-0.4578
Sn 189.925	-2.3828	ppb	2.7832	116.8	-3.0716
Sr 216.596	149.891	ppb	0.5255	0.4	1810.74
Ti 334.941	0.0125	ppb	0.0467	373.6	-49.4314
Tl 190.794	-1.8835	ppb	2.8199	149.7	-0.9390
V 292.401	-0.4233	ppb	0.0901	21.3	-16.5251
Zn 206.200	3.3538	ppb	0.9567	28.5	0.0660

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-8-a (Samp) 4/3/2013, 3:47:08 AM Rack 2, Tube 17

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3031	0.3276	0.0315
Al 308.215	1.9337	1.3297	-1.7558u
As 188.980	-0.4440u	-0.2628u	1.9891
B 249.678	-3.6680u	-3.0929u	-3.7536u
Ba 389.178	0.0937	-0.8876u	-1.2467u
Be 313.042	0.0095	0.0099	0.0113
Ca 370.602	1.847	7.496	8.135
Cd 226.502	0.0414	-0.0739u	-0.0434u
Co 228.615	0.0054	0.0864	0.1804
Cr 267.716	-0.2210u	0.0216	0.0078
Cu 324.754	0.1929	0.4808	0.0836
Fe 271.441	6.1917	5.6694	4.6460
K 766.491	0.4718	0.6145	0.9557
Mg 279.078	0.6953	-0.7747u	-0.0807u
Mn 257.610	-0.2488u	-0.2987u	-0.3069u
Mo 202.032	0.2133	-0.5961u	-0.2553u
Na 330.237	35.8064	24.6538	55.7688
Ni 231.604	0.4576	0.5474	0.4903
Pb 220.353	-4.0097u	0.0077	-2.1091u
Sb 206.834	-4.2936u	-2.4723u	-1.4403u
Se 196.026	-4.1964u	-1.4845u	-9.7971u
Sn 189.925	0.2939	-1.5004u	-2.2244u
Sr 216.596	0.4514	0.1532	0.0781
Ti 334.941	-0.0349u	0.0555	-0.0296u
Tl 190.794	-2.4831u	-2.2886u	-5.4602u
V 292.401	0.3570	-0.1657u	0.5981
Zn 206.200	0.5482	-0.8842u	-1.7485u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2207	ppb	0.1643	74.4	-65.8152
Al 308.215	0.5025	ppb	1.9789	393.8	91.7503
As 188.980	0.4275	ppb	1.3555	317.1	-0.5021
B 249.678	-3.5048	ppb	0.3593	10.3	64.6668
Ba 389.178	-0.6802	ppb	0.6939	102.0	-27.4070
Be 313.042	0.0102	ppb	0.0010	9.3	-225.889
Ca 370.602	5.826	ppb	3.461	59.4	17.33
Cd 226.502	-0.0253	ppb	0.0597	236.1	7.4972
Co 228.615	0.0907	ppb	0.0876	96.5	6.0706
Cr 267.716	-0.0639	ppb	0.1362	213.3	-3.6072
Cu 324.754	0.2524	ppb	0.2052	81.3	-72.7005
Fe 271.441	5.5024	ppb	0.7862	14.3	10.8273
K 766.491	0.6807	ppb	0.2486	36.5	243.043
Mg 279.078	-0.0534	ppb	0.7354	1376.9	27.2707
Mn 257.610	-0.2848	ppb	0.0315	11.0	57.4215
Mo 202.032	-0.2127	ppb	0.4063	191.1	9.6008
Na 330.237	38.7430	ppb	15.7640	40.7	-5.9426
Ni 231.604	0.4985	ppb	0.0455	9.1	0.1086
Pb 220.353	-2.0370	ppb	2.0097	98.7	-0.1815
Sb 206.834	-2.7354	ppb	1.4447	52.8	1.5709
Se 196.026	-5.1593	ppb	4.2391	82.2	0.1378
Sn 189.925	-1.1436	ppb	1.2965	113.4	-1.9232
Sr 216.596	0.2276	ppb	0.1974	86.7	9.3255
Ti 334.941	-0.0030	ppb	0.0507	1684.5	-90.4622
Tl 190.794	-3.4106	ppb	1.7776	52.1	-2.5685
V 292.401	0.2631	ppb	0.3905	148.4	4.1481
Zn 206.200	-0.6948	ppb	1.1600	275.8	-1.4642

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-9-a (Samp) 4/3/2013, 3:53:33 AM Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7421	0.0311	0.5839
Al 308.215	3.9395	-1.0971u	-0.6178u
As 188.980	-6.5207u	1.1357	-1.5261u
B 249.678	-4.0810u	-2.3117u	-4.3087u
Ba 389.178	-0.6612u	-0.9853u	-0.3194u
Be 313.042	0.0015	0.0094	0.0130
Ca 370.602	26.28	27.69	29.28
Cd 226.502	0.1562	-0.0587u	0.0999
Co 228.615	-0.7948u	-0.4323u	-0.2865u
Cr 267.716	-0.0203u	-0.0134u	0.2295
Cu 324.754	0.2306	0.6374	0.5646
Fe 271.441	4.5201	-0.3605u	1.6997
K 766.491	3.6717	3.5842	3.3782
Mg 279.078	0.7186	-7.3754u	1.3074
Mn 257.610	-0.2686u	-0.2887u	-0.3161u
Mo 202.032	0.3431	0.2822	0.0180
Na 330.237	318.570	-160.995u	245.481
Ni 231.604	0.3779	0.3183	-0.4588u
Pb 220.353	-1.8724u	0.0958	0.3674
Sb 206.834	1.4031	-2.5396u	-6.7116u
Se 196.026	-7.0443u	4.0791	-2.6741u
Sn 189.925	-4.1994u	-1.9296u	0.0057
Sr 216.596	0.3007	0.5180	0.5103
Ti 334.941	-0.0259u	-0.0060u	-0.0235u
Tl 190.794	-2.2011u	-0.3989u	-3.1610u
V 292.401	-0.3207u	0.1857	-0.2544u
Zn 206.200	0.2397	1.3910	1.3496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4523	ppb	0.3733	82.5	-48.1922
Al 308.215	0.7415	ppb	2.7799	374.9	93.0636
As 188.980	-2.3037	ppb	3.8869	168.7	-2.4684
B 249.678	-3.5671	ppb	1.0932	30.6	63.9330
Ba 389.178	-0.6553	ppb	0.3330	50.8	-26.8051
Be 313.042	0.0080	ppb	0.0059	73.4	-230.684
Ca 370.602	27.75	ppb	1.499	5.4	96.74
Cd 226.502	0.0658	ppb	0.1114	169.4	11.0427
Co 228.615	-0.5045	ppb	0.2618	51.9	-1.1246
Cr 267.716	0.0652	ppb	0.1423	218.1	2.7991
Cu 324.754	0.4776	ppb	0.2169	45.4	-61.8785
Fe 271.441	1.9531	ppb	2.4502	125.4	3.9721
K 766.491	3.5447	ppb	0.1507	4.3	395.748
Mg 279.078	-1.7831	ppb	4.8520	272.1	22.9437
Mn 257.610	-0.2911	ppb	0.0238	8.2	55.8204
Mo 202.032	0.2144	ppb	0.1728	80.6	12.8935
Na 330.237	134.352	ppb	258.376	192.3	-0.2637
Ni 231.604	0.0792	ppb	0.4669	589.8	-1.1664
Pb 220.353	-0.4697	ppb	1.2223	260.2	2.9760
Sb 206.834	-2.6160	ppb	4.0579	155.1	1.6792
Se 196.026	-1.8798	ppb	5.6040	298.1	1.9159
Sn 189.925	-2.0411	ppb	2.1047	103.1	-2.7736
Sr 216.596	0.4430	ppb	0.1233	27.8	11.9116
Ti 334.941	-0.0185	ppb	0.0109	58.9	-94.7451
Tl 190.794	-1.9203	ppb	1.4023	73.0	-0.9777
V 292.401	-0.1298	ppb	0.2752	212.0	-7.6650
Zn 206.200	0.9935	ppb	0.6531	65.7	4.6351

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88798-a-1-a (Samp) 4/3/2013, 3:59:57 AM Rack 2, Tube 19
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.2009	0.4851	0.7297
Al 308.215	169.105	169.432	168.885
As 188.980	-5.3547u	-1.0968u	-2.0390u
B 249.678	38.8260	39.1280	41.3828
Ba 389.178	25.7762	25.8766	24.0850
Be 313.042	0.0406	0.0390	0.0426
Ca 370.602	7722	7627	7684
Cd 226.502	0.1517	0.3127	0.2889
Co 228.615	0.3435	0.0793	-0.3710u
Cr 267.716	0.4473	0.2914	0.3180
Cu 324.754	36.3176	37.3291	37.3944
Fe 271.441	510.817	514.370	511.256
K 766.491	5213.68	5173.52	5198.13
Mg 279.078	1273.01	1270.15	1273.22
Mn 257.610	33.5909	33.2883	33.3907
Mo 202.032	-0.1298u	-0.2267u	-0.1157u
Na 330.237	14940.6	14823.0	15113.0
Ni 231.604	1.7629	0.4518	1.8077
Pb 220.353	0.2354	0.8612	-1.7749u
Sb 206.834	-4.4551u	-3.2474u	-1.0802u
Se 196.026	-4.7605u	-4.0321u	-6.1464u
Sn 189.925	-1.9324u	-0.5074u	0.8981
Sr 216.596	20.5667	20.5149	21.5909
Ti 334.941	0.8962	0.8441	0.9606
Tl 190.794	-2.6092u	-2.8757u	-2.4865u
V 292.401	1.4485	1.2585	0.7587
Zn 206.200	43.1764	41.4835	41.9367

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8052	ppb	0.3638	45.2	-22.2012
Al 308.215	169.141	ppb	0.2757	0.2	968.497
As 188.980	-2.8302	ppb	2.2365	79.0	-2.7786
B 249.678	39.7790	ppb	1.3971	3.5	574.803
Ba 389.178	25.2459	ppb	1.0067	4.0	607.044
Be 313.042	0.0407	ppb	0.0018	4.5	-160.564
Ca 370.602	7678	ppb	47.90	0.6	27724
Cd 226.502	0.2511	ppb	0.0869	34.6	19.4718
Co 228.615	0.0172	ppb	0.3613	2095.6	5.1882
Cr 267.716	0.3522	ppb	0.0834	23.7	17.5626
Cu 324.754	37.0137	ppb	0.6038	1.6	1691.75
Fe 271.441	512.147	ppb	1.9371	0.4	979.491
K 766.491	5195.11	ppb	20.2529	0.4	277203
Mg 279.078	1272.12	ppb	1.7176	0.1	3208.88
Mn 257.610	33.4233	ppb	0.1539	0.5	8542.18
Mo 202.032	-0.1574	ppb	0.0605	38.4	9.9983
Na 330.237	14958.9	ppb	145.852	1.0	881.670
Ni 231.604	1.3408	ppb	0.7702	57.4	2.6821
Pb 220.353	-0.2261	ppb	1.3773	609.2	3.4718
Sb 206.834	-2.9276	ppb	1.7100	58.4	1.3969
Se 196.026	-4.9797	ppb	1.0741	21.6	0.2475
Sn 189.925	-0.5139	ppb	1.4153	275.4	-1.3168
Sr 216.596	20.8909	ppb	0.6068	2.9	258.585
Ti 334.941	0.9003	ppb	0.0583	6.5	163.954
Tl 190.794	-2.6571	ppb	0.1989	7.5	-1.8438
V 292.401	1.1552	ppb	0.3563	30.8	30.5271
Zn 206.200	42.1989	ppb	0.8763	2.1	82.0252

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88798-a-2-a (Samp) 4/3/2013, 4:06:23 AM Rack 2, Tube 20
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1255	-0.6378u	-0.8686u
Al 308.215	900.440	889.951	891.130
As 188.980	2.0097	1.2803	-0.4939u
B 249.678	51.6144	52.4300	53.3018
Ba 389.178	34.6231	34.5179	35.4793
Be 313.042	0.0633	0.0753	0.0681
Ca 370.602	7179	7125	7136
Cd 226.502	-0.0099	0.1690	0.0022
Co 228.615	0.1398	0.4402	0.2121
Cr 267.716	1.1415	1.3937	1.4907
Cu 324.754	31.0379	29.6552	30.1296
Fe 271.441	933.592	924.494	922.653
K 766.491	4345.81	4322.50	4327.26
Mg 279.078	1170.06	1159.50	1161.57
Mn 257.610	45.9517	45.5973	45.5820
Mo 202.032	-0.0226u	-0.0164u	0.2585
Na 330.237	12951.5	13041.8	13346.9
Ni 231.604	3.0747	0.0738	2.1798
Pb 220.353	2.5063	1.4137	0.6605
Sb 206.834	-7.9524u	-6.6953u	-6.3943u
Se 196.026	8.8520	-11.1806u	-12.5191u
Sn 189.925	1.7847	-0.1720u	-0.6605u
Sr 216.596	19.5185	20.2850	19.6030
Ti 334.941	6.2347	6.2333	6.3747
Tl 190.794	-3.8093u	-4.7559u	-3.3155u
V 292.401	3.1371	2.7071	2.8437
Zn 206.200	52.6462	50.6030	50.1453

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4603	ppb	0.5203	113.0	-118.332
Al 308.215	893.840	ppb	5.7458	0.6	4736.11
As 188.980	0.9320	ppb	1.2876	138.1	-0.0801
B 249.678	52.4487	ppb	0.8438	1.6	723.812
Ba 389.178	34.8734	ppb	0.5273	1.5	841.378
Be 313.042	0.0689	ppb	0.0060	8.7	-100.727
Ca 370.602	7147	ppb	28.36	0.4	25767
Cd 226.502	0.0538	ppb	0.1000	186.0	12.8366
Co 228.615	0.2640	ppb	0.1568	59.4	8.2937
Cr 267.716	1.3420	ppb	0.1802	13.4	66.7604
Cu 324.754	30.2743	ppb	0.7026	2.3	1368.40
Fe 271.441	926.913	ppb	5.8570	0.6	1772.68
K 766.491	4331.85	ppb	12.3172	0.3	231175
Mg 279.078	1163.71	ppb	5.5921	0.5	2937.29
Mn 257.610	45.7103	ppb	0.2092	0.5	11630.6
Mo 202.032	0.0732	ppb	0.1605	219.3	11.7500
Na 330.237	13113.4	ppb	207.229	1.6	771.539
Ni 231.604	1.7761	ppb	1.5406	86.7	4.0161
Pb 220.353	1.5268	ppb	0.9281	60.8	6.9871
Sb 206.834	-7.0140	ppb	0.8265	11.8	-2.5126
Se 196.026	-4.9492	ppb	11.9709	241.9	0.2699
Sn 189.925	0.3174	ppb	1.2939	407.7	-0.5300
Sr 216.596	19.8021	ppb	0.4202	2.1	245.628
Ti 334.941	6.2809	ppb	0.0813	1.3	1651.65
Tl 190.794	-3.9602	ppb	0.7320	18.5	-3.2757
V 292.401	2.8960	ppb	0.2197	7.6	82.3419
Zn 206.200	51.1315	ppb	1.3316	2.6	98.7986

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88785-a-1-a (Samp) 4/3/2013, 4:12:48 AM Rack 2, Tube 21
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1633u	1.3645	0.5250
Al 308.215	584.107	579.528	581.339
As 188.980	2.9844	1.2882	5.4125
B 249.678	1.2908	1.3351	1.0631
Ba 389.178	23.8956	23.8617	23.6214
Be 313.042	0.0829	0.0754	0.0876
Ca 370.602	1790	1784	1784
Cd 226.502	0.1852	-0.0216	-0.0492u
Co 228.615	0.2816	1.3288	0.8939
Cr 267.716	0.7317	1.0209	0.9285
Cu 324.754	11.3052	10.5091	10.4085
Fe 271.441	694.676	691.529	688.131
K 766.491	1714.19	1712.68	1707.13
Mg 279.078	330.479	332.244	325.138
Mn 257.610	44.1571	43.9292	43.8970
Mo 202.032	0.4961	0.2597	0.1670
Na 330.237	1846.03	1486.57	1460.90
Ni 231.604	1.1604	4.4467	3.2379
Pb 220.353	1.9746	2.5381	4.0701
Sb 206.834	-7.4377u	3.4773	-1.9268u
Se 196.026	-1.0374u	-13.6095u	-6.7789u
Sn 189.925	3.3935	-0.4488u	2.5096
Sr 216.596	5.3255	5.9762	5.9949
Ti 334.941	21.4367	21.3361	21.2698
Tl 190.794	-2.9958u	-2.7557u	-0.4007u
V 292.401	5.2954	5.4255	5.6721
Zn 206.200	224.719	226.580	224.998

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5754	ppb	0.7651	133.0	-38.8403
Al 308.215	581.658	ppb	2.3060	0.4	3113.11
As 188.980	3.2283	ppb	2.0729	64.2	1.5236
B 249.678	1.2297	ppb	0.1459	11.9	119.737
Ba 389.178	23.7929	ppb	0.1495	0.6	569.397
Be 313.042	0.0820	ppb	0.0061	7.5	-73.5024
Ca 370.602	1786	ppb	3.499	0.2	6400
Cd 226.502	0.0381	ppb	0.1281	335.8	11.6838
Co 228.615	0.8348	ppb	0.5261	63.0	15.5896
Cr 267.716	0.8937	ppb	0.1477	16.5	44.2515
Cu 324.754	10.7409	ppb	0.4912	4.6	430.843
Fe 271.441	691.445	ppb	3.2735	0.5	1322.55
K 766.491	1711.33	ppb	3.7164	0.2	91452.7
Mg 279.078	329.287	ppb	3.6997	1.1	850.178
Mn 257.610	43.9944	ppb	0.1418	0.3	11191.2
Mo 202.032	0.3076	ppb	0.1697	55.2	13.5643
Na 330.237	1597.83	ppb	215.328	13.5	84.4900
Ni 231.604	2.9483	ppb	1.6621	56.4	7.5748
Pb 220.353	2.8609	ppb	1.0844	37.9	9.6710
Sb 206.834	-1.9624	ppb	5.4576	278.1	2.3275
Se 196.026	-7.1419	ppb	6.2939	88.1	-0.9209
Sn 189.925	1.8181	ppb	2.0123	110.7	0.8848
Sr 216.596	5.7655	ppb	0.3812	6.6	76.2892
Ti 334.941	21.3475	ppb	0.0840	0.4	5815.33
Tl 190.794	-2.0507	ppb	1.4340	69.9	-1.2193
V 292.401	5.4643	ppb	0.1913	3.5	159.133
Zn 206.200	225.433	ppb	1.0936	0.4	426.170

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88797-a-1-a (Samp) 4/3/2013, 4:19:14 AM Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2255	-0.1151u	0.4932
Al 308.215	869.421	880.169	881.752
As 188.980	-1.6932u	6.2627	-0.6485u
B 249.678	81.9766	83.9628	84.0874
Ba 389.178	64.8431	65.0705	66.0207
Be 313.042	0.0678	0.0752	0.0820
Ca 370.602	12863	12967	13017
Cd 226.502	0.3649	0.3678	0.4679
Co 228.615	1.0970	0.2664	0.9814
Cr 267.716	2.4185	2.1229	2.5423
Cu 324.754	12.8519	12.2962	12.2899
Fe 271.441	2084.50	2092.11	2090.71
K 766.491	6653.81	6692.11	6700.67
Mg 279.078	2226.48	2245.17	2251.78
Mn 257.610	308.506	310.855	314.104
Mo 202.032	0.7688	-0.3317u	0.2054
Na 330.237	26950.6	27018.6	27092.8
Ni 231.604	2.0685	1.2030	2.8337
Pb 220.353	0.2063	1.1026	1.2406
Sb 206.834	-0.1869u	0.1807	-1.6450u
Se 196.026	-3.1205u	-5.3225u	-3.6157u
Sn 189.925	1.6909	0.0121	0.8193
Sr 216.596	66.7026	66.8642	66.9721
Ti 334.941	4.9416	5.0172	5.0575
Tl 190.794	0.1326u	-2.1270u	1.0881
V 292.401	2.0474	2.0953	2.4717
Zn 206.200	79.1201	79.4345	80.8849

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2012	ppb	0.3049	151.5	-69.0713
Al 308.215	877.114	ppb	6.7093	0.8	4649.17
As 188.980	1.3070	ppb	4.3234	330.8	0.2327
B 249.678	83.3423	ppb	1.1843	1.4	1086.98
Ba 389.178	65.3114	ppb	0.6247	1.0	1585.92
Be 313.042	0.0750	ppb	0.0071	9.4	-87.6303
Ca 370.602	12949	ppb	78.72	0.6	46655
Cd 226.502	0.4002	ppb	0.0587	14.7	29.1891
Co 228.615	0.7816	ppb	0.4499	57.6	14.4634
Cr 267.716	2.3612	ppb	0.2155	9.1	119.007
Cu 324.754	12.4793	ppb	0.3226	2.6	514.694
Fe 271.441	2089.11	ppb	4.0522	0.2	3994.90
K 766.491	6682.20	ppb	24.9492	0.4	356492
Mg 279.078	2241.14	ppb	13.1180	0.6	5627.61
Mn 257.610	311.155	ppb	2.8109	0.9	78358.3
Mo 202.032	0.2142	ppb	0.5503	257.0	12.7765
Na 330.237	27020.7	ppb	71.1414	0.3	1598.77
Ni 231.604	2.0351	ppb	0.8159	40.1	4.8311
Pb 220.353	0.8498	ppb	0.5616	66.1	5.6927
Sb 206.834	-0.5504	ppb	0.9656	175.4	3.7308
Se 196.026	-4.0196	ppb	1.1552	28.7	0.8526
Sn 189.925	0.8408	ppb	0.8396	99.9	-0.0257
Sr 216.596	66.8463	ppb	0.1356	0.2	811.828
Ti 334.941	5.0055	ppb	0.0588	1.2	1302.82
Tl 190.794	-0.3021	ppb	1.6510	546.6	0.1559
V 292.401	2.2048	ppb	0.2324	10.5	61.5753
Zn 206.200	79.8131	ppb	0.9414	1.2	152.664

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88797-a-2-a (Samp) 4/3/2013, 4:25:40 AM Rack 2, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0236u	-0.0987u	0.2712
Al 308.215	1322.81	1324.27	1326.37
As 188.980	3.2489	-0.9594u	7.7876
B 249.678	146.490	146.734	146.858
Ba 389.178	124.360	123.417	123.245
Be 313.042	0.0515	0.0471	0.0581
Ca 370.602	38687	38701	38607
Cd 226.502	0.0085u	0.2721	0.3202
Co 228.615	-0.5357u	-0.5592u	-0.0363u
Cr 267.716	3.0995	2.8585	2.7093
Cu 324.754	1.4900	1.5428	1.3366
Fe 271.441	454.678	455.408	449.558
K 766.491	67703.2x	67718.5x	67736.3x
Mg 279.078	6395.39	6403.40	6387.98
Mn 257.610	1574.57	1576.25	1573.40
Mo 202.032	3.8883	4.2509	4.4200
Na 330.237	501731x	503305x	503265x
Ni 231.604	3.2638	3.4279	2.8930
Pb 220.353	-0.3032u	0.6366	-0.0237
Sb 206.834	-3.9067u	-0.0036u	-0.5301u
Se 196.026	-4.7193u	1.2758	4.9834
Sn 189.925	-3.4369u	-3.5303u	-1.7604u
Sr 216.596	203.509	202.871	203.399
Ti 334.941	11.9867	11.9527	12.0191
Tl 190.794	3.4613	1.4151u	0.8185u
V 292.401	5.4624	5.0012	5.0534
Zn 206.200	42.6826	41.7692	43.1451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0654b	ppb	0.1885	288.4	-80.1874
Al 308.215	1324.48b	ppb	1.7896	0.1	6975.42
As 188.980	3.3591b	ppb	4.3746	130.2	1.9782
B 249.678	146.694b	ppb	0.1871	0.1	1836.53
Ba 389.178	123.674b	ppb	0.6001	0.5	3013.60
Be 313.042	0.0522b	ppb	0.0055	10.5	-193.380
Ca 370.602	38665b	ppb	50.51	0.1	139869
Cd 226.502	0.2003b	ppb	0.1678	83.8	14.5274
Co 228.615	-0.3771b	ppb	0.2953	78.3	0.6459
Cr 267.716	2.8891b	ppb	0.1969	6.8	159.182
Cu 324.754	1.4565b	ppb	0.1071	7.4	-14.7143
Fe 271.441	453.214b	ppb	3.1880	0.7	866.930
K 766.491	67719.3xb	ppb	16.5460	0.0	3610909
Mg 279.078	6395.59b	ppb	7.7126	0.1	15995.2
Mn 257.610	1574.74b	ppb	1.4312	0.1	395966
Mo 202.032	4.1864b	ppb	0.2717	6.5	43.4710
Na 330.237	502767xb	ppb	897.449	0.2	29919.6
Ni 231.604	3.1949b	ppb	0.2740	8.6	8.3190
Pb 220.353	0.1032b	ppb	0.4826	467.5	4.4950
Sb 206.834	-1.4801b	ppb	2.1179	143.1	2.7554
Se 196.026	0.5133b	ppb	4.8961	953.8	3.6388
Sn 189.925	-2.9092b	ppb	0.9960	34.2	-3.3726
Sr 216.596	203.259b	ppb	0.3408	0.2	2452.21
Ti 334.941	11.9862b	ppb	0.0332	0.3	3214.79
Tl 190.794	1.8983b	ppb	1.3861	73.0	0.6365
V 292.401	5.1723b	ppb	0.2525	4.9	145.035
Zn 206.200	42.5323b	ppb	0.7992	1.9	82.6411

680-88797-a-3-a (Samp) 4/3/2013, 4:32:06 AM Rack 2, Tube 24
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1549u	-0.3029u	0.6736
Al 308.215	678.318	678.918	674.844
As 188.980	-7.5192u	0.2682	5.0457
B 249.678	90.5190	90.2939	91.1445
Ba 389.178	51.6505	51.0122	51.8362
Be 313.042	0.0609	0.0604	0.0591
Ca 370.602	28136	28111	28086
Cd 226.502	228.720	228.381	228.608
Co 228.615	0.1558	0.2233	0.6699
Cr 267.716	216.708	216.485	215.771
Cu 324.754	24.2854	24.7149	25.0224
Fe 271.441	1651.20	1644.98	1648.08
K 766.491	17372.1	17377.6	17403.4
Mg 279.078	2112.68	2123.27	2112.37
Mn 257.610	116.589	116.567	115.875
Mo 202.032	57.3969	58.0109	59.1053
Na 330.237	36277.6	36021.6	35994.4
Ni 231.604	87.1172	87.6344	88.1163
Pb 220.353	0.4292	3.2486	3.7233
Sb 206.834	-2.3097u	-0.0383	-2.3369u
Se 196.026	-10.0188u	-9.7702u	-1.6177u
Sn 189.925	-0.8142u	0.4760	-1.1942u
Sr 216.596	172.624	171.545	170.478
Ti 334.941	16.7421	16.7446	16.6635
Tl 190.794	-2.2249u	-3.4927u	-1.1578u
V 292.401	2.9100	3.2129	3.1572
Zn 206.200	101.501	100.355	102.738

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0720	ppb	0.5263	731.4	-84.8325
Al 308.215	677.360	ppb	2.1997	0.3	3617.72
As 188.980	-0.7351	ppb	6.3422	862.7	-1.1019
B 249.678	90.6525	ppb	0.4407	0.5	1173.78
Ba 389.178	51.4996	ppb	0.4322	0.8	1249.52
Be 313.042	0.0601	ppb	0.0009	1.6	-125.217
Ca 370.602	28111	ppb	25.40	0.1	101539
Cd 226.502	228.569	ppb	0.1727	0.1	8917.68
Co 228.615	0.3497	ppb	0.2794	79.9	8.2776
Cr 267.716	216.321	ppb	0.4896	0.2	10724.4
Cu 324.754	24.6743	ppb	0.3702	1.5	1101.40
Fe 271.441	1648.09	ppb	3.1067	0.2	3152.10
K 766.491	17384.4	ppb	16.6686	0.1	927118
Mg 279.078	2116.10	ppb	6.2034	0.3	5318.49
Mn 257.610	116.344	ppb	0.4061	0.3	29393.7
Mo 202.032	58.1710	ppb	0.8654	1.5	459.465
Na 330.237	36097.8	ppb	156.246	0.4	2138.98
Ni 231.604	87.6226	ppb	0.4996	0.6	265.069
Pb 220.353	2.4670	ppb	1.7807	72.2	8.8029
Sb 206.834	-1.5616	ppb	1.3193	84.5	4.0271
Se 196.026	-7.1356	ppb	4.7803	67.0	-0.8920
Sn 189.925	-0.5108	ppb	0.8755	171.4	-1.2955
Sr 216.596	171.549	ppb	1.0728	0.6	2066.92
Ti 334.941	16.7167	ppb	0.0461	0.3	4540.17
Tl 190.794	-2.2918	ppb	1.1689	51.0	-1.6700
V 292.401	3.0934	ppb	0.1613	5.2	61.1700
Zn 206.200	101.531	ppb	1.1918	1.2	102.655

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 4:38:43 AM Rack 2, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	480.123	480.672	486.726
Al 308.215	4722.06	4752.45	4771.91
As 188.980	473.713	481.301	477.690
B 249.678	492.744	494.749	496.406
Ba 389.178	4879.88	4910.49	4919.02
Be 313.042	470.290	472.572	473.933
Ca 370.602	4956	5015	5037
Cd 226.502	499.724	503.095	503.113
Co 228.615	500.867	503.968	503.164
Cr 267.716	4769.22	4803.36	4824.72
Cu 324.754	4827.99	4723.27	4776.15
Fe 271.441	4961.65	4989.02	4985.40
K 766.491	9587.69	9599.00	9622.70
Mg 279.078	4840.92	4868.69	4883.96
Mn 257.610	4886.28	4932.51	4932.09
Mo 202.032	494.297	496.704	500.548
Na 330.237	7484.17	7495.86	7352.45
Ni 231.604	2456.88	2464.59	2452.61
Pb 220.353	491.389	497.334	493.446
Sb 206.834	963.457	966.875	976.945
Se 196.026	4838.08	4882.72	4863.76
Sn 189.925	4911.28	5008.22	4966.03
Sr 216.596	2425.08	2442.45	2454.16
Ti 334.941	480.068	482.975	485.370
Tl 190.794	5119.95	5169.76	5156.87
V 292.401	4833.41	4864.07	4863.36
Zn 206.200	2489.12	2518.76	2531.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	482.507	ppb	3.6639	0.8	36545.1	96.50134
Al 308.215	4748.81	ppb	25.1226	0.5	24759.6	94.97614
As 188.980	477.568	ppb	3.7956	0.8	342.855	95.51365
B 249.678	494.633	ppb	1.8339	0.4	5936.51	19.78532Q
Ba 389.178	4903.13	ppb	20.5817	0.4	119205	98.06253
Be 313.042	472.265	ppb	1.8409	0.4	1001688	94.45296
Ca 370.602	5002	ppb	41.70	0.8	17944	100.04993
Cd 226.502	501.977	ppb	1.9516	0.4	19578.6	100.39547
Co 228.615	502.666	ppb	1.6091	0.3	6074.67	100.53326
Cr 267.716	4799.10	ppb	27.9944	0.6	237916	95.98204
Cu 324.754	4775.80	ppb	52.3622	1.1	229091	95.51604
Fe 271.441	4978.69	ppb	14.8673	0.3	9655.26	99.57384
K 766.491	9603.13	ppb	17.8672	0.2	512233	96.03132
Mg 279.078	4864.52	ppb	21.8203	0.4	12102.2	97.29043
Mn 257.610	4916.96	ppb	26.5699	0.5	1235974	98.33917
Mo 202.032	497.183	ppb	3.1529	0.6	3832.95	99.43664
Na 330.237	7444.16	ppb	79.6379	1.1	407.200	99.25548
Ni 231.604	2458.03	ppb	6.0678	0.2	7472.90	98.32108
Pb 220.353	494.056	ppb	3.0191	0.6	999.316	98.81124
Sb 206.834	969.092	ppb	7.0123	0.7	979.208	96.90923
Se 196.026	4861.52	ppb	22.4050	0.5	2640.09	97.23036
Sn 189.925	4961.84	ppb	48.6032	1.0	4701.00	99.23689
Sr 216.596	2440.56	ppb	14.6292	0.6	29255.9	97.62258
Ti 334.941	482.805	ppb	2.6551	0.5	133448	96.56090
Tl 190.794	5148.86	ppb	25.8515	0.5	5494.17	102.97718
V 292.401	4853.61	ppb	17.5000	0.4	144064	97.07223
Zn 206.200	2513.27	ppb	21.9219	0.9	4705.20	100.53065

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 4:45:09 AM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1550u	0.1165	0.6667
Al 308.215	2.5356	3.5598	-0.7408u
As 188.980	4.2012	-3.2890u	2.3787
B 249.678	5.1357	4.0355	3.2449
Ba 389.178	1.2580	0.4760	1.4050
Be 313.042	0.0884	0.1199	0.1477
Ca 370.602	-0.8719u	0.7451	1.494
Cd 226.502	0.1733	0.2596	0.2205
Co 228.615	-0.0859u	0.2428	-0.4245u
Cr 267.716	0.7291	1.1323	1.1776
Cu 324.754	0.8331	1.2233	1.6146
Fe 271.441	-3.7983u	-5.8445u	1.4948
K 766.491	4.5061	5.3991	5.6260
Mg 279.078	1.4094	-3.5095u	3.2057
Mn 257.610	0.6368	1.0264	1.2348
Mo 202.032	0.9599	-0.1981u	0.2149
Na 330.237	39.4591	35.4620	115.961
Ni 231.604	0.4756	1.9385	0.4738
Pb 220.353	-2.2441u	-0.5253u	0.3404
Sb 206.834	1.5343	-5.4184u	0.9007
Se 196.026	-5.6205u	-1.6296u	-0.7342u
Sn 189.925	0.5974	-1.3210u	0.6543
Sr 216.596	0.9146	0.8147	0.8083
Ti 334.941	0.1289	0.1477	0.1922
Tl 190.794	6.1666	3.1275	2.2907
V 292.401	0.7956	1.3630	1.6300
Zn 206.200	0.3323	0.7329	0.6764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2094	ppb	0.4186	199.9	-66.6815	0.20940
Al 308.215	1.7849	ppb	2.2465	125.9	98.4493	1.78487
As 188.980	1.0970	ppb	3.9061	356.1	-0.0202	1.09699
B 249.678	4.1387	ppb	0.9496	22.9	154.857	4.13869
Ba 389.178	1.0463	ppb	0.4994	47.7	14.5658	1.04634
Be 313.042	0.1187	ppb	0.0297	25.0	4.2379	0.11870
Ca 370.602	0.4556	ppb	1.209	265.4	-1.858	0.45564
Cd 226.502	0.2178	ppb	0.0432	19.8	16.9629	0.21776
Co 228.615	-0.0892	ppb	0.3336	374.1	3.8955	-0.08919
Cr 267.716	1.0130	ppb	0.2469	24.4	49.7790	1.01302
Cu 324.754	1.2237	ppb	0.3907	31.9	-26.0872	1.22366
Fe 271.441	-2.7160	ppb	3.7875	139.5	-4.9244	-2.71599
K 766.491	5.1771	ppb	0.5921	11.4	482.785	5.17707
Mg 279.078	0.3685	ppb	3.4765	943.3	28.3021	0.36855
Mn 257.610	0.9660	ppb	0.3035	31.4	371.798	0.96601
Mo 202.032	0.3256	ppb	0.5869	180.2	13.7474	0.32560
Na 330.237	63.6275	ppb	45.3664	71.3	-4.4710	63.62746
Ni 231.604	0.9626	ppb	0.8451	87.8	1.5200	0.96262
Pb 220.353	-0.8097	ppb	1.3155	162.5	2.2914	-0.80965
Sb 206.834	-0.9944	ppb	3.8443	386.6	3.2477	-0.99444
Se 196.026	-2.6614	ppb	2.6014	97.7	1.4924	-2.66144
Sn 189.925	-0.0231	ppb	1.1243	4863.9	-0.8614	-0.02312
Sr 216.596	0.8459	ppb	0.0596	7.0	16.7230	0.84588
Ti 334.941	0.1563	ppb	0.0325	20.8	-46.3989	0.15629
Tl 190.794	3.8616	ppb	2.0396	52.8	5.1957	3.86160
V 292.401	1.2629	ppb	0.4261	33.7	33.7681	1.26287
Zn 206.200	0.5805	ppb	0.2169	37.4	3.8563	0.58054

680-88797-a-4-a (Samp) 4/3/2013, 4:51:34 AM Rack 2, Tube 27

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7307	-0.2511u	0.5357
Al 308.215	389.962	391.962	392.030
As 188.980	0.9449	-6.9891u	1.8860
B 249.678	41.2393	40.2530	41.3416
Ba 389.178	40.0514	39.2539	38.6528
Be 313.042	0.0440	0.0389	0.0495
Ca 370.602	9091	9078	9109
Cd 226.502	0.2238	-0.0660	0.1795
Co 228.615	-0.0156u	0.0569	-0.1202u
Cr 267.716	0.7688	0.8907	0.7444
Cu 324.754	9.8253	9.1112	9.4786
Fe 271.441	1351.90	1357.86	1357.83
K 766.491	3557.04	3552.65	3567.60
Mg 279.078	1678.13	1673.86	1681.53
Mn 257.610	128.868	128.675	129.103
Mo 202.032	0.5093	0.2141	0.2497
Na 330.237	13110.6	13207.9	13027.8
Ni 231.604	0.1845	1.1255	2.3504
Pb 220.353	-1.9416u	-0.0148u	1.7314
Sb 206.834	-9.3459u	-4.5662u	-4.2892u
Se 196.026	-8.5306u	-5.4284u	-3.0261u
Sn 189.925	-2.0248u	-2.2450u	0.8624
Sr 216.596	47.9605	48.2754	47.7101
Ti 334.941	4.6302	4.6135	4.6579
Tl 190.794	-2.2898u	-2.3815u	-3.2533u
V 292.401	1.5689	1.4332	1.5316
Zn 206.200	27.7079	28.3388	28.5690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3384	ppb	0.5198	153.6	-58.5799
Al 308.215	391.318	ppb	1.1750	0.3	2123.63
As 188.980	-1.3861	ppb	4.8751	351.7	-1.7350
B 249.678	40.9446	ppb	0.6012	1.5	587.578
Ba 389.178	39.3194	ppb	0.7016	1.8	951.496
Be 313.042	0.0441	ppb	0.0053	12.1	-152.567
Ca 370.602	9093	ppb	15.67	0.2	32769
Cd 226.502	0.1124	ppb	0.1561	138.9	16.1907
Co 228.615	-0.0263	ppb	0.0890	338.3	4.7194
Cr 267.716	0.8013	ppb	0.0784	9.8	40.4274
Cu 324.754	9.4717	ppb	0.3571	3.8	370.153
Fe 271.441	1355.86	ppb	3.4335	0.3	2592.80
K 766.491	3559.09	ppb	7.6864	0.2	189973
Mg 279.078	1677.84	ppb	3.8439	0.2	4222.03
Mn 257.610	128.882	ppb	0.2145	0.2	32540.2
Mo 202.032	0.3244	ppb	0.1611	49.7	13.6663
Na 330.237	13115.4	ppb	90.1591	0.7	771.729
Ni 231.604	1.2201	ppb	1.0860	89.0	2.3352
Pb 220.353	-0.0750	ppb	1.8373	2450.3	3.7926
Sb 206.834	-6.0671	ppb	2.8429	46.9	-1.6036
Se 196.026	-5.6617	ppb	2.7597	48.7	-0.0914
Sn 189.925	-1.1358	ppb	1.7340	152.7	-1.9062
Sr 216.596	47.9820	ppb	0.2833	0.6	584.489
Ti 334.941	4.6339	ppb	0.0224	0.5	1198.53
Tl 190.794	-2.6415	ppb	0.5318	20.1	-2.0200
V 292.401	1.5113	ppb	0.0701	4.6	41.0736
Zn 206.200	28.2052	ppb	0.4458	1.6	557409

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88797-a-5-a (Samp) 4/3/2013, 4:57:59 AM Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4337u	0.0829	0.0503
Al 308.215	927.833	925.165	924.827
As 188.980	5.3579	3.5531	-2.1118u
B 249.678	100.062	100.960	100.445
Ba 389.178	113.906	114.932	113.707
Be 313.042	0.0621	0.0715	0.0485
Ca 370.602	34319	34169	34192
Cd 226.502	0.4299	-0.0077u	0.2680
Co 228.615	0.8220	1.2224	0.2880
Cr 267.716	3.0880	2.8240	2.7019
Cu 324.754	2.1732	2.6852	2.6507
Fe 271.441	444.297	448.425	445.250
K 766.491	61120.2x	61134.4x	60810.6x
Mg 279.078	6388.27	6391.39	6398.53
Mn 257.610	1502.00	1505.70	1503.70
Mo 202.032	5.1501	5.3460	5.5360
Na 330.237	533524x	526516x	534892x
Ni 231.604	4.0409	3.6100	3.5793
Pb 220.353	-0.0748	3.2474	0.7435
Sb 206.834	-5.0834u	-1.1453u	-7.3328u
Se 196.026	3.5397	-5.2481u	2.8981
Sn 189.925	-1.3812u	-1.9018u	-1.0085u
Sr 216.596	158.036	156.761	157.968
Ti 334.941	11.7791	11.7202	11.7054
Tl 190.794	1.1051u	-0.2846u	-2.2649u
V 292.401	4.6662	4.7217	4.4470
Zn 206.200	55.2979	55.6279	54.6882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1002b	ppb	0.2893	288.8	-91.0009
Al 308.215	925.941b	ppb	1.6466	0.2	4903.66
As 188.980	2.2664b	ppb	3.8975	172.0	1.1490
B 249.678	100.489b	ppb	0.4506	0.4	1291.34
Ba 389.178	114.182b	ppb	0.6572	0.6	2782.90
Be 313.042	0.0607b	ppb	0.0116	19.1	-180.769
Ca 370.602	34227b	ppb	80.97	0.2	123814
Cd 226.502	0.2301b	ppb	0.2212	96.2	15.5028
Co 228.615	0.7774b	ppb	0.4688	60.3	14.5011
Cr 267.716	2.8713b	ppb	0.1973	6.9	158.513
Cu 324.754	2.5030b	ppb	0.2861	11.4	35.5601
Fe 271.441	445.991b	ppb	2.1615	0.5	853.132
K 766.491	61021.7xb	ppb	183.029	0.3	3253803
Mg 279.078	6392.73b	ppb	5.2589	0.1	15989.5
Mn 257.610	1503.80b	ppb	1.8552	0.1	378137
Mo 202.032	5.3440b	ppb	0.1930	3.6	52.3939
Na 330.237	531644xb	ppb	4493.45	0.8	31638.5
Ni 231.604	3.7434b	ppb	0.2581	6.9	9.9864
Pb 220.353	1.3054b	ppb	1.7309	132.6	6.9045
Sb 206.834	-4.5205b	ppb	3.1319	69.3	-0.1866
Se 196.026	0.3966b	ppb	4.8989	1235.3	3.5558
Sn 189.925	-1.4305b	ppb	0.4487	31.4	-1.9617
Sr 216.596	157.588b	ppb	0.7173	0.5	1903.10
Ti 334.941	11.7349b	ppb	0.0390	0.3	3143.10
Tl 190.794	-0.4815b	ppb	1.6936	351.8	-1.7923
V 292.401	4.6116b	ppb	0.1453	3.1	127.758
Zn 206.200	55.2047b	ppb	0.4768	0.9	106.442

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88797-a-6-a (Samp) 4/3/2013, 5:04:24 AM Rack 2, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1821	0.1005	0.2793
Al 308.215	826.544	831.659	831.323
As 188.980	-0.4410u	-1.1680u	2.4407
B 249.678	58.8508	58.1165	58.5920
Ba 389.178	49.3781	48.9075	48.9980
Be 313.042	0.0591	0.0574	0.0653
Ca 370.602	15447	15503	15476
Cd 226.502	86.0452	86.1332	85.7616
Co 228.615	-0.1392u	0.2526	0.4714
Cr 267.716	66.5311	66.5259	66.5354
Cu 324.754	6.9074	6.8348	7.1231
Fe 271.441	2480.07	2483.24	2478.47
K 766.491	8229.87	8235.70	8222.05
Mg 279.078	1676.82	1681.15	1677.77
Mn 257.610	95.1788	95.1751	95.0045
Mo 202.032	18.9046	18.3964	18.6518
Na 330.237	16707.7	16373.2	16520.5
Ni 231.604	15.0227	14.6911	15.6150
Pb 220.353	1.0777	0.8013	1.7831
Sb 206.834	0.3729	-2.4135u	-0.1065
Se 196.026	-0.2801u	-9.8422u	2.1496
Sn 189.925	-1.6805u	-1.1775u	2.2743
Sr 216.596	86.4098	86.4743	86.3499
Ti 334.941	9.3892	9.4683	9.4373
Tl 190.794	-0.1654u	-5.9058u	-3.3737u
V 292.401	2.9203	2.8530	2.8879
Zn 206.200	75.0960	75.2382	75.8165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1873	ppb	0.0895	47.8	-72.0323
Al 308.215	829.842	ppb	2.8610	0.3	4405.65
As 188.980	0.2772	ppb	1.9086	688.5	-0.4941
B 249.678	58.5198	ppb	0.3725	0.6	793.661
Ba 389.178	49.0945	ppb	0.2497	0.5	1190.85
Be 313.042	0.0606	ppb	0.0042	6.9	-119.149
Ca 370.602	15475	ppb	28.03	0.2	55755
Cd 226.502	85.9800	ppb	0.1942	0.2	3364.45
Co 228.615	0.1949	ppb	0.3093	158.7	7.0599
Cr 267.716	66.5308	ppb	0.0048	0.0	3298.73
Cu 324.754	6.9551	ppb	0.1500	2.2	250.166
Fe 271.441	2480.59	ppb	2.4282	0.1	4743.51
K 766.491	8229.21	ppb	6.8514	0.1	438977
Mg 279.078	1678.58	ppb	2.2747	0.1	4224.59
Mn 257.610	95.1195	ppb	0.0996	0.1	24057.9
Mo 202.032	18.6509	ppb	0.2541	1.4	154.845
Na 330.237	16533.8	ppb	167.652	1.0	974.384
Ni 231.604	15.1096	ppb	0.4680	3.1	44.5962
Pb 220.353	1.2207	ppb	0.5063	41.5	6.3519
Sb 206.834	-0.7157	ppb	1.4898	208.2	3.9487
Se 196.026	-2.6576	ppb	6.3395	238.5	1.5354
Sn 189.925	-0.1946	ppb	2.1528	1106.4	-1.0099
Sr 216.596	86.4113	ppb	0.0622	0.1	1046.27
Ti 334.941	9.4316	ppb	0.0399	0.4	2525.19
Tl 190.794	-3.1483	ppb	2.8768	91.4	-2.5775
V 292.401	2.8871	ppb	0.0337	1.2	73.7039
Zn 206.200	75.3836	ppb	0.3816	0.5	144.105

680-88797-a-7-a (Samp) 4/3/2013, 5:11:00 AM Rack 2, Tube 30
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2095u	0.1658	0.3210
Al 308.215	427.094	424.827	424.720
As 188.980	-1.4566u	2.5793	-2.7823u
B 249.678	49.0143	47.6029	47.7368
Ba 389.178	42.6859	43.4756	43.8689
Be 313.042	0.0440	0.0401	0.0406
Ca 370.602	9314	9247	9219
Cd 226.502	0.6293	0.3686	0.6431
Co 228.615	0.5205	-0.0099u	0.5280
Cr 267.716	0.8767	0.9384	1.1025
Cu 324.754	10.3633	9.6964	9.6419
Fe 271.441	1397.02	1382.84	1382.79
K 766.491	4466.66	4455.46	4448.69
Mg 279.078	1833.23	1821.11	1823.07
Mn 257.610	154.909	154.045	153.387
Mo 202.032	0.6623	0.5697	0.3194
Na 330.237	17678.7	17352.9	17307.9
Ni 231.604	0.8766	2.1218	2.7295
Pb 220.353	1.3070	1.5283	-0.9859u
Sb 206.834	-0.6318u	-4.0793u	-4.3151u
Se 196.026	3.2464	-8.8339u	-5.4394u
Sn 189.925	-1.6114u	-1.7708u	-0.3790u
Sr 216.596	50.6140	50.0279	50.0236
Ti 334.941	5.9595	5.7242	5.9503
Tl 190.794	-5.1459u	0.9903	-0.2254u
V 292.401	1.3565	0.9503	0.9432
Zn 206.200	34.8651	34.4198	35.4283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0924	ppb	0.2727	295.0	-77.2742
Al 308.215	425.547	ppb	1.3410	0.3	2301.59
As 188.980	-0.5532	ppb	2.7926	504.8	-1.1340
B 249.678	48.1180	ppb	0.7791	1.6	672.186
Ba 389.178	43.3434	ppb	0.6025	1.4	1049.76
Be 313.042	0.0416	ppb	0.0021	5.1	-158.558
Ca 370.602	9260	ppb	48.70	0.5	33373
Cd 226.502	0.5470	ppb	0.1547	28.3	33.1738
Co 228.615	0.3462	ppb	0.3084	89.1	9.2455
Cr 267.716	0.9725	ppb	0.1167	12.0	49.1161
Cu 324.754	9.9005	ppb	0.4017	4.1	390.749
Fe 271.441	1387.55	ppb	8.2037	0.6	2653.40
K 766.491	4456.94	ppb	9.0762	0.2	237845
Mg 279.078	1825.80	ppb	6.5082	0.4	4591.66
Mn 257.610	154.114	ppb	0.7631	0.5	38883.0
Mo 202.032	0.5171	ppb	0.1774	34.3	15.1513
Na 330.237	17446.5	ppb	202.354	1.2	1029.47
Ni 231.604	1.9093	ppb	0.9446	49.5	4.4316
Pb 220.353	0.6165	ppb	1.3921	225.8	5.1906
Sb 206.834	-3.0087	ppb	2.0619	68.5	1.3371
Se 196.026	-3.6757	ppb	6.2303	169.5	0.9923
Sn 189.925	-1.2537	ppb	0.7617	60.8	-2.0161
Sr 216.596	50.2218	ppb	0.3396	0.7	611.420
Ti 334.941	5.8780	ppb	0.1333	2.3	1542.92
Tl 190.794	-1.4603	ppb	3.2491	222.5	-0.7992
V 292.401	1.0833	ppb	0.2366	21.8	28.2947
Zn 206.200	34.9044	ppb	0.5954	1.4	683222

680-88797-a-8-a (Samp) 4/3/2013, 5:17:26 AM Rack 2, Tube 31
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1519	-0.7857u	-0.3514u
Al 308.215	637.616	636.228	639.071
As 188.980	6.3829	1.8532	3.8026
B 249.678	91.2969	92.9938	93.0772
Ba 389.178	121.022	121.222	119.339
Be 313.042	0.0504	0.0493	0.0520
Ca 370.602	33228	33141	33125
Cd 226.502	0.0091u	0.1433	0.0842
Co 228.615	-0.4737u	0.1859	0.7320
Cr 267.716	2.2003	2.4283	2.1818
Cu 324.754	1.7996	1.8667	1.7112
Fe 271.441	345.456	353.430	356.332
K 766.491	59081.7x	59017.9x	58938.5x
Mg 279.078	5830.05	5827.77	5834.34
Mn 257.610	1542.25	1542.11	1544.78
Mo 202.032	2.0638	0.9009	1.7313
Na 330.237	509374x	511775x	511448x
Ni 231.604	3.7663	2.7835	3.3664
Pb 220.353	0.9542	0.6700	-1.4824u
Sb 206.834	-0.2307u	-1.3471u	-5.7148u
Se 196.026	-2.2739u	9.0683	13.5042
Sn 189.925	3.6448	0.8233	-0.0011
Sr 216.596	150.697	149.132	151.167
Ti 334.941	5.8970	5.8074	5.8728
Tl 190.794	5.6036	0.3316u	-2.0624u
V 292.401	3.9938	4.0973	4.1017
Zn 206.200	55.5027	55.3745	56.9827

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3284b	ppb	0.4692	142.9	-107.847
Al 308.215	637.639b	ppb	1.4218	0.2	3404.32
As 188.980	4.0129b	ppb	2.2721	56.6	2.3986
B 249.678	92.4560b	ppb	1.0047	1.1	1196.65
Ba 389.178	120.528b	ppb	1.0342	0.9	2935.45
Be 313.042	0.0506b	ppb	0.0013	2.6	-199.098
Ca 370.602	33165b	ppb	55.55	0.2	119980
Cd 226.502	0.0789b	ppb	0.0672	85.3	9.5070
Co 228.615	0.1481b	ppb	0.6037	407.7	6.8937
Cr 267.716	2.2701b	ppb	0.1373	6.0	128.459
Cu 324.754	1.7925b	ppb	0.0780	4.4	1.3291
Fe 271.441	351.740b	ppb	5.6318	1.6	672.906
K 766.491	59012.7xb	ppb	71.7444	0.1	3146681
Mg 279.078	5830.72b	ppb	3.3377	0.1	14583.1
Mn 257.610	1543.05b	ppb	1.4994	0.1	387996
Mo 202.032	1.5653b	ppb	0.5989	38.3	23.2776
Na 330.237	510866xb	ppb	1302.07	0.3	30401.7
Ni 231.604	3.3054b	ppb	0.4942	15.0	8.6525
Pb 220.353	0.0473b	ppb	1.3323	2819.7	4.3965
Sb 206.834	-2.4309b	ppb	2.8982	119.2	1.8674
Se 196.026	6.7662b	ppb	8.1371	120.3	7.0192
Sn 189.925	1.4890b	ppb	1.9119	128.4	0.7957
Sr 216.596	150.332b	ppb	1.0658	0.7	1815.97
Ti 334.941	5.8591b	ppb	0.0464	0.8	1517.28
Tl 190.794	1.2910b	ppb	3.9220	303.8	0.0466
V 292.401	4.0643b	ppb	0.0611	1.5	112.469
Zn 206.200	55.9533b	ppb	0.8938	287.6	107.851

680-88797-a-9-a (Samp) 4/3/2013, 5:23:51 AM Rack 2, Tube 32
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1886u	1.0043	0.4858
Al 308.215	409.356	415.183	414.940
As 188.980	-6.3181u	-1.9277u	5.0835
B 249.678	63.0204	64.1094	62.9522
Ba 389.178	35.0473	35.8033	35.4511
Be 313.042	0.0399	0.0409	0.0392
Ca 370.602	18716	18816	18801
Cd 226.502	48.0063	48.0733	48.1148
Co 228.615	0.7114	0.6218	0.6105
Cr 267.716	31.3020	30.8632	31.1514
Cu 324.754	12.2034	12.0894	12.7380
Fe 271.441	1176.98	1179.59	1171.59
K 766.491	12192.0	12156.7	12188.0
Mg 279.078	1671.88	1675.48	1685.14
Mn 257.610	81.3794	81.4459	81.8144
Mo 202.032	43.1597	43.0485	42.7052
Na 330.237	19998.0	19728.2	19884.9
Ni 231.604	8.8888	9.6753	7.7679
Pb 220.353	-1.9136u	-0.0250u	3.6999
Sb 206.834	-1.1068u	-7.5095u	5.0330
Se 196.026	-0.4986u	2.8057	-6.9029u
Sn 189.925	-1.8336u	-1.0896u	0.3162
Sr 216.596	110.592	111.383	110.919
Ti 334.941	6.1735	6.1689	6.2125
Tl 190.794	-1.7950u	-3.8143u	-3.6243u
V 292.401	0.9235	1.3121	1.1500
Zn 206.200	48.8230	46.6785	48.7682

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4338	ppb	0.5981	137.9	-54.5929
Al 308.215	413.160	ppb	3.2961	0.8	2242.37
As 188.980	-1.0541	ppb	5.7508	545.6	-1.4128
B 249.678	63.3606	ppb	0.6493	1.0	852.299
Ba 389.178	35.4339	ppb	0.3783	1.1	857.013
Be 313.042	0.0400	ppb	0.0009	2.2	-166.422
Ca 370.602	18778	ppb	53.92	0.3	67817
Cd 226.502	48.0648	ppb	0.0548	0.1	1883.96
Co 228.615	0.6479	ppb	0.0553	8.5	11.4943
Cr 267.716	31.1055	ppb	0.2230	0.7	1542.36
Cu 324.754	12.3436	ppb	0.3463	2.8	509.087
Fe 271.441	1176.05	ppb	4.0794	0.3	2249.10
K 766.491	12178.9	ppb	19.3423	0.2	649569
Mg 279.078	1677.50	ppb	6.8569	0.4	4222.02
Mn 257.610	81.5465	ppb	0.2343	0.3	20642.8
Mo 202.032	42.9711	ppb	0.2369	0.6	342.350
Na 330.237	19870.4	ppb	135.450	0.7	1173.71
Ni 231.604	8.7773	ppb	0.9586	10.9	25.3103
Pb 220.353	0.5871	ppb	2.8563	486.5	5.0432
Sb 206.834	-1.1944	ppb	6.2717	525.1	2.7977
Se 196.026	-1.5319	ppb	4.9361	322.2	2.1338
Sn 189.925	-0.8690	ppb	1.0918	125.6	-1.6460
Sr 216.596	110.965	ppb	0.3972	0.4	1340.08
Ti 334.941	6.1850	ppb	0.0239	0.4	1626.94
Tl 190.794	-3.0779	ppb	1.1151	36.2	-2.4233
V 292.401	1.1285	ppb	0.1952	17.3	18.4047
Zn 206.200	48.0899	ppb	1.2226	2.5	92.9747

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88797-a-9-aSD^5 (Samp) 4/3/2013, 5:30:17 AM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4443	0.6455	0.4797
Al 308.215	86.5527	86.0470	85.9700
As 188.980	-0.8913u	-1.7761u	-2.3405u
B 249.678	11.3498	10.5550	9.8087
Ba 389.178	6.5328	7.4091	7.5815
Be 313.042	0.0353	0.0292	0.0423
Ca 370.602	3944	3960	3922
Cd 226.502	10.1050	10.0261	10.1311
Co 228.615	-0.1682u	-0.3087u	0.5163
Cr 267.716	6.6473	6.7659	6.7571
Cu 324.754	3.3777	3.3331	2.8050
Fe 271.441	251.277	253.810	251.641
K 766.491	2671.73	2692.77	2667.59
Mg 279.078	354.130	353.843	358.289
Mn 257.610	17.3991	17.6099	17.7575
Mo 202.032	8.7401	9.2270	8.1523
Na 330.237	4314.16	4338.50	4472.41
Ni 231.604	3.2617	2.0896	1.6646
Pb 220.353	-0.1026u	-1.4673u	-0.8222u
Sb 206.834	-4.6975u	-0.4839u	2.9730
Se 196.026	-8.6682u	-4.3845u	4.3620
Sn 189.925	-1.5872u	1.2776	-1.1497u
Sr 216.596	22.7644	23.1929	22.7462
Ti 334.941	1.3464	1.3371	1.3203
Tl 190.794	-0.5967u	-1.3878u	-3.3893u
V 292.401	0.9751	0.5244	0.7326
Zn 206.200	12.2300	14.3403	18.8329

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5232	ppb	0.1075	20.5	-43.8347
Al 308.215	86.1899	ppb	0.3166	0.4	538.318
As 188.980	-1.6693	ppb	0.7305	43.8	-1.9790
B 249.678	10.5711	ppb	0.7707	7.3	230.472
Ba 389.178	7.1745	ppb	0.5623	7.8	164.913
Be 313.042	0.0356	ppb	0.0066	18.4	-172.830
Ca 370.602	3942	ppb	19.33	0.5	14234
Cd 226.502	10.0874	ppb	0.0547	0.5	402.094
Co 228.615	0.0131	ppb	0.4414	3360.0	4.8677
Cr 267.716	6.7235	ppb	0.0661	1.0	333.037
Cu 324.754	3.1719	ppb	0.3185	10.0	67.7230
Fe 271.441	252.242	ppb	1.3693	0.5	482.544
K 766.491	2677.36	ppb	13.4996	0.5	142960
Mg 279.078	355.421	ppb	2.4881	0.7	916.130
Mn 257.610	17.5888	ppb	0.1801	1.0	4553.56
Mo 202.032	8.7065	ppb	0.5381	6.2	78.3257
Na 330.237	4375.03	ppb	85.2146	1.9	251.955
Ni 231.604	2.3387	ppb	0.8272	35.4	5.7101
Pb 220.353	-0.7974	ppb	0.6827	85.6	2.3038
Sb 206.834	-0.7361	ppb	3.8415	521.8	3.4418
Se 196.026	-2.8969	ppb	6.6413	229.3	1.3708
Sn 189.925	-0.4864	ppb	1.5433	317.3	-1.2968
Sr 216.596	22.9012	ppb	0.2528	1.1	281.801
Ti 334.941	1.3346	ppb	0.0132	1.0	280.739
Tl 190.794	-1.7912	ppb	1.4394	80.4	-0.8845
V 292.401	0.7441	ppb	0.2256	30.3	16.0596
Zn 206.200	15.1344	ppb	3.3723	22.3	311.695

680-88797-a-9-aPDS (Samp) 4/3/2013, 5:36:43 AM Rack 2, Tube 34

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	47.2754	48.5076	47.9861
Al 308.215	2262.77	2257.66	2254.81
As 188.980	2188.58	2185.65	2199.64
B 249.678	1009.62	1015.86	1019.82
Ba 389.178	2177.36	2175.87	2174.94
Be 313.042	51.2273	51.2004	51.1689
Ca 370.602	23463	23460	23454
Cd 226.502	100.945	100.768	101.306
Co 228.615	544.320	548.054	545.972
Cr 267.716	237.869	237.515	237.330
Cu 324.754	272.171	275.797	273.068
Fe 271.441	2159.80	2162.92	2166.78
K 766.491	16938.6	16968.6	16973.7
Mg 279.078	6635.88	6629.56	6628.20
Mn 257.610	620.993	620.736	621.692
Mo 202.032	566.938	564.933	567.066
Na 330.237	24285.3	24172.5	24260.8
Ni 231.604	533.701	536.298	534.343
Pb 220.353	504.298	500.768	501.005
Sb 206.834	482.676	490.861	474.401
Se 196.026	1984.53	1969.44	1996.26
Sn 189.925	1037.80	1034.81	1032.40
Sr 216.596	627.328	624.878	627.191
Ti 334.941	991.152	990.507	988.505
Tl 190.794	2140.06	2138.30	2136.70
V 292.401	501.761	502.295	502.784
Zn 206.200	572.875	573.031	569.672

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.9230	ppb	0.6185	1.3	3537.42
Al 308.215	2258.41	ppb	4.0307	0.2	11891.4
As 188.980	2191.29	ppb	7.3770	0.3	1576.86
B 249.678	1015.10	ppb	5.1456	0.5	12081.0
Ba 389.178	2176.06	ppb	1.2176	0.1	52908.7
Be 313.042	51.1988	ppb	0.0292	0.1	108287
Ca 370.602	23459	ppb	4.561	0.0	84890
Cd 226.502	101.006	ppb	0.2746	0.3	3949.26
Co 228.615	546.115	ppb	1.8713	0.3	6597.53
Cr 267.716	237.571	ppb	0.2738	0.1	11778.5
Cu 324.754	273.679	ppb	1.8883	0.7	13061.1
Fe 271.441	2163.17	ppb	3.4928	0.2	4233.32
K 766.491	16960.3	ppb	18.9571	0.1	904507
Mg 279.078	6631.21	ppb	4.0969	0.1	16602.5
Mn 257.610	621.140	ppb	0.4950	0.1	156307
Mo 202.032	566.313	ppb	1.1962	0.2	4374.61
Na 330.237	24239.5	ppb	59.3066	0.2	1419.86
Ni 231.604	534.781	ppb	1.3526	0.3	1624.77
Pb 220.353	502.023	ppb	1.9733	0.4	1013.84
Sb 206.834	482.646	ppb	8.2305	1.7	463.250
Se 196.026	1983.41	ppb	13.4447	0.7	1078.47
Sn 189.925	1035.00	ppb	2.7037	0.3	979.949
Sr 216.596	626.466	ppb	1.3764	0.2	7501.20
Ti 334.941	990.055	ppb	1.3802	0.1	273731
Tl 190.794	2138.35	ppb	1.6828	0.1	2283.79
V 292.401	502.280	ppb	0.5119	0.1	14827.7
Zn 206.200	571.859	ppb	1.8961	0.3	1075.94

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88797-a-9-b ms (Samp) 4/3/2013, 5:43:09 AM Rack 2, Tube 35**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.8939	19.6394	20.2000
Al 308.215	5024.85	5041.06	5050.91
As 188.980	104.150	100.895	108.207
B 249.678	262.117	262.372	262.809
Ba 389.178	139.631	140.695	139.617
Be 313.042	50.5810	50.6277	50.6650
Ca 370.602	23811	23817	23885
Cd 226.502	102.899	102.734	103.181
Co 228.615	53.2580	53.7597	53.6718
Cr 267.716	132.116	132.474	133.124
Cu 324.754	114.372	113.403	113.927
Fe 271.441	6106.11	6116.12	6101.66
K 766.491	17252.2	17184.2	17156.0
Mg 279.078	6475.54	6486.41	6502.27
Mn 257.610	610.526	612.179	612.486
Mo 202.032	144.822	144.742	144.992
Na 330.237	24840.1	24872.5	24637.0
Ni 231.604	107.952	111.655	108.041
Pb 220.353	50.1093	51.1153	50.5467
Sb 206.834	42.6523	43.9578	38.0540
Se 196.026	87.6112	108.461	98.2724
Sn 189.925	193.584	194.949	196.396
Sr 216.596	210.845	210.797	211.596
Ti 334.941	101.017	101.057	101.314
Tl 190.794	42.0956	41.7270	38.4538
V 292.401	100.430	100.576	100.553
Zn 206.200	150.915	151.502	149.694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.9111	ppb	0.2807	1.4	1424.63
Al 308.215	5038.94	ppb	13.1620	0.3	26302.1
As 188.980	104.417	ppb	3.6633	3.5	74.4826
B 249.678	262.433	ppb	0.3502	0.1	3195.51
Ba 389.178	139.981	ppb	0.6187	0.4	3419.56
Be 313.042	50.6246	ppb	0.0421	0.1	107161
Ca 370.602	23838	ppb	41.07	0.2	85710
Cd 226.502	102.938	ppb	0.2262	0.2	4034.23
Co 228.615	53.5632	ppb	0.2679	0.5	648.612
Cr 267.716	132.571	ppb	0.5109	0.4	6575.51
Cu 324.754	113.901	ppb	0.4847	0.4	5386.36
Fe 271.441	6107.96	ppb	7.4104	0.1	11689.2
K 766.491	17197.5	ppb	49.4977	0.3	917152
Mg 279.078	6488.07	ppb	13.4388	0.2	16244.5
Mn 257.610	611.730	ppb	1.0543	0.2	153952
Mo 202.032	144.852	ppb	0.1278	0.1	1127.07
Na 330.237	24783.2	ppb	127.640	0.5	1462.71
Ni 231.604	109.216	ppb	2.1129	1.9	330.835
Pb 220.353	50.5904	ppb	0.5044	1.0	105.585
Sb 206.834	41.5547	ppb	3.1012	7.5	44.0179
Se 196.026	98.1149	ppb	10.4258	10.6	56.3334
Sn 189.925	194.976	ppb	1.4067	0.7	183.941
Sr 216.596	211.079	ppb	0.4480	0.2	2539.23
Ti 334.941	101.129	ppb	0.1613	0.2	27905.0
Tl 190.794	40.7588	ppb	2.0047	4.9	43.3355
V 292.401	100.520	ppb	0.0784	0.1	2949.91
Zn 206.200	150.703	ppb	0.9222	0.6	285.320

680-88797-a-9-c msd (Samp) 4/3/2013, 5:49:35 AM Rack 2, Tube 36
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	18.7921	18.5283	19.0734
Al 308.215	5239.46	5236.85	5238.46
As 188.980	107.079	101.933	106.482
B 249.678	254.892	255.690	256.895
Ba 389.178	141.265	140.686	141.128
Be 313.042	51.1815	51.1498	51.1217
Ca 370.602	24015	24019	24026
Cd 226.502	103.433	104.025	104.119
Co 228.615	54.0263	53.7996	54.2064
Cr 267.716	138.656	138.919	138.428
Cu 324.754	116.797	116.734	118.060
Fe 271.441	6272.65	6291.82	6270.57
K 766.491	17195.7	17246.6	17231.3
Mg 279.078	6554.65	6560.92	6544.95
Mn 257.610	618.126	619.115	617.164
Mo 202.032	148.860	149.403	148.010
Na 330.237	24843.2	24854.7	24951.0
Ni 231.604	112.680	110.775	112.613
Pb 220.353	47.1650	50.4101	53.9508
Sb 206.834	41.1892	49.2633	43.0390
Se 196.026	87.6480	94.1308	103.908
Sn 189.925	200.766	200.105	196.343
Sr 216.596	213.340	214.443	214.159
Ti 334.941	105.726	105.939	105.836
Tl 190.794	36.9208	37.2201	37.3244
V 292.401	101.670	101.690	101.341
Zn 206.200	153.602	152.734	151.796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.7979	ppb	0.2726	1.5	1339.96
Al 308.215	5238.26	ppb	1.3133	0.0	27338.7
As 188.980	105.165	ppb	2.8147	2.7	75.0184
B 249.678	255.826	ppb	1.0085	0.4	3117.34
Ba 389.178	141.026	ppb	0.3026	0.2	3445.42
Be 313.042	51.1510	ppb	0.0299	0.1	108278
Ca 370.602	24020	ppb	5.290	0.0	86354
Cd 226.502	103.859	ppb	0.3719	0.4	4070.57
Co 228.615	54.0108	ppb	0.2038	0.4	654.013
Cr 267.716	138.668	ppb	0.2457	0.2	6877.84
Cu 324.754	117.197	ppb	0.7482	0.6	5544.70
Fe 271.441	6278.35	ppb	11.7138	0.2	12015.2
K 766.491	17224.5	ppb	26.1321	0.2	918596
Mg 279.078	6553.51	ppb	8.0431	0.1	16408.0
Mn 257.610	618.135	ppb	0.9757	0.2	155563
Mo 202.032	148.758	ppb	0.7021	0.5	1157.16
Na 330.237	24882.9	ppb	59.1858	0.2	1468.53
Ni 231.604	112.023	ppb	1.0808	1.0	339.374
Pb 220.353	50.5086	ppb	3.3940	6.7	105.408
Sb 206.834	44.4971	ppb	4.2300	9.5	46.8588
Se 196.026	95.2290	ppb	8.1856	8.6	54.7715
Sn 189.925	199.072	ppb	2.3857	1.2	187.822
Sr 216.596	213.981	ppb	0.5724	0.3	2573.97
Ti 334.941	105.834	ppb	0.1064	0.1	29206.4
Tl 190.794	37.1551	ppb	0.2095	0.6	39.4671
V 292.401	101.567	ppb	0.1958	0.2	2979.99
Zn 206.200	152.711	ppb	0.9935	0.6	289.068

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 5:56:01 AM Rack 2, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	479.605	475.121	483.852
Al 308.215	4751.72	4750.68	4761.85
As 188.980	484.178	469.930	482.942
B 249.678	494.353	495.025	498.968
Ba 389.178	4951.50	4942.00	4960.54
Be 313.042	471.367	470.386	471.626
Ca 370.602	5012	4998	5017
Cd 226.502	506.994	504.245	507.159
Co 228.615	506.267	504.196	508.234
Cr 267.716	4799.18	4792.74	4810.35
Cu 324.754	4735.61	4691.16	4732.58
Fe 271.441	5006.60	4993.69	5022.81
K 766.491	9720.59	9709.95	9765.77
Mg 279.078	4889.83	4877.93	4881.97
Mn 257.610	4929.33	4926.97	4943.03
Mo 202.032	497.461	497.221	497.839
Na 330.237	7311.41	7058.01	7471.44
Ni 231.604	2448.74	2445.99	2466.28
Pb 220.353	496.756	496.385	495.613
Sb 206.834	960.271	954.551	962.534
Se 196.026	4877.40	4867.09	4895.68
Sn 189.925	5018.03	4974.54	5017.00
Sr 216.596	2448.52	2445.29	2451.74
Ti 334.941	482.688	482.788	485.040
Tl 190.794	5205.71	5213.36	5224.26
V 292.401	4873.71	4863.52	4885.45
Zn 206.200	2505.14	2496.05	2508.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	479.526	ppb	4.3658	0.9	36316.8	95.90515
Al 308.215	4754.75	ppb	6.1722	0.1	24790.6	95.09503
As 188.980	479.017	ppb	7.8936	1.6	343.896	95.80338
B 249.678	496.115	ppb	2.4929	0.5	5953.97	19.84462Q
Ba 389.178	4951.35	ppb	9.2691	0.2	120377	99.02692
Be 313.042	471.126	ppb	0.6538	0.1	999271	94.22526
Ca 370.602	5009	ppb	9.910	0.2	17967	100.17948
Cd 226.502	506.133	ppb	1.6370	0.3	19740.5	101.22655
Co 228.615	506.232	ppb	2.0190	0.4	6117.68	101.24649
Cr 267.716	4800.76	ppb	8.9120	0.2	237998	96.01516
Cu 324.754	4719.78	ppb	24.8330	0.5	226403	94.39568
Fe 271.441	5007.70	ppb	14.5916	0.3	9711.15	100.15398
K 766.491	9732.10	ppb	29.6385	0.3	519109	97.32104
Mg 279.078	4883.24	ppb	6.0544	0.1	12148.8	97.66489
Mn 257.610	4933.11	ppb	8.6683	0.2	1240034	98.66225
Mo 202.032	497.507	ppb	0.3117	0.1	3835.41	99.50145
Na 330.237	7280.29	ppb	208.467	2.9	397.484	97.07047
Ni 231.604	2453.67	ppb	11.0078	0.4	7459.66	98.14690
Pb 220.353	496.251	ppb	0.5827	0.1	1003.73	99.25029
Sb 206.834	959.119	ppb	4.1144	0.4	969.808	95.91188
Se 196.026	4880.06	ppb	14.4798	0.3	2650.14	97.60117
Sn 189.925	5003.19	ppb	24.8189	0.5	4740.18	100.06379
Sr 216.596	2448.52	ppb	3.2296	0.1	29351.4	97.94067
Ti 334.941	483.505	ppb	1.3297	0.3	133642	96.70110
Tl 190.794	5214.44	ppb	9.3201	0.2	5564.20	104.28889
V 292.401	4874.23	ppb	10.9705	0.2	144675	97.48456
Zn 206.200	2503.24	ppb	6.4451	0.3	4686.28	100.12943

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 6:02:26 AM Rack 2, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1654	-0.9106u	0.2426
Al 308.215	-1.2156u	2.1270	2.9868
As 188.980	0.7491	-1.7873u	3.3656
B 249.678	7.0763	6.1025	6.0384
Ba 389.178	0.1033	0.6626	1.9948
Be 313.042	0.0766	0.1394	0.2586
Ca 370.602	1.383	5.456	9.018
Cd 226.502	-0.0110u	0.0944	0.4253
Co 228.615	-0.2762u	0.0736	0.4501
Cr 267.716	0.6920	1.2303	2.4820
Cu 324.754	1.4466	1.1130	3.2043
Fe 271.441	2.4107	-2.3701u	5.4126
K 766.491	3.4437	5.9206	12.4407
Mg 279.078	2.9954	0.3185	1.6674
Mn 257.610	0.3727	1.2451	2.8119
Mo 202.032	0.2188	0.3722	0.5581
Na 330.237	33.0356	35.2335	121.085
Ni 231.604	1.4479	0.7845	1.0869
Pb 220.353	-2.9653u	-0.9141u	0.7687
Sb 206.834	-1.9611u	2.6802	4.4428
Se 196.026	-3.7633u	2.4025	0.2050
Sn 189.925	1.3933	1.6004	4.9182
Sr 216.596	0.6499	1.2726	1.3524
Ti 334.941	0.1131	0.1840	0.3524
Tl 190.794	0.0260	2.9087	7.0460
V 292.401	0.6558	1.7874	3.1790
Zn 206.200	1.7109	2.3756	5.9173

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1658	ppb	1.0402	627.3	-69.9999	0.16581
Al 308.215	1.2994	ppb	2.2201	170.9	95.9454	1.29941
As 188.980	0.7758	ppb	2.5766	332.1	-0.2515	0.77580
B 249.678	6.4057	ppb	0.5816	9.1	181.604	6.40575
Ba 389.178	0.9202	ppb	0.9717	105.6	11.5078	0.92024
Be 313.042	0.1582	ppb	0.0925	58.4	87.9939	0.15820
Ca 370.602	5.286	ppb	3.821	72.3	15.51	5.28573
Cd 226.502	0.1696	ppb	0.2277	134.3	15.0882	0.16956
Co 228.615	0.0825	ppb	0.3632	440.4	5.9579	0.08247
Cr 267.716	1.4681	ppb	0.9184	62.6	72.3417	1.46811
Cu 324.754	1.9213	ppb	1.1236	58.5	7.3979	1.92134
Fe 271.441	1.8177	ppb	3.9251	215.9	3.7280	1.81774
K 766.491	7.2683	ppb	4.6475	63.9	594.288	7.26834
Mg 279.078	1.6605	ppb	1.3384	80.6	31.5242	1.66045
Mn 257.610	1.4766	ppb	1.2360	83.7	500.136	1.47660
Mo 202.032	0.3830	ppb	0.1699	44.4	14.1888	0.38304
Na 330.237	63.1179	ppb	50.2127	79.6	-4.5276	63.11792
Ni 231.604	1.1064	ppb	0.3321	30.0	1.9574	1.10645
Pb 220.353	-1.0369	ppb	1.8701	180.3	1.8332	-1.03691
Sb 206.834	1.7206	ppb	3.3081	192.3	5.8591	1.72063
Se 196.026	-0.3853	ppb	3.1250	811.0	2.7266	-0.38530
Sn 189.925	2.6373	ppb	1.9780	75.0	1.6596	2.63728
Sr 216.596	1.0916	ppb	0.3846	35.2	19.6776	1.09164
Ti 334.941	0.2165	ppb	0.1229	56.8	-29.7562	0.21648
Tl 190.794	3.3269	ppb	3.5286	106.1	4.6240	3.32689
V 292.401	1.8741	ppb	1.2639	67.4	51.8753	1.87407
Zn 206.200	3.3346	ppb	2.2613	67.8	9.0269	3.33459

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271523/1-a (Samp) 4/3/2013, 6:08:52 AM Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5743	-0.0907u	0.7233
Al 308.215	2.7938	0.0372	-0.6592u
As 188.980	2.8129	1.6779	0.8355
B 249.678	2.4983	1.7935	1.1129
Ba 389.178	0.3106	-0.6374u	-0.8127u
Be 313.042	0.0137	0.0173	0.0219
Ca 370.602	3.309	-0.9151u	1.665
Cd 226.502	-0.1363u	0.0421	0.0317
Co 228.615	-0.1002u	0.0394	0.3264
Cr 267.716	-0.0875u	-0.0667u	0.0653
Cu 324.754	0.2835	0.5203	0.9543
Fe 271.441	2.5097	-0.1542u	8.9258
K 766.491	0.6949	0.3772	0.4367
Mg 279.078	-1.5702u	-0.8105u	-2.1770u
Mn 257.610	-0.1405u	-0.1313u	-0.1730u
Mo 202.032	0.2762	-0.1455u	-0.0146u
Na 330.237	236.275	219.033	293.743
Ni 231.604	0.6035	-0.8076u	0.0943
Pb 220.353	-1.2759u	0.2579	-1.7965u
Sb 206.834	-1.1729u	-5.7482u	-1.6574u
Se 196.026	-5.2673u	-11.0670u	-5.8168u
Sn 189.925	-1.5369u	-1.1079u	-2.2175u
Sr 216.596	0.5680	0.4203	0.6291
Ti 334.941	-0.0046u	0.1127	0.1400
Tl 190.794	-1.0708u	-2.4532u	-0.2178u
V 292.401	-0.0561u	-0.1883u	0.0797
Zn 206.200	-0.5196u	1.2272	0.0650

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4023	ppb	0.4334	107.7	-52.0022
Al 308.215	0.7239	ppb	1.8261	252.3	92.9698
As 188.980	1.7754	ppb	0.9923	55.9	0.4682
B 249.678	1.8015	ppb	0.6927	38.5	127.280
Ba 389.178	-0.3798	ppb	0.6043	159.1	-20.1106
Be 313.042	0.0176	ppb	0.0041	23.4	-210.294
Ca 370.602	1.353	ppb	2.130	157.4	1.326
Cd 226.502	-0.0208	ppb	0.1001	480.3	7.6652
Co 228.615	0.0885	ppb	0.2175	245.7	6.0278
Cr 267.716	-0.0296	ppb	0.0829	279.6	-1.9034
Cu 324.754	0.5860	ppb	0.3402	58.0	-56.6728
Fe 271.441	3.7604	ppb	4.6674	124.1	7.4253
K 766.491	0.5029	ppb	0.1689	33.6	233.566
Mg 279.078	-1.5192	ppb	0.6847	45.1	23.6017
Mn 257.610	-0.1483	ppb	0.0219	14.8	91.7194
Mo 202.032	0.0387	ppb	0.2159	557.5	11.5391
Na 330.237	249.683	ppb	39.1186	15.7	6.6084
Ni 231.604	-0.0366	ppb	0.7146	1952.3	-1.5184
Pb 220.353	-0.9382	ppb	1.0681	113.8	2.0321
Sb 206.834	-2.8595	ppb	2.5134	87.9	1.4449
Se 196.026	-7.3837	ppb	3.2016	43.4	-1.0682
Sn 189.925	-1.6207	ppb	0.5595	34.5	-2.3752
Sr 216.596	0.5391	ppb	0.1074	19.9	13.0511
Ti 334.941	0.0827	ppb	0.0768	92.9	-66.7829
Tl 190.794	-1.2473	ppb	1.1281	90.4	-0.2590
V 292.401	-0.0549	ppb	0.1340	244.1	-5.4308
Zn 206.200	0.2575	ppb	0.8891	345.3	2.2530

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271523/2-a (Samp) 4/3/2013, 6:15:18 AM Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	25.1421	26.5040	26.6504
Al 308.215	4600.48	4580.68	4582.79
As 188.980	107.922	102.262	100.476
B 249.678	180.259	182.519	182.472
Ba 389.178	104.569	105.037	104.833
Be 313.042	50.3043	50.2394	50.3210
Ca 370.602	4910	4904	4903
Cd 226.502	54.5019	53.7756	54.0997
Co 228.615	54.3323	52.9884	53.7991
Cr 267.716	101.379	100.941	101.103
Cu 324.754	102.288	103.077	102.449
Fe 271.441	4935.69	4916.71	4921.10
K 766.491	4995.87	4992.99	5010.26
Mg 279.078	4830.57	4828.19	4817.61
Mn 257.610	532.052	530.785	530.947
Mo 202.032	99.6716	99.6356	100.856
Na 330.237	4419.00	4508.98	4387.35
Ni 231.604	102.886	102.049	101.567
Pb 220.353	49.5205	50.4778	49.7893
Sb 206.834	46.0776	38.7074	49.2131
Se 196.026	94.7805	93.6045	85.6605
Sn 189.925	198.264	200.396	196.537
Sr 216.596	101.672	101.795	101.600
Ti 334.941	95.5162	95.4049	95.6440
Tl 190.794	38.0105	42.9026	37.6285
V 292.401	99.4492	99.0412	99.6420
Zn 206.200	104.687	104.734	105.788

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	26.0988	ppb	0.8318	3.2	1900.11
Al 308.215	4587.99	ppb	10.8739	0.2	23952.3
As 188.980	103.553	ppb	3.8877	3.8	73.7030
B 249.678	181.750	ppb	1.2916	0.7	2244.84
Ba 389.178	104.813	ppb	0.2344	0.2	2558.16
Be 313.042	50.2882	ppb	0.0431	0.1	106451
Ca 370.602	4906	ppb	3.802	0.1	17332
Cd 226.502	54.1257	ppb	0.3639	0.7	2129.62
Co 228.615	53.7066	ppb	0.6767	1.3	651.681
Cr 267.716	101.141	ppb	0.2213	0.2	5016.62
Cu 324.754	102.605	ppb	0.4172	0.4	4842.72
Fe 271.441	4924.50	ppb	9.9389	0.2	9426.29
K 766.491	4999.71	ppb	9.2514	0.2	266784
Mg 279.078	4825.46	ppb	6.9010	0.1	12087.1
Mn 257.610	531.261	ppb	0.6897	0.1	133709
Mo 202.032	100.054	ppb	0.6945	0.7	781.888
Na 330.237	4438.44	ppb	63.1024	1.4	252.482
Ni 231.604	102.167	ppb	0.6674	0.7	309.374
Pb 220.353	49.9292	ppb	0.4937	1.0	104.317
Sb 206.834	44.6660	ppb	5.3932	12.1	47.2682
Se 196.026	91.3485	ppb	4.9609	5.4	52.6357
Sn 189.925	198.399	ppb	1.9332	1.0	187.167
Sr 216.596	101.689	ppb	0.0985	0.1	1224.65
Ti 334.941	95.5217	ppb	0.1196	0.1	26348.3
Tl 190.794	39.5139	ppb	2.9409	7.4	42.2153
V 292.401	99.3775	ppb	0.3068	0.3	2927.62
Zn 206.200	105.069	ppb	0.6221	0.6	100.728

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271523/3-a (Samp) 4/3/2013, 6:21:43 AM Rack 2, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	192.447	192.746	194.973
Al 308.215	1835.43	1838.89	1837.73
As 188.980	209.291	214.767	212.441
B 249.678	363.468	364.006	366.854
Ba 389.178	202.304	201.939	201.796
Be 313.042	199.385	199.473	199.047
Ca 370.602	19530	19547	19508
Cd 226.502	208.305	208.938	209.031
Co 228.615	209.780	209.109	208.503
Cr 267.716	199.490	199.608	199.234
Cu 324.754	203.684	201.544	203.104
Fe 271.441	20339.3	20389.7	20318.8
K 766.491	19267.9	19240.4	19129.2
Mg 279.078	19320.3	19341.1	19309.3
Mn 257.610	2107.35	2112.95	2110.74
Mo 202.032	199.062	198.424	197.634
Na 330.237	16652.1	16183.9	16651.3
Ni 231.604	199.411	200.752	201.008
Pb 220.353	196.246	193.177	195.160
Sb 206.834	180.630	186.986	186.666
Se 196.026	191.855	188.789	198.065
Sn 189.925	194.991	194.168	192.603
Sr 216.596	210.288	208.094	207.055
Ti 334.941	189.390	189.176	188.720
Tl 190.794	40.2728	39.5133	43.4356
V 292.401	194.850	194.788	194.866
Zn 206.200	197.242	194.126	195.623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	193.389	ppb	1.3804	0.7	14623.6
Al 308.215	1837.35	ppb	1.7596	0.1	9662.61
As 188.980	212.166	ppb	2.7483	1.3	151.832
B 249.678	364.776	ppb	1.8198	0.5	4386.55
Ba 389.178	202.013	ppb	0.2622	0.1	4984.29
Be 313.042	199.302	ppb	0.2246	0.1	422662
Ca 370.602	19528	ppb	19.63	0.1	68891
Cd 226.502	208.758	ppb	0.3952	0.2	8192.95
Co 228.615	209.131	ppb	0.6387	0.3	2524.74
Cr 267.716	199.444	ppb	0.1912	0.1	9899.24
Cu 324.754	202.777	ppb	1.1072	0.5	9656.43
Fe 271.441	20349.3	ppb	36.4847	0.2	38946.1
K 766.491	19212.5	ppb	73.4223	0.4	1024592
Mg 279.078	19323.5	ppb	16.1320	0.1	48326.8
Mn 257.610	2110.35	ppb	2.8202	0.1	530759
Mo 202.032	198.373	ppb	0.7154	0.4	1538.62
Na 330.237	16495.8	ppb	270.073	1.6	963.297
Ni 231.604	200.391	ppb	0.8578	0.4	608.408
Pb 220.353	194.861	ppb	1.5560	0.8	396.549
Sb 206.834	184.761	ppb	3.5812	1.9	182.977
Se 196.026	192.903	ppb	4.7261	2.4	108.217
Sn 189.925	193.921	ppb	1.2134	0.6	182.935
Sr 216.596	208.479	ppb	1.6508	0.8	2509.95
Ti 334.941	189.095	ppb	0.3423	0.2	52291.1
Tl 190.794	41.0739	ppb	2.0803	5.1	40.6913
V 292.401	194.835	ppb	0.0413	0.0	5743.01
Zn 206.200	195.664	ppb	1.5583	0.8	369.508

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-1-a (Samp) 4/3/2013, 6:28:09 AM Rack 2, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4047	0.4263	0.2457
Al 308.215	94.3480	93.5403	90.8950
As 188.980	-3.1235u	2.8063	1.3232
B 249.678	16.5653	15.7890	15.7902
Ba 389.178	62.4852	62.7787	64.0024
Be 313.042	0.0231	0.0193	0.0227
Ca 370.602	20554	20547	20553
Cd 226.502	0.1277	-0.0475u	0.1220
Co 228.615	-0.1985u	-0.6349u	-0.7002u
Cr 267.716	0.3306	0.4882	0.3042
Cu 324.754	1.1792	1.4909	1.7987
Fe 271.441	121.726	131.493	127.631
K 766.491	1655.15	1651.78	1653.74
Mg 279.078	4669.05	4669.60	4668.19
Mn 257.610	28.8287	28.7779	28.7386
Mo 202.032	0.1268	0.3665	-0.2014u
Na 330.237	9821.47	9873.87	9817.08
Ni 231.604	0.1931	1.0737	0.9983
Pb 220.353	0.9500	0.7623	-0.5077u
Sb 206.834	-3.1926u	2.1189	-7.5675u
Se 196.026	-0.4452u	2.0643	-1.2740u
Sn 189.925	-4.9553u	1.1464	-1.7695u
Sr 216.596	77.1361	76.6704	77.1423
Ti 334.941	2.4732	2.3521	2.3894
Tl 190.794	-1.5777u	-2.6086u	0.5451
V 292.401	0.1171	0.1961	0.2038
Zn 206.200	2.4185	2.7980	3.2721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3589	ppb	0.0987	27.5	-58.9792
Al 308.215	92.9277	ppb	1.8062	1.9	572.303
As 188.980	0.3353	ppb	3.0859	920.3	-0.3699
B 249.678	16.0482	ppb	0.4479	2.8	295.243
Ba 389.178	63.0888	ppb	0.8047	1.3	1535.70
Be 313.042	0.0217	ppb	0.0021	9.8	-195.167
Ca 370.602	20551	ppb	3.835	0.0	74326
Cd 226.502	0.0674	ppb	0.0995	147.6	11.4123
Co 228.615	-0.5112	ppb	0.2727	53.4	-1.1318
Cr 267.716	0.3744	ppb	0.0995	26.6	18.4666
Cu 324.754	1.4896	ppb	0.3098	20.8	-13.2806
Fe 271.441	126.950	ppb	4.9189	3.9	242.941
K 766.491	1653.55	ppb	1.6925	0.1	88372.0
Mg 279.078	4668.95	ppb	0.7135	0.0	11705.6
Mn 257.610	28.7817	ppb	0.0452	0.2	7404.99
Mo 202.032	0.0973	ppb	0.2851	293.1	11.9836
Na 330.237	9837.47	ppb	31.5978	0.3	577.260
Ni 231.604	0.7551	ppb	0.4881	64.6	0.8918
Pb 220.353	0.4015	ppb	0.7930	197.5	4.7359
Sb 206.834	-2.8804	ppb	4.8507	168.4	1.4337
Se 196.026	0.1150	ppb	1.7382	1511.3	3.0060
Sn 189.925	-1.8595	ppb	3.0518	164.1	-2.5878
Sr 216.596	76.9830	ppb	0.2707	0.4	933.574
Ti 334.941	2.4049	ppb	0.0620	2.6	595.638
Tl 190.794	-1.2137	ppb	1.6081	132.5	-0.2747
V 292.401	0.1724	ppb	0.0480	27.8	1.3588
Zn 206.200	2.8295	ppb	0.4277	15.1	8.0821

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-1-b ms (Samp) 4/3/2013, 6:34:34 AM Rack 2, Tube 43**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.5223	9.4979	10.3450
Al 308.215	4724.59	4729.82	4711.71
As 188.980	104.335	95.2162	105.872
B 249.678	192.060	192.262	195.014
Ba 389.178	167.905	167.673	168.192
Be 313.042	50.4744	50.5252	50.4552
Ca 370.602	25672	25707	25591
Cd 226.502	53.4053	53.8018	53.1802
Co 228.615	53.0424	53.3410	53.6420
Cr 267.716	101.966	101.814	101.158
Cu 324.754	105.131	102.253	104.290
Fe 271.441	5050.49	5051.87	5051.04
K 766.491	6791.62	6794.92	6802.06
Mg 279.078	9598.08	9599.65	9566.30
Mn 257.610	560.383	560.955	559.541
Mo 202.032	100.998	100.386	100.384
Na 330.237	14670.1	14635.1	14509.0
Ni 231.604	103.147	103.309	103.887
Pb 220.353	48.1692	47.9459	48.5484
Sb 206.834	48.5795	53.1331	48.2231
Se 196.026	89.3947	104.879	98.0856
Sn 189.925	197.541	196.087	195.710
Sr 216.596	178.658	178.632	177.085
Ti 334.941	98.1633	98.3193	98.0715
Tl 190.794	40.8277	38.5033	39.3871
V 292.401	99.3208	99.7385	99.4808
Zn 206.200	105.016	105.211	105.958

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7884	ppb	0.4822	4.9	656.161
Al 308.215	4722.04	ppb	9.3218	0.2	24649.2
As 188.980	101.808	ppb	5.7600	5.7	72.6466
B 249.678	193.112	ppb	1.6500	0.9	2378.76
Ba 389.178	167.924	ppb	0.2599	0.2	4105.50
Be 313.042	50.4849	ppb	0.0362	0.1	106875
Ca 370.602	25656	ppb	59.60	0.2	92382
Cd 226.502	53.4624	ppb	0.3147	0.6	2104.10
Co 228.615	53.3418	ppb	0.2998	0.6	647.342
Cr 267.716	101.646	ppb	0.4293	0.4	5042.00
Cu 324.754	103.891	ppb	1.4799	1.4	4904.49
Fe 271.441	5051.13	ppb	0.6950	0.0	9668.38
K 766.491	6796.20	ppb	5.3364	0.1	362571
Mg 279.078	9588.01	ppb	18.8160	0.2	23999.4
Mn 257.610	560.293	ppb	0.7114	0.1	141049
Mo 202.032	100.589	ppb	0.3538	0.4	786.003
Na 330.237	14604.7	ppb	84.7556	0.6	857.594
Ni 231.604	103.448	ppb	0.3895	0.4	313.270
Pb 220.353	48.2212	ppb	0.3046	0.6	100.880
Sb 206.834	49.9786	ppb	2.7377	5.5	52.3785
Se 196.026	97.4531	ppb	7.7616	8.0	55.9544
Sn 189.925	196.446	ppb	0.9668	0.5	185.330
Sr 216.596	178.125	ppb	0.9008	0.5	2145.08
Ti 334.941	98.1847	ppb	0.1253	0.1	27105.3
Tl 190.794	39.5727	ppb	1.1733	3.0	42.2243
V 292.401	99.5133	ppb	0.2108	0.2	2931.67
Zn 206.200	105.395	ppb	0.4971	0.5	400.338

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-1-c msd (Samp) 4/3/2013, 6:41:00 AM Rack 2, Tube 44**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	23.9547	24.2934	24.1488
Al 308.215	4653.18	4646.97	4628.36
As 188.980	104.323	100.136	102.154
B 249.678	192.444	192.758	194.456
Ba 389.178	165.199	166.072	165.360
Be 313.042	49.8555	49.8714	49.6911
Ca 370.602	25112	25071	25057
Cd 226.502	53.0768	52.9876	53.3025
Co 228.615	52.9703	53.1920	53.7438
Cr 267.716	100.218	100.174	99.9379
Cu 324.754	102.676	102.658	102.418
Fe 271.441	4991.53	5000.10	5003.72
K 766.491	6726.31	6742.17	6720.10
Mg 279.078	9397.11	9404.06	9393.23
Mn 257.610	553.248	553.958	554.386
Mo 202.032	99.6517	99.8239	99.2650
Na 330.237	14447.8	14346.0	14286.6
Ni 231.604	102.124	101.558	102.845
Pb 220.353	48.9303	46.2533	48.4049
Sb 206.834	50.9945	41.0869	42.4990
Se 196.026	95.4294	91.1164	85.2122
Sn 189.925	195.278	194.934	195.528
Sr 216.596	174.570	174.379	174.853
Ti 334.941	96.7037	96.5540	96.0792
Tl 190.794	36.4402	40.8584	41.1451
V 292.401	97.8498	98.4348	98.2436
Zn 206.200	105.466	103.338	105.056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.1323	ppb	0.1700	0.7	1746.98
Al 308.215	4642.83	ppb	12.9150	0.3	24237.4
As 188.980	102.204	ppb	2.0942	2.0	72.9276
B 249.678	193.219	ppb	1.0828	0.6	2380.09
Ba 389.178	165.544	ppb	0.4646	0.3	4047.09
Be 313.042	49.8060	ppb	0.0998	0.2	105434
Ca 370.602	25080	ppb	28.65	0.1	90301
Cd 226.502	53.1223	ppb	0.1623	0.3	2090.72
Co 228.615	53.3020	ppb	0.3983	0.7	646.847
Cr 267.716	100.110	ppb	0.1506	0.2	4965.82
Cu 324.754	102.584	ppb	0.1444	0.1	4841.74
Fe 271.441	4998.45	ppb	6.2600	0.1	9567.46
K 766.491	6729.53	ppb	11.3818	0.2	359016
Mg 279.078	9398.13	ppb	5.4865	0.1	23524.6
Mn 257.610	553.864	ppb	0.5746	0.1	139431
Mo 202.032	99.5802	ppb	0.2862	0.3	778.232
Na 330.237	14360.1	ppb	81.5685	0.6	843.066
Ni 231.604	102.176	ppb	0.6446	0.6	309.402
Pb 220.353	47.8628	ppb	1.4185	3.0	100.159
Sb 206.834	44.8601	ppb	5.3592	11.9	47.4503
Se 196.026	90.5860	ppb	5.1292	5.7	52.2292
Sn 189.925	195.247	ppb	0.2984	0.2	184.193
Sr 216.596	174.601	ppb	0.2383	0.1	2102.70
Ti 334.941	96.4456	ppb	0.3260	0.3	26623.6
Tl 190.794	39.4813	ppb	2.6375	6.7	42.1382
V 292.401	98.1761	ppb	0.2983	0.3	2892.02
Zn 206.200	104.620	ppb	1.1291	1.1	104.886

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-2-a (Samp) 4/3/2013, 6:47:25 AM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6518	-0.1907u	0.0006u
Al 308.215	73.1154	71.3579	67.0268
As 188.980	1.8147	-5.7430u	-7.3842u
B 249.678	12.1604	12.5917	11.6711
Ba 389.178	49.9345	50.8786	48.5042
Be 313.042	0.0372	0.0390	0.0309
Ca 370.602	18223	18192	17496
Cd 226.502	0.0628	0.2999	0.0527
Co 228.615	-0.1968u	-0.5336u	-0.5946u
Cr 267.716	0.2804	0.6031	0.3355
Cu 324.754	0.5361	0.9758	2.0825
Fe 271.441	97.3562	95.0485	92.1928
K 766.491	1600.28	1595.83	1519.59
Mg 279.078	4732.69	4730.00	4493.22
Mn 257.610	12.8596	12.9112	12.2845
Mo 202.032	0.3413	-0.4074u	0.1429
Na 330.237	13894.8	13722.7	13016.8
Ni 231.604	1.1919	2.2094	1.6249
Pb 220.353	-0.0964u	-1.1920u	-2.9737u
Sb 206.834	-3.5728u	-7.3028u	0.6131
Se 196.026	1.4818	-0.9739u	-0.4779u
Sn 189.925	-0.4189u	-1.8023u	-3.0436u
Sr 216.596	73.2715	73.7108	69.2922
Ti 334.941	1.8182	1.8517	1.7626
Tl 190.794	0.5923	0.0366	-3.4832u
V 292.401	0.2373	-0.1575u	0.3724
Zn 206.200	6.5723	7.9517	6.2357

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1539	ppb	0.4417	287.0	-74.4539
Al 308.215	70.5000	ppb	3.1336	4.4	455.684
As 188.980	-3.7708	ppb	4.9063	130.1	-3.3508
B 249.678	12.1411	ppb	0.4606	3.8	249.172
Ba 389.178	49.7724	ppb	1.1955	2.4	1211.95
Be 313.042	0.0357	ppb	0.0042	11.8	-166.903
Ca 370.602	17970	ppb	411.2	2.3	64991
Cd 226.502	0.1385	ppb	0.1399	101.0	14.0941
Co 228.615	-0.4417	ppb	0.2142	48.5	-0.3039
Cr 267.716	0.4063	ppb	0.1726	42.5	20.0411
Cu 324.754	1.1981	ppb	0.7968	66.5	-27.2822
Fe 271.441	94.8658	ppb	2.5865	2.7	181.626
K 766.491	1571.90	ppb	45.3566	2.9	84018.4
Mg 279.078	4651.97	ppb	137.484	3.0	11663.5
Mn 257.610	12.6851	ppb	0.3479	2.7	3359.16
Mo 202.032	0.0256	ppb	0.3879	1516.4	11.4324
Na 330.237	13544.8	ppb	465.262	3.4	797.924
Ni 231.604	1.6754	ppb	0.5106	30.5	3.6897
Pb 220.353	-1.4207	ppb	1.4522	102.2	1.0609
Sb 206.834	-3.4208	ppb	3.9601	115.8	0.9162
Se 196.026	0.0100	ppb	1.2985	12975.8	2.9446
Sn 189.925	-1.7549	ppb	1.3130	74.8	-2.4884
Sr 216.596	72.0915	ppb	2.4342	3.4	874.510
Ti 334.941	1.8108	ppb	0.0450	2.5	430.999
Tl 190.794	-0.9515	ppb	2.2101	232.3	0.0318
V 292.401	0.1507	ppb	0.2753	182.7	0.7086
Zn 206.200	6.9199	ppb	0.9993	14.4	15.7646

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-3-a (Samp) 4/3/2013, 6:53:51 AM Rack 2, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2140u	0.7144	0.3801
Al 308.215	6.9544	10.0261	6.4276
As 188.980	-3.3195u	0.4894	-0.5165u
B 249.678	20.8613	21.5903	20.8670
Ba 389.178	40.9622	41.1043	41.8004
Be 313.042	0.0302	0.0299	0.0296
Ca 370.602	28809	28786	28778
Cd 226.502	0.0830	-0.2128u	0.1298
Co 228.615	-0.1227u	-0.9336u	-0.1497u
Cr 267.716	0.5595	0.5975	0.6716
Cu 324.754	1.1814	1.2140	1.3026
Fe 271.441	17.4964	17.4049	13.7283
K 766.491	1891.41	1896.30	1902.05
Mg 279.078	8917.51	8933.38	8905.84
Mn 257.610	79.2699	79.0999	79.2435
Mo 202.032	-0.3693u	-0.4134u	-0.5663u
Na 330.237	22637.4	22772.3	22531.1
Ni 231.604	2.6837	2.7712	3.6272
Pb 220.353	1.6832	-1.5138u	1.9626
Sb 206.834	-2.4517u	2.2393	0.3706
Se 196.026	4.3827	-3.4671u	3.9513
Sn 189.925	-2.4198u	-1.5542u	2.6994
Sr 216.596	140.396	140.822	139.797
Ti 334.941	0.1490	0.1815	0.1207
Tl 190.794	-3.9276u	-1.7888u	-0.9800u
V 292.401	-0.1885u	-0.3124u	-0.1429u
Zn 206.200	6.0352	4.2328	5.8678

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2935	ppb	0.4702	160.2	-66.9461
Al 308.215	7.8027	ppb	1.9434	24.9	129.699
As 188.980	-1.1156	ppb	1.9739	176.9	-1.3323
B 249.678	21.1062	ppb	0.4193	2.0	355.046
Ba 389.178	41.2890	ppb	0.4486	1.1	1017.38
Be 313.042	0.0299	ppb	0.0003	1.0	-176.461
Ca 370.602	28791	ppb	16.01	0.1	104143
Cd 226.502	0.0000	ppb	0.1857	716701.1	8.5056
Co 228.615	-0.4020	ppb	0.4606	114.6	0.1428
Cr 267.716	0.6095	ppb	0.0570	9.4	30.5618
Cu 324.754	1.2327	ppb	0.0627	5.1	-25.6502
Fe 271.441	16.2099	ppb	2.1496	13.3	31.1985
K 766.491	1896.59	ppb	5.3285	0.3	101330
Mg 279.078	8918.91	ppb	13.8265	0.2	22335.4
Mn 257.610	79.2044	ppb	0.0915	0.1	20115.4
Mo 202.032	-0.4497	ppb	0.1034	23.0	7.7744
Na 330.237	22647.0	ppb	120.897	0.5	1339.81
Ni 231.604	3.0274	ppb	0.5213	17.2	7.7988
Pb 220.353	0.7107	ppb	1.9315	271.8	5.3761
Sb 206.834	0.0527	ppb	2.3616	4479.8	4.2564
Se 196.026	1.6223	ppb	4.4128	272.0	3.8361
Sn 189.925	-0.4249	ppb	2.7401	644.9	-1.2192
Sr 216.596	140.338	ppb	0.5149	0.4	1695.38
Ti 334.941	0.1504	ppb	0.0304	20.2	-9.7821
Tl 190.794	-2.2321	ppb	1.5229	68.2	-1.4350
V 292.401	-0.2146	ppb	0.0877	40.9	-10.1576
Zn 206.200	5.3786	ppb	0.9958	18.5	12.8695

460-53172-d-4-a (Samp) 4/3/2013, 7:00:17 AM Rack 2, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1535	0.4716	0.4733
Al 308.215	19.6364	19.3128	22.5402
As 188.980	1.0874	2.7280	-0.0821
B 249.678	6.1288	4.9475	5.7490
Ba 389.178	145.821	147.036	146.572
Be 313.042	0.0133	0.0120	0.0196
Ca 370.602	44837	44820	44780
Cd 226.502	0.3485	0.1538	-0.0449u
Co 228.615	0.3056	0.1643	0.4504
Cr 267.716	0.3781	0.6304	0.4839
Cu 324.754	0.9995	0.2236	0.4870
Fe 271.441	359.108	371.235	370.440
K 766.491	1195.40	1196.83	1196.94
Mg 279.078	7709.08	7722.11	7745.72
Mn 257.610	1088.09	1091.74	1090.17
Mo 202.032	-0.7489u	-0.8204u	0.0252
Na 330.237	14451.2	14743.1	14639.4
Ni 231.604	2.1397	4.5207	1.4374
Pb 220.353	0.7609	-0.7528u	-2.2754u
Sb 206.834	0.2364	-5.8195u	-9.1374u
Se 196.026	3.9053	-2.0407u	-1.6535u
Sn 189.925	1.1191	0.6443	-1.3983u
Sr 216.596	125.746	125.818	125.201
Ti 334.941	0.6600	0.3837	0.4798
Tl 190.794	0.3918u	0.2659u	2.0029
V 292.401	-0.0672u	0.3028	0.2753
Zn 206.200	7.3962	8.1914	8.3746

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3661	ppb	0.1842	50.3	-56.1423
Al 308.215	20.4965	ppb	1.7773	8.7	195.698
As 188.980	1.2445	ppb	1.4116	113.4	0.5197
B 249.678	5.6084	ppb	0.6031	10.8	171.780
Ba 389.178	146.476	ppb	0.6132	0.4	3571.40
Be 313.042	0.0150	ppb	0.0040	26.9	-201.102
Ca 370.602	44812	ppb	29.48	0.1	162096
Cd 226.502	0.1525	ppb	0.1967	129.0	15.3451
Co 228.615	0.3068	ppb	0.1430	46.6	8.6814
Cr 267.716	0.4975	ppb	0.1267	25.5	29.4008
Cu 324.754	0.5700	ppb	0.3946	69.2	-57.3557
Fe 271.441	366.928	ppb	6.7834	1.8	701.897
K 766.491	1196.39	ppb	0.8583	0.1	63996.6
Mg 279.078	7725.64	ppb	18.5695	0.2	19331.7
Mn 257.610	1090.00	ppb	1.8308	0.2	274151
Mo 202.032	-0.5147	ppb	0.4690	91.1	7.2544
Na 330.237	14611.2	ppb	148.017	1.0	861.319
Ni 231.604	2.6993	ppb	1.6160	59.9	6.8093
Pb 220.353	-0.7558	ppb	1.5182	200.9	2.6823
Sb 206.834	-4.9068	ppb	4.7531	96.9	-0.5028
Se 196.026	0.0704	ppb	3.3268	4727.7	3.2682
Sn 189.925	0.1217	ppb	1.3376	1099.0	-0.6970
Sr 216.596	125.588	ppb	0.3372	0.3	1520.19
Ti 334.941	0.5079	ppb	0.1402	27.6	84.3810
Tl 190.794	0.8869	ppb	0.9686	109.2	0.3105
V 292.401	0.1703	ppb	0.2062	121.1	1.3409
Zn 206.200	7.9874	ppb	0.5202	6.5	1747694

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-5-a (Samp) 4/3/2013, 7:06:44 AM Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0162u	0.4880	0.8833
Al 308.215	11.3745	9.0192	13.4630
As 188.980	-1.4707u	-1.4496u	-4.9698u
B 249.678	11.7311	12.4349	12.6088
Ba 389.178	68.5257	69.6316	69.2282
Be 313.042	0.0056	0.0073	0.0108
Ca 370.602	40488	40559	40503
Cd 226.502	-0.0393u	0.1861	0.1006
Co 228.615	1.8444	1.1862	1.7315
Cr 267.716	0.6223	0.6016	0.7493
Cu 324.754	0.9546	1.0988	1.6300
Fe 271.441	18.4138	17.0858	13.3764
K 766.491	1622.54	1620.71	1621.79
Mg 279.078	14323.8	14350.8	14323.2
Mn 257.610	9.6964	9.6985	9.5883
Mo 202.032	-0.4475u	-0.3108u	-0.0160u
Na 330.237	26490.6	26692.6	26519.5
Ni 231.604	2.7496	3.1641	1.9163
Pb 220.353	-1.7775u	2.8004	0.5633
Sb 206.834	-9.3397u	-0.6446u	-3.6142u
Se 196.026	-9.8036u	-9.0377u	-6.5499u
Sn 189.925	-5.5739u	-3.5481u	1.6630
Sr 216.596	282.167	281.290	281.993
Ti 334.941	0.1408	0.1065	0.0219
Tl 190.794	-4.6632u	-0.1253u	-4.3817u
V 292.401	0.1771	-0.2430u	-0.3360u
Zn 206.200	2.8252	3.8618	4.2012

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4625	ppb	0.4341	93.9	-61.5438
Al 308.215	11.2856	ppb	2.2232	19.7	147.846
As 188.980	-2.6300	ppb	2.0263	77.0	-2.3084
B 249.678	12.2582	ppb	0.4647	3.8	250.647
Ba 389.178	69.1285	ppb	0.5597	0.8	1709.06
Be 313.042	0.0079	ppb	0.0027	33.5	-219.311
Ca 370.602	40516	ppb	37.12	0.1	146554
Cd 226.502	0.0825	ppb	0.1138	137.9	11.7648
Co 228.615	1.5874	ppb	0.3520	22.2	24.1204
Cr 267.716	0.6578	ppb	0.0800	12.2	32.7167
Cu 324.754	1.2278	ppb	0.3557	29.0	-25.8744
Fe 271.441	16.2920	ppb	2.6108	16.0	31.6908
K 766.491	1621.68	ppb	0.9213	0.1	86672.4
Mg 279.078	14332.6	ppb	15.7655	0.1	35878.4
Mn 257.610	9.6611	ppb	0.0630	0.7	2685.52
Mo 202.032	-0.2581	ppb	0.2205	85.4	9.2507
Na 330.237	26567.6	ppb	109.230	0.4	1573.21
Ni 231.604	2.6100	ppb	0.6355	24.4	6.5295
Pb 220.353	0.5287	ppb	2.2892	433.0	4.9900
Sb 206.834	-4.5328	ppb	4.4197	97.5	-0.1526
Se 196.026	-8.4637	ppb	1.7011	20.1	-1.6509
Sn 189.925	-2.4863	ppb	3.7335	150.2	-3.1655
Sr 216.596	281.817	ppb	0.4644	0.2	3395.96
Ti 334.941	0.0897	ppb	0.0612	68.2	-2.5203
Tl 190.794	-3.0567	ppb	2.5426	83.2	-2.2071
V 292.401	-0.1340	ppb	0.2734	204.0	-7.8040
Zn 206.200	3.6294	ppb	0.7168	19.8	0.5836

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 7:13:10 AM Rack 2, Tube 49
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	483.381	481.979	476.718
Al 308.215	4748.26	4701.00	4699.41
As 188.980	475.721	475.145	469.459
B 249.678	485.657	479.914	485.603
Ba 389.178	4970.15	4938.46	4939.75
Be 313.042	464.202	460.290	461.292
Ca 370.602	5054	5018	5031
Cd 226.502	505.772	499.969	500.661
Co 228.615	507.828	503.800	504.399
Cr 267.716	4769.44	4720.41	4734.61
Cu 324.754	4672.59	4708.46	4717.82
Fe 271.441	4989.93	4949.26	4955.66
K 766.491	9813.97	9751.10	9768.07
Mg 279.078	4878.40	4830.12	4832.32
Mn 257.610	4915.24	4853.51	4881.04
Mo 202.032	495.898	492.442	493.530
Na 330.237	7374.29	7415.28	7172.56
Ni 231.604	2455.68	2437.62	2427.20
Pb 220.353	502.090	495.418	495.777
Sb 206.834	950.927	943.529	937.567
Se 196.026	4825.95	4791.38	4793.67
Sn 189.925	5026.02	4984.68	4963.37
Sr 216.596	2447.61	2427.79	2434.56
Ti 334.941	480.993	477.142	478.274
Tl 190.794	5266.14	5220.14	5226.62
V 292.401	4842.95	4797.97	4812.40
Zn 206.200	2496.11	2471.86	2471.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.692	ppb	3.5126	0.7	36404.1	96.13848
Al 308.215	4716.22	ppb	27.7583	0.6	24591.2	94.32446
As 188.980	473.442	ppb	3.4606	0.7	339.883	94.68831
B 249.678	483.725	ppb	3.3005	0.7	5807.82	19.34900Q
Ba 389.178	4949.45	ppb	17.9386	0.4	120331	98.98909
Be 313.042	461.928	ppb	2.0324	0.4	979752	92.38560
Ca 370.602	5034	ppb	18.07	0.4	18060	100.68668
Cd 226.502	502.134	ppb	3.1697	0.6	19584.6	100.42683
Co 228.615	505.342	ppb	2.1729	0.4	6106.65	101.06847
Cr 267.716	4741.49	ppb	25.2297	0.5	235060	94.82976
Cu 324.754	4699.62	ppb	23.8712	0.5	225436	93.99243
Fe 271.441	4964.95	ppb	21.8692	0.4	9627.89	99.29901
K 766.491	9777.71	ppb	32.5284	0.3	521541	97.77712
Mg 279.078	4846.95	ppb	27.2617	0.6	12058.8	96.93897
Mn 257.610	4883.26	ppb	30.9242	0.6	1227505	97.66526
Mo 202.032	493.957	ppb	1.7669	0.4	3808.15	98.79131
Na 330.237	7320.71	ppb	129.928	1.8	400.105	97.60948
Ni 231.604	2440.17	ppb	14.4104	0.6	7418.59	97.60664
Pb 220.353	497.762	ppb	3.7528	0.8	1006.77	99.55232
Sb 206.834	944.008	ppb	6.6932	0.7	954.894	94.40077
Se 196.026	4803.67	ppb	19.3325	0.4	2608.72	96.07330
Sn 189.925	4991.36	ppb	31.8560	0.6	4728.97	99.82716
Sr 216.596	2436.65	ppb	10.0769	0.4	29208.9	97.46611
Ti 334.941	478.803	ppb	1.9795	0.4	132341	95.76060
Tl 190.794	5237.63	ppb	24.8971	0.5	5588.99	104.75264
V 292.401	4817.77	ppb	22.9663	0.5	142997	96.35550
Zn 206.200	2479.75	ppb	14.1674	0.6	4642.30	99.19009

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 7:19:35 AM Rack 2, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.1897	0.0760	0.4962
Al 308.215	-0.3815u	0.3844	5.5895
As 188.980	0.9691	5.0726	-2.3133u
B 249.678	4.1245	2.6028	4.2034
Ba 389.178	1.0506	2.6690	7.6019
Be 313.042	0.1023	0.2721	0.5890
Ca 370.602	4.311	8.140	37.22
Cd 226.502	0.1956	0.3478	0.7832
Co 228.615	0.2524	0.4310	0.6812
Cr 267.716	0.8227	2.2161	5.1038
Cu 324.754	1.4596	1.8556	4.9070
Fe 271.441	3.0991	1.4818	13.1626
K 766.491	4.0275	9.7992	24.7018
Mg 279.078	-1.0489u	7.7485	17.3923
Mn 257.610	0.6536	2.7685	6.7037
Mo 202.032	0.1558	0.6470	0.8696
Na 330.237	181.154	-4.1440u	73.9607
Ni 231.604	1.7274	0.5210	4.5319
Pb 220.353	-1.1335u	-0.0349u	0.8603
Sb 206.834	-6.8332u	4.3378	-5.2534u
Se 196.026	0.0567	5.6381	3.4289
Sn 189.925	-0.2990u	3.1596	5.6434
Sr 216.596	0.7452	2.0646	3.9525
Ti 334.941	0.1667	0.3112	0.6887
Tl 190.794	1.1590	-1.8062u	8.0412
V 292.401	0.8576	2.8214	6.4171
Zn 206.200	2.4753	4.9239	12.6315

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5873	ppb	0.5624	95.8	-37.9716	0.58729
Al 308.215	1.8641	ppb	3.2489	174.3	98.9034	1.86412
As 188.980	1.2428	ppb	3.7006	297.8	0.0846	1.24278
B 249.678	3.6436	ppb	0.9022	24.8	149.005	3.64357
Ba 389.178	3.7738	ppb	3.4125	90.4	80.9040	3.77382
Be 313.042	0.3211	ppb	0.2471	76.9	433.632	0.32113
Ca 370.602	16.56	ppb	18.00	108.7	55.79	16.55689
Cd 226.502	0.4422	ppb	0.3050	69.0	25.7291	0.44224
Co 228.615	0.4549	ppb	0.2154	47.4	10.4449	0.45488
Cr 267.716	2.7142	ppb	2.1836	80.5	134.115	2.71416
Cu 324.754	2.7407	ppb	1.8864	68.8	46.7211	2.74073
Fe 271.441	5.9145	ppb	6.3290	107.0	11.6287	5.91450
K 766.491	12.8428	ppb	10.6679	83.1	891.513	12.84282
Mg 279.078	8.0306	ppb	9.2238	114.9	47.4245	8.03065
Mn 257.610	3.3753	ppb	3.0704	91.0	977.420	3.37530
Mo 202.032	0.5574	ppb	0.3652	65.5	15.5295	0.55744
Na 330.237	83.6569	ppb	93.0288	111.2	-3.3365	83.65693
Ni 231.604	2.2601	ppb	2.0578	91.1	5.4655	2.26010
Pb 220.353	-0.1027	ppb	0.9986	972.1	3.7153	-0.10273
Sb 206.834	-2.5829	ppb	6.0454	234.1	1.7334	-2.58293
Se 196.026	3.0412	ppb	2.8108	92.4	4.5849	3.04122
Sn 189.925	2.8346	ppb	2.9845	105.3	1.8466	2.83464
Sr 216.596	2.2541	ppb	1.6121	71.5	33.6035	2.25409
Ti 334.941	0.3889	ppb	0.2695	69.3	17.9449	0.38886
Tl 190.794	2.4647	ppb	5.0519	205.0	3.7007	2.46467
V 292.401	3.3654	ppb	2.8194	83.8	96.1043	3.36539
Zn 206.200	6.6769	ppb	5.3002	79.4	15.2995	6.67691

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-6-a (Samp) 4/3/2013, 7:26:01 AM Rack 2, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8113	0.2780	-0.1125u
Al 308.215	1.4745	4.5839	3.0990
As 188.980	0.2602	3.7452	-3.9620u
B 249.678	11.6786	12.5770	12.5287
Ba 389.178	51.6888	55.2716	54.9617
Be 313.042	0.0197	0.0235	0.0141
Ca 370.602	11117	11897	11673
Cd 226.502	0.1177	-0.0110u	-0.1481u
Co 228.615	-0.1908u	-0.2557u	-0.5342u
Cr 267.716	0.2004	0.3937	0.2115
Cu 324.754	0.6206	1.1772	0.7833
Fe 271.441	4.9111	3.5974	9.7824
K 766.491	1977.94	2108.87	2078.44
Mg 279.078	5236.67	5617.08	5504.76
Mn 257.610	-0.2924u	-0.2071u	-0.2347u
Mo 202.032	-0.1601u	-0.3980u	-0.3578u
Na 330.237	3869.16	4196.40	4389.76
Ni 231.604	1.4821	1.0358	0.8720
Pb 220.353	0.5648	-0.2477u	0.9797
Sb 206.834	-4.7490u	-9.0359u	-0.9421u
Se 196.026	-3.1238u	-9.1220u	-2.9806u
Sn 189.925	-1.4336u	0.0580	-0.5721u
Sr 216.596	41.8945	45.6012	44.3237
Ti 334.941	0.0410	0.0503	0.0737
Tl 190.794	-2.9984u	-1.7787u	-0.8568u
V 292.401	0.1509	-0.0586u	-0.0109u
Zn 206.200	3.1142	3.1677	3.1859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3256	ppb	0.4637	142.4	-60.0859
Al 308.215	3.0525	ppb	1.5552	50.9	105.026
As 188.980	0.0145	ppb	3.8595	26686.5	-0.6875
B 249.678	12.2614	ppb	0.5053	4.1	250.696
Ba 389.178	53.9740	ppb	1.9852	3.7	1316.12
Be 313.042	0.0191	ppb	0.0048	24.9	-203.523
Ca 370.602	11562	ppb	401.2	3.5	41820
Cd 226.502	-0.0138	ppb	0.1329	961.5	8.0040
Co 228.615	-0.3269	ppb	0.1825	55.8	1.0368
Cr 267.716	0.2685	ppb	0.1085	40.4	12.9548
Cu 324.754	0.8604	ppb	0.2862	33.3	-43.5165
Fe 271.441	6.0969	ppb	3.2586	53.4	11.9007
K 766.491	2055.08	ppb	68.5156	3.3	109781
Mg 279.078	5452.84	ppb	195.445	3.6	13667.0
Mn 257.610	-0.2447	ppb	0.0435	17.8	116.204
Mo 202.032	-0.3053	ppb	0.1273	41.7	8.8872
Na 330.237	4151.77	ppb	263.156	6.3	238.860
Ni 231.604	1.1300	ppb	0.3158	27.9	2.0291
Pb 220.353	0.4322	ppb	0.6243	144.4	4.7941
Sb 206.834	-4.9090	ppb	4.0493	82.5	-0.5155
Se 196.026	-5.0754	ppb	3.5052	69.1	0.1833
Sn 189.925	-0.6492	ppb	0.7488	115.3	-1.4476
Sr 216.596	43.9398	ppb	1.8830	4.3	535.639
Ti 334.941	0.0550	ppb	0.0169	30.6	-50.3011
Tl 190.794	-1.8780	ppb	1.0742	57.2	-0.9328
V 292.401	0.0272	ppb	0.1098	404.5	-2.8835
Zn 206.200	3.1559	ppb	0.0373	1.2	8.6956

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-7-a (Samp) 4/3/2013, 7:32:26 AM Rack 2, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0316u	0.2705	-0.3381u
Al 308.215	4.2201	-0.4446u	4.5493
As 188.980	2.5886	2.3735	3.8244
B 249.678	18.6731	18.6019	17.8588
Ba 389.178	74.3472	75.9455	74.6268
Be 313.042	0.0154	0.0168	0.0043
Ca 370.602	29446	29471	29440
Cd 226.502	-0.0173u	-0.0570u	0.1352
Co 228.615	0.3903	0.2694	0.1705
Cr 267.716	0.5281	0.7832	0.3452
Cu 324.754	0.6624	0.6541	0.8891
Fe 271.441	186.527	178.354	177.662
K 766.491	1624.75	1629.14	1628.65
Mg 279.078	9938.07	9930.77	9931.41
Mn 257.610	0.9860	1.0112	0.9980
Mo 202.032	-0.5673u	-0.2572u	-0.4230u
Na 330.237	24030.1	24296.2	24431.4
Ni 231.604	0.5256	1.6823	-0.7714u
Pb 220.353	-1.0819u	-0.6814u	0.1759
Sb 206.834	-6.8763u	-4.7118u	2.4648
Se 196.026	2.9326	-1.9677u	-1.0638u
Sn 189.925	-0.1788u	0.3525	-0.1383u
Sr 216.596	130.153	130.081	129.625
Ti 334.941	-0.0529	-0.1299	-0.0437
Tl 190.794	-1.9816u	-1.9328u	-1.5309u
V 292.401	-0.0811u	-0.0515u	-0.0686u
Zn 206.200	3.2718	4.2609	2.4492

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0330	ppb	0.3043	920.9	-91.6446
Al 308.215	2.7749	ppb	2.7930	100.7	103.586
As 188.980	2.9288	ppb	0.7830	26.7	1.5819
B 249.678	18.3779	ppb	0.4510	2.5	322.665
Ba 389.178	74.9732	ppb	0.8536	1.1	1839.12
Be 313.042	0.0122	ppb	0.0069	56.3	-214.155
Ca 370.602	29452	ppb	16.22	0.1	106517
Cd 226.502	0.0203	ppb	0.1014	500.3	9.7065
Co 228.615	0.2767	ppb	0.1101	39.8	8.3094
Cr 267.716	0.5522	ppb	0.2200	39.8	27.4387
Cu 324.754	0.7352	ppb	0.1333	18.1	-49.4733
Fe 271.441	180.848	ppb	4.9301	2.7	346.042
K 766.491	1627.51	ppb	2.4075	0.1	86983.4
Mg 279.078	9933.42	ppb	4.0450	0.0	24874.6
Mn 257.610	0.9984	ppb	0.0126	1.3	469.095
Mo 202.032	-0.4158	ppb	0.1552	37.3	8.0265
Na 330.237	24252.6	ppb	204.158	0.8	1435.35
Ni 231.604	0.4788	ppb	1.2275	256.4	0.0532
Pb 220.353	-0.5291	ppb	0.6425	121.4	2.8572
Sb 206.834	-3.0411	ppb	4.8895	160.8	1.2848
Se 196.026	-0.0330	ppb	2.6077	7911.8	2.9187
Sn 189.925	0.0118	ppb	0.2957	2505.0	-0.8046
Sr 216.596	129.953	ppb	0.2863	0.2	1570.80
Ti 334.941	-0.0755	ppb	0.0473	62.7	-67.9092
Tl 190.794	-1.8151	ppb	0.2473	13.6	-0.8773
V 292.401	-0.0671	ppb	0.0148	22.1	-5.8225
Zn 206.200	3.3273	ppb	0.9972	27.3	9.0165

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-7-aSD^5 (Samp) 4/3/2013, 7:38:52 AM Rack 2, Tube 53

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3406	0.6755	-0.4759u
Al 308.215	1.1023	-1.0345u	-0.6296u
As 188.980	0.5009	0.2605	2.1194
B 249.678	0.2184	0.0472	-0.8090u
Ba 389.178	15.8580	15.9566	15.2605
Be 313.042	0.0188	0.0171	0.0237
Ca 370.602	6161	6126	6147
Cd 226.502	-0.0490u	0.0747	-0.1204u
Co 228.615	-0.1982u	-0.0703u	-0.5439u
Cr 267.716	0.2043	0.1277	0.1902
Cu 324.754	-0.4381u	0.8891	1.3218
Fe 271.441	50.7474	51.8319	45.1417
K 766.491	339.921	339.202	338.863
Mg 279.078	2093.23	2078.12	2091.72
Mn 257.610	0.0067	0.0555	0.0553
Mo 202.032	0.1535	0.1274	-0.8599u
Na 330.237	5227.41	5132.81	5265.11
Ni 231.604	1.8113	0.4985	1.4542
Pb 220.353	-0.5353u	-1.1132u	-0.3461u
Sb 206.834	2.3237	-7.1083u	-2.7665u
Se 196.026	-8.3161u	-6.0963u	-3.7572u
Sn 189.925	-1.0724u	-1.6295u	-3.2035u
Sr 216.596	27.2976	27.3117	27.2461
Ti 334.941	-0.0040	0.0023	-0.0148
Tl 190.794	-2.9426u	-0.1221u	-0.6124u
V 292.401	-0.0879u	0.3925	0.0898
Zn 206.200	1.4365	1.6090	1.8752

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1800	ppb	0.5922	329.0	-70.2830
Al 308.215	-0.1873	ppb	1.1350	606.0	88.1798
As 188.980	0.9603	ppb	1.0110	105.3	-0.0597
B 249.678	-0.1811	ppb	0.5505	303.9	103.833
Ba 389.178	15.6917	ppb	0.3767	2.4	376.365
Be 313.042	0.0199	ppb	0.0034	17.1	-203.805
Ca 370.602	6145	ppb	17.74	0.3	22219
Cd 226.502	-0.0316	ppb	0.0987	312.8	7.3615
Co 228.615	-0.2708	ppb	0.2450	90.5	1.7085
Cr 267.716	0.1741	ppb	0.0408	23.4	8.3023
Cu 324.754	0.5909	ppb	0.9171	155.2	-56.4382
Fe 271.441	49.2403	ppb	3.5907	7.3	94.4503
K 766.491	339.329	ppb	0.5400	0.2	18299.3
Mg 279.078	2087.69	ppb	8.3255	0.4	5249.50
Mn 257.610	0.0392	ppb	0.0281	71.8	157.622
Mo 202.032	-0.1930	ppb	0.5777	299.3	9.7504
Na 330.237	5208.44	ppb	68.1579	1.3	301.763
Ni 231.604	1.2547	ppb	0.6788	54.1	2.4091
Pb 220.353	-0.6648	ppb	0.3996	60.1	2.5836
Sb 206.834	-2.5170	ppb	4.7210	187.6	1.7813
Se 196.026	-6.0565	ppb	2.2797	37.6	-0.3483
Sn 189.925	-1.9685	ppb	1.1052	56.1	-2.6998
Sr 216.596	27.2851	ppb	0.0345	0.1	335.004
Ti 334.941	-0.0055	ppb	0.0087	157.8	-82.1959
Tl 190.794	-1.2257	ppb	1.5069	122.9	-0.2384
V 292.401	0.1314	ppb	0.2429	184.8	0.1827
Zn 206.200	1.6402	ppb	0.2210	13.5	5.8497

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53172-d-7-aPDS (Samp) 4/3/2013, 7:45:18 AM Rack 2, Tube 54**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	45.8730	45.9130	45.6043
Al 308.215	1781.72	1782.71	1781.30
As 188.980	2068.38	2075.86	2059.79
B 249.678	930.561	932.487	937.850
Ba 389.178	2136.17	2134.42	2133.17
Be 313.042	47.3165	47.4291	47.3309
Ca 370.602	33937	34036	33977
Cd 226.502	51.2520	51.2688	51.1409
Co 228.615	515.377	512.735	508.979
Cr 267.716	194.697	195.934	195.039
Cu 324.754	242.284	241.691	241.459
Fe 271.441	1136.03	1135.51	1144.10
K 766.491	6978.35	6967.42	6963.00
Mg 279.078	14624.9	14625.7	14626.0
Mn 257.610	512.138	511.215	511.250
Mo 202.032	511.566	512.440	511.762
Na 330.237	28660.0	28728.2	28567.8
Ni 231.604	494.979	497.209	496.282
Pb 220.353	480.313	485.581	484.326
Sb 206.834	457.467	459.352	459.374
Se 196.026	1862.96	1866.72	1865.17
Sn 189.925	1013.89	1027.73	1022.69
Sr 216.596	636.464	639.678	637.903
Ti 334.941	956.696	960.871	958.641
Tl 190.794	2065.93	2065.34	2070.85
V 292.401	471.663	472.213	470.640
Zn 206.200	497.184	496.798	500.474

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.7968	ppb	0.1679	0.4	3373.93
Al 308.215	1781.91	ppb	0.7246	0.0	9408.65
As 188.980	2068.01	ppb	8.0403	0.4	1488.23
B 249.678	933.633	ppb	3.7771	0.4	11120.9
Ba 389.178	2134.59	ppb	1.5058	0.1	51920.7
Be 313.042	47.3588	ppb	0.0613	0.1	100151
Ca 370.602	33983	ppb	49.89	0.1	123042
Cd 226.502	51.2206	ppb	0.0695	0.1	2007.08
Co 228.615	512.364	ppb	3.2151	0.6	6191.23
Cr 267.716	195.223	ppb	0.6392	0.3	9678.87
Cu 324.754	241.811	ppb	0.4255	0.2	11530.4
Fe 271.441	1138.55	ppb	4.8167	0.4	2267.57
K 766.491	6969.59	ppb	7.9032	0.1	371816
Mg 279.078	14625.6	ppb	0.5500	0.0	36601.3
Mn 257.610	511.534	ppb	0.5227	0.1	128828
Mo 202.032	511.923	ppb	0.4583	0.1	3955.55
Na 330.237	28652.0	ppb	80.4911	0.3	1683.81
Ni 231.604	496.157	ppb	1.1203	0.2	1507.30
Pb 220.353	483.406	ppb	2.7516	0.6	976.424
Sb 206.834	458.731	ppb	1.0947	0.2	440.483
Se 196.026	1864.95	ppb	1.8895	0.1	1014.21
Sn 189.925	1021.44	ppb	7.0078	0.7	967.101
Sr 216.596	638.015	ppb	1.6101	0.3	7643.33
Ti 334.941	958.736	ppb	2.0890	0.2	265105
Tl 190.794	2067.37	ppb	3.0255	0.1	2208.20
V 292.401	471.505	ppb	0.7985	0.2	13924.3
Zn 206.200	498.152	ppb	2.0203	0.4	937.652

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271223/1-b (Samp) **4/3/2013, 7:51:43 AM** **Rack 2, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0468	0.5851	0.2810
Al 308.215	3.5480	0.7456	-0.0867u
As 188.980	-0.2475u	2.5021	3.1669
B 249.678	13.4570	11.7075	10.9844
Ba 389.178	1.7826	1.6152	2.2642
Be 313.042	0.0996	0.0917	0.0867
Ca 370.602	52.35	49.48	43.87
Cd 226.502	0.1215	0.1646	0.0338
Co 228.615	0.2655	0.2024	0.1324
Cr 267.716	0.5377	0.4090	0.4444
Cu 324.754	1.0923	2.1956	1.6373
Fe 271.441	6.6458	2.9864	1.5978
K 766.491	13.1272	13.1622	11.9353
Mg 279.078	19.0068	26.0413	20.5400
Mn 257.610	0.5620	0.5328	0.5259
Mo 202.032	0.4627	0.6553	0.7785
Na 330.237	91.9102	259.272	257.362
Ni 231.604	0.7967	1.5637	1.2112
Pb 220.353	-0.1410u	-0.5888u	-1.5314u
Sb 206.834	3.9588	-2.1214u	0.2277
Se 196.026	-6.2580u	-4.3299u	2.9495
Sn 189.925	1.8611	1.4422	0.3680
Sr 216.596	1.1007	1.2000	0.6850
Ti 334.941	1.4330	1.4032	1.2440
Tl 190.794	2.0288	0.7153	-0.7350u
V 292.401	0.4307	0.8811	0.5842
Zn 206.200	1.3771	2.2331	1.9723

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3043	ppb	0.2699	88.7	-59.4819
Al 308.215	1.4023	ppb	1.9043	135.8	96.5456
As 188.980	1.8072	ppb	1.8102	100.2	0.4913
B 249.678	12.0496	ppb	1.2713	10.6	248.198
Ba 389.178	1.8873	ppb	0.3369	17.9	35.0714
Be 313.042	0.0927	ppb	0.0065	7.0	-51.0575
Ca 370.602	48.57	ppb	4.315	8.9	172.2
Cd 226.502	0.1067	ppb	0.0666	62.5	12.6382
Co 228.615	0.2001	ppb	0.0666	33.3	7.3918
Cr 267.716	0.4637	ppb	0.0665	14.3	22.5554
Cu 324.754	1.6417	ppb	0.5517	33.6	-5.9993
Fe 271.441	3.7433	ppb	2.6077	69.7	7.4896
K 766.491	12.7416	ppb	0.6984	5.5	886.113
Mg 279.078	21.8627	ppb	3.6991	16.9	82.0753
Mn 257.610	0.5402	ppb	0.0191	3.5	264.982
Mo 202.032	0.6322	ppb	0.1592	25.2	16.1114
Na 330.237	202.848	ppb	96.0796	47.4	3.7930
Ni 231.604	1.1906	ppb	0.3839	32.2	2.2131
Pb 220.353	-0.7537	ppb	0.7097	94.2	2.4020
Sb 206.834	0.6884	ppb	3.0662	445.4	4.8518
Se 196.026	-2.5461	ppb	4.8560	190.7	1.5548
Sn 189.925	1.2237	ppb	0.7702	62.9	0.3202
Sr 216.596	0.9952	ppb	0.2732	27.5	18.5130
Ti 334.941	1.3601	ppb	0.1016	7.5	286.576
Tl 190.794	0.6697	ppb	1.3825	206.4	1.7873
V 292.401	0.6320	ppb	0.2290	36.2	14.9096
Zn 206.200	1.8608	ppb	0.4387	23.6	6.2628

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271223/2-b (Samp) 4/3/2013, 7:58:09 AM Rack 2, Tube 56
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	33.5769	33.0107	34.7010
Al 308.215	4681.22	4680.47	4674.16
As 188.980	106.197	105.598	104.446
B 249.678	180.118	181.764	180.494
Ba 389.178	107.079	106.238	107.504
Be 313.042	49.3954	49.4162	49.2458
Ca 370.602	5012	5009	4992
Cd 226.502	54.6158	54.6681	54.6348
Co 228.615	53.3505	54.4383	55.2127
Cr 267.716	101.320	101.785	101.218
Cu 324.754	100.910	100.220	100.057
Fe 271.441	4943.83	4954.61	4965.41
K 766.491	5293.10	5294.33	5277.66
Mg 279.078	4888.67	4895.96	4882.27
Mn 257.610	529.264	530.507	530.063
Mo 202.032	99.6792	100.073	100.977
Na 330.237	4734.01	4767.07	4848.20
Ni 231.604	103.976	103.973	104.371
Pb 220.353	47.9541	49.1343	50.2186
Sb 206.834	55.1353	48.1223	42.8381
Se 196.026	99.4495	98.2565	92.0567
Sn 189.925	203.033	200.794	202.559
Sr 216.596	102.866	102.419	103.482
Ti 334.941	95.9510	95.8383	95.6708
Tl 190.794	42.8798	39.0653	39.3498
V 292.401	98.7593	99.1447	98.8264
Zn 206.200	105.616	105.702	105.504

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	33.7629	ppb	0.8604	2.5	2482.82
Al 308.215	4678.61	ppb	3.8789	0.1	24423.5
As 188.980	105.414	ppb	0.8897	0.8	75.0422
B 249.678	180.792	ppb	0.8624	0.5	2233.50
Ba 389.178	106.940	ppb	0.6444	0.6	2610.03
Be 313.042	49.3525	ppb	0.0930	0.2	104466
Ca 370.602	5004	ppb	10.52	0.2	17685
Cd 226.502	54.6396	ppb	0.0264	0.0	2149.73
Co 228.615	54.3338	ppb	0.9354	1.7	659.227
Cr 267.716	101.441	ppb	0.3025	0.3	5031.51
Cu 324.754	100.396	ppb	0.4530	0.5	4736.72
Fe 271.441	4954.62	ppb	10.7925	0.2	9483.85
K 766.491	5288.36	ppb	9.2904	0.2	282175
Mg 279.078	4888.97	ppb	6.8515	0.1	12245.9
Mn 257.610	529.945	ppb	0.6300	0.1	133379
Mo 202.032	100.243	ppb	0.6654	0.7	783.342
Na 330.237	4783.10	ppb	58.7569	1.2	272.983
Ni 231.604	104.107	ppb	0.2291	0.2	315.273
Pb 220.353	49.1023	ppb	1.1326	2.3	102.650
Sb 206.834	48.6986	ppb	6.1688	12.7	51.1365
Se 196.026	96.5875	ppb	3.9689	4.1	55.4769
Sn 189.925	202.129	ppb	1.1800	0.6	190.701
Sr 216.596	102.922	ppb	0.5339	0.5	1239.44
Ti 334.941	95.8201	ppb	0.1410	0.1	26430.9
Tl 190.794	40.4316	ppb	2.1250	5.3	43.1898
V 292.401	98.9101	ppb	0.2059	0.2	2913.61
Zn 206.200	105.607	ppb	0.0997	0.1	200.737

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271223/3-b (Samp) 4/3/2013, 8:04:45 AM Rack 2, Tube 57
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	196.231	196.129	196.947
Al 308.215	1889.01	1900.82	1906.04
As 188.980	214.688	212.580	213.016
B 249.678	360.301	362.102	364.651
Ba 389.178	206.797	207.638	208.049
Be 313.042	196.876	197.330	197.934
Ca 370.602	20065	20107	20151
Cd 226.502	213.196	213.095	213.562
Co 228.615	215.100	213.870	216.695
Cr 267.716	202.411	203.378	203.286
Cu 324.754	199.981	200.395	199.627
Fe 271.441	20522.2	20548.8	20587.4
K 766.491	20073.5	20156.2	20203.3
Mg 279.078	19748.4	19798.9	19842.7
Mn 257.610	2069.97	2080.43	2076.70
Mo 202.032	200.200	201.212	202.384
Na 330.237	16928.0	17004.6	16870.0
Ni 231.604	204.963	205.772	204.629
Pb 220.353	201.657	202.193	201.919
Sb 206.834	193.263	188.181	194.605
Se 196.026	189.064	186.260	188.955
Sn 189.925	199.138	200.821	203.026
Sr 216.596	214.589	215.057	217.008
Ti 334.941	192.280	193.185	193.807
Tl 190.794	42.0366	46.3321	40.0645
V 292.401	194.653	195.243	196.190
Zn 206.200	197.592	198.985	199.986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	196.436	ppb	0.4455	0.2	14854.9
Al 308.215	1898.62	ppb	8.7271	0.5	9981.50
As 188.980	213.428	ppb	1.1128	0.5	152.739
B 249.678	362.352	ppb	2.1855	0.6	4357.63
Ba 389.178	207.495	ppb	0.6379	0.3	5118.92
Be 313.042	197.380	ppb	0.5306	0.3	418584
Ca 370.602	20108	ppb	42.86	0.2	70961
Cd 226.502	213.284	ppb	0.2453	0.1	8369.99
Co 228.615	215.221	ppb	1.4164	0.7	2598.11
Cr 267.716	203.025	ppb	0.5335	0.3	10076.7
Cu 324.754	200.001	ppb	0.3843	0.2	9523.33
Fe 271.441	20552.8	ppb	32.7795	0.2	39336.2
K 766.491	20144.3	ppb	65.7091	0.3	1074276
Mg 279.078	19796.7	ppb	47.2143	0.2	49510.7
Mn 257.610	2075.70	ppb	5.3030	0.3	522055
Mo 202.032	201.265	ppb	1.0931	0.5	1560.89
Na 330.237	16934.2	ppb	67.4918	0.4	989.260
Ni 231.604	205.122	ppb	0.5874	0.3	622.800
Pb 220.353	201.923	ppb	0.2680	0.1	410.766
Sb 206.834	192.016	ppb	3.3890	1.8	189.921
Se 196.026	188.093	ppb	1.5883	0.8	105.605
Sn 189.925	200.995	ppb	1.9496	1.0	189.639
Sr 216.596	215.551	ppb	1.2828	0.6	2594.84
Ti 334.941	193.091	ppb	0.7677	0.4	53397.5
Tl 190.794	42.8111	ppb	3.2048	7.5	42.5659
V 292.401	195.362	ppb	0.7750	0.4	5757.89
Zn 206.200	198.854	ppb	1.2925	0.6	375.490

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-6-c (Samp) 4/3/2013, 8:11:12 AM Rack 2, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7434	0.7613	-0.1387u
Al 308.215	29.0551	28.1036	27.3371
As 188.980	2.0545	-6.3715u	-1.2049u
B 249.678	33.1474	32.8528	32.3050
Ba 389.178	159.580	160.356	160.836
Be 313.042	0.0775	0.0736	0.0676
Ca 370.602	67545	67685	67409
Cd 226.502	0.0744	0.0907	0.0271
Co 228.615	-0.3584u	-0.1628u	-0.4272u
Cr 267.716	0.4805	0.4241	0.7206
Cu 324.754	0.7926	0.3661	0.6389
Fe 271.441	39.6032	31.6491	37.5617
K 766.491	1601.05	1603.08	1606.26
Mg 279.078	15775.3	15787.1	15770.9
Mn 257.610	1.9305	1.9459	1.9887
Mo 202.032	2.6104	2.2235	2.0253
Na 330.237	34278.0	34483.8	34129.3
Ni 231.604	0.8056	1.1232	-0.0482u
Pb 220.353	-1.1906u	-0.8049u	-2.3087u
Sb 206.834	-5.2555u	-5.8667u	9.2131
Se 196.026	-4.7645u	0.9693	-5.7684u
Sn 189.925	0.5603	-0.3264u	0.4662
Sr 216.596	413.963	414.532	411.531
Ti 334.941	0.4567	0.4490	0.5875
Tl 190.794	0.2970	-3.1164u	-5.4561u
V 292.401	0.5034	0.1956	0.1746
Zn 206.200	1.4519	3.3170	3.8165

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4553	ppb	0.5145	113.0	-68.4854
Al 308.215	28.1653	ppb	0.8607	3.1	235.901
As 188.980	-1.8406	ppb	4.2488	230.8	-1.4856
B 249.678	32.7684	ppb	0.4275	1.3	492.630
Ba 389.178	160.258	ppb	0.6336	0.4	3927.96
Be 313.042	0.0729	ppb	0.0050	6.9	-72.8300
Ca 370.602	67546	ppb	138.0	0.2	244327
Cd 226.502	0.0641	ppb	0.0330	51.5	11.0681
Co 228.615	-0.3161	ppb	0.1372	43.4	1.0888
Cr 267.716	0.5417	ppb	0.1574	29.1	27.0748
Cu 324.754	0.5992	ppb	0.2160	36.1	-55.9749
Fe 271.441	36.2713	ppb	4.1311	11.4	69.5245
K 766.491	1603.46	ppb	2.6296	0.2	85701.3
Mg 279.078	15777.8	ppb	8.4176	0.1	39493.5
Mn 257.610	1.9550	ppb	0.0302	1.5	761.324
Mo 202.032	2.2864	ppb	0.2976	13.0	28.8591
Na 330.237	34297.0	ppb	178.022	0.5	2033.32
Ni 231.604	0.6269	ppb	0.6058	96.6	0.4999
Pb 220.353	-1.4347	ppb	0.7811	54.4	1.0277
Sb 206.834	-0.6364	ppb	8.5354	1341.3	3.5585
Se 196.026	-3.1879	ppb	3.6350	114.0	1.2076
Sn 189.925	0.2334	ppb	0.4871	208.7	-0.5727
Sr 216.596	413.342	ppb	1.5937	0.4	4978.58
Ti 334.941	0.4977	ppb	0.0779	15.6	115.836
Tl 190.794	-2.7585	ppb	2.8932	104.9	-1.8800
V 292.401	0.2912	ppb	0.1841	63.2	4.2692
Zn 206.200	2.8618	ppb	1.2463	43.5	8.1419

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-7-c (Samp) 4/3/2013, 8:17:38 AM Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1523u	0.5419	-0.3172u
Al 308.215	3.6445	1.7394	2.2871
As 188.980	-0.7577u	-0.8930u	0.7409
B 249.678	18.6144	17.4715	17.7879
Ba 389.178	132.492	130.614	131.389
Be 313.042	0.0205	0.0177	0.0237
Ca 370.602	36499	36380	36472
Cd 226.502	0.0613	0.0416	-0.0065u
Co 228.615	-0.4949u	-0.0695u	-0.5012u
Cr 267.716	1.3239	1.5701	1.4917
Cu 324.754	1.0706	1.3921	1.2867
Fe 271.441	7.7807	14.4580	10.7372
K 766.491	1497.20	1488.17	1485.51
Mg 279.078	8995.24	8972.32	8993.71
Mn 257.610	-0.3465u	-0.3615u	-0.3720u
Mo 202.032	-0.1997u	-0.0967u	-0.0770u
Na 330.237	24658.2	24407.2	24589.9
Ni 231.604	0.8285	2.5807	1.2150
Pb 220.353	-1.2526u	-1.1733u	0.0515
Sb 206.834	-7.5272u	-1.6577u	-2.3716u
Se 196.026	-2.0310u	-3.4914u	4.9336
Sn 189.925	-1.6656u	-1.9337u	1.8155
Sr 216.596	157.367	158.273	158.688
Ti 334.941	-0.0121	-0.0205	-0.0259
Tl 190.794	0.7441	-2.9406u	-2.0512u
V 292.401	0.2701	0.1300	-0.0625u
Zn 206.200	0.8512	2.7687	2.3320

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0241	ppb	0.4559	1890.5	-88.6835
Al 308.215	2.5570	ppb	0.9808	38.4	102.473
As 188.980	-0.3032	ppb	0.9068	299.0	-0.6771
B 249.678	17.9579	ppb	0.5901	3.3	317.911
Ba 389.178	131.498	ppb	0.9436	0.7	3210.19
Be 313.042	0.0206	ppb	0.0030	14.8	-193.630
Ca 370.602	36450	ppb	62.70	0.2	131847
Cd 226.502	0.0321	ppb	0.0349	108.4	9.7180
Co 228.615	-0.3552	ppb	0.2475	69.7	0.6905
Cr 267.716	1.4619	ppb	0.1258	8.6	72.5023
Cu 324.754	1.2498	ppb	0.1639	13.1	-24.8227
Fe 271.441	10.9919	ppb	3.3459	30.4	21.2370
K 766.491	1490.29	ppb	6.1256	0.4	79667.1
Mg 279.078	8987.09	ppb	12.8141	0.1	22507.5
Mn 257.610	-0.3600	ppb	0.0128	3.6	118.745
Mo 202.032	-0.1245	ppb	0.0659	52.9	10.2809
Na 330.237	24551.7	ppb	129.773	0.5	1453.24
Ni 231.604	1.5414	ppb	0.9206	59.7	3.2800
Pb 220.353	-0.7915	ppb	0.7311	92.4	2.3281
Sb 206.834	-3.8522	ppb	3.2026	83.1	0.5081
Se 196.026	-0.1963	ppb	4.5022	2293.8	2.8287
Sn 189.925	-0.5946	ppb	2.0915	351.7	-1.3759
Sr 216.596	158.109	ppb	0.6751	0.4	1909.65
Ti 334.941	-0.0195	ppb	0.0070	35.7	-56.7602
Tl 190.794	-1.4159	ppb	1.9228	135.8	-0.4395
V 292.401	0.1125	ppb	0.1670	148.4	-0.5925
Zn 206.200	1.9839	ppb	1.0950	50.7	64902

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-8-c (Samp) 4/3/2013, 8:24:04 AM Rack 2, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0676	-0.0892u	0.2166
Al 308.215	-0.7790u	-1.7597u	-0.2395u
As 188.980	4.1693	-0.4304u	-1.2065u
B 249.678	-3.6510u	-4.4571u	-4.8654u
Ba 389.178	-0.4859u	-0.3348u	0.0659
Be 313.042	0.0103	0.0138	0.0038
Ca 370.602	11.52	14.97	12.28
Cd 226.502	0.0619	0.0114	-0.0366u
Co 228.615	-0.3668u	0.2784	0.0204
Cr 267.716	0.1817	0.0595	0.0261
Cu 324.754	0.4942	0.4735	0.9466
Fe 271.441	125.436	130.189	136.927
K 766.491	1.0614	1.6670	0.7296
Mg 279.078	2.6373	1.9004	1.9266
Mn 257.610	-0.0253u	-0.0119u	-0.0172u
Mo 202.032	-0.5366u	-0.3443u	-0.4357u
Na 330.237	-118.898u	25.5398	126.259
Ni 231.604	0.0770	0.1553	0.9995
Pb 220.353	-1.8090u	0.1571	-0.5311u
Sb 206.834	-4.9680u	-1.9857u	-2.7296u
Se 196.026	0.8810	-7.7062u	-4.9142u
Sn 189.925	0.3635	-0.9616u	-2.1383u
Sr 216.596	0.6127	0.1032	0.5510
Ti 334.941	-0.0513u	0.2785	0.0743
Tl 190.794	-1.5394u	-2.0003u	-3.9664u
V 292.401	-0.1275u	0.1970	-0.0663u
Zn 206.200	-0.6193u	0.1506	-1.2649u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0650	ppb	0.1529	235.3	-77.6421
Al 308.215	-0.9261	ppb	0.7707	83.2	84.3355
As 188.980	0.8441	ppb	2.9057	344.2	-0.2035
B 249.678	-4.3245	ppb	0.6180	14.3	54.8487
Ba 389.178	-0.2516	ppb	0.2851	113.3	-16.7965
Be 313.042	0.0093	ppb	0.0051	54.9	-227.779
Ca 370.602	12.92	ppb	1.811	14.0	31.49
Cd 226.502	0.0122	ppb	0.0493	402.8	9.2763
Co 228.615	-0.0227	ppb	0.3247	1431.6	4.6987
Cr 267.716	0.0891	ppb	0.0819	91.9	4.0109
Cu 324.754	0.6381	ppb	0.2674	41.9	-54.1517
Fe 271.441	130.851	ppb	5.7739	4.4	250.416
K 766.491	1.1526	ppb	0.4753	41.2	268.208
Mg 279.078	2.1548	ppb	0.4181	19.4	32.8169
Mn 257.610	-0.0181	ppb	0.0067	37.2	124.842
Mo 202.032	-0.4389	ppb	0.0962	21.9	7.8516
Na 330.237	10.9668	ppb	123.227	1123.6	-7.6383
Ni 231.604	0.4106	ppb	0.5115	124.6	-0.1556
Pb 220.353	-0.7276	ppb	0.9977	137.1	2.4572
Sb 206.834	-3.2278	ppb	1.5523	48.1	1.1008
Se 196.026	-3.9131	ppb	4.3802	111.9	0.8143
Sn 189.925	-0.9121	ppb	1.2516	137.2	-1.7038
Sr 216.596	0.4223	ppb	0.2781	65.8	11.7342
Ti 334.941	0.1005	ppb	0.1664	165.5	-61.7994
Tl 190.794	-2.5020	ppb	1.2889	51.5	-1.6059
V 292.401	0.0011	ppb	0.1724	16397.3	-3.6676
Zn 206.200	-0.5779	ppb	0.7987	137.6	-1.6838

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 8:30:31 AM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	477.809	483.571	480.475
Al 308.215	4738.62	4778.09	4713.87
As 188.980	457.517	480.495	467.298
B 249.678	472.867	477.652	477.961
Ba 389.178	4971.93	5014.85	4970.44
Be 313.042	457.484	460.784	455.682
Ca 370.602	5020	5062	5004
Cd 226.502	496.378	502.166	498.855
Co 228.615	498.201	506.058	499.213
Cr 267.716	4753.00	4777.78	4725.53
Cu 324.754	4704.63	4754.02	4641.27
Fe 271.441	4936.85	4975.22	4934.68
K 766.491	9811.63	9912.26	9860.94
Mg 279.078	4801.70	4848.05	4806.58
Mn 257.610	4846.70	4890.53	4840.27
Mo 202.032	494.577	498.755	496.355
Na 330.237	7183.23	7146.03	6912.70
Ni 231.604	2421.21	2437.43	2421.02
Pb 220.353	498.155	505.973	503.686
Sb 206.834	960.707	961.894	953.453
Se 196.026	4746.85	4806.53	4753.43
Sn 189.925	5032.59	5107.38	5013.57
Sr 216.596	2457.82	2470.12	2445.32
Ti 334.941	481.688	485.106	479.568
Tl 190.794	5212.94	5277.78	5245.33
V 292.401	4793.97	4829.42	4790.30
Zn 206.200	2452.03	2462.84	2457.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.618	ppb	2.8837	0.6	36398.6	96.12369
Al 308.215	4743.53	ppb	32.3909	0.7	24733.4	94.87051
As 188.980	468.437	ppb	11.5312	2.5	336.279	93.68736
B 249.678	476.160	ppb	2.8560	0.6	5718.56	19.04640Q
Ba 389.178	4985.74	ppb	25.2196	0.5	121213	99.71485
Be 313.042	457.983	ppb	2.5874	0.6	971381	91.59663
Ca 370.602	5029	ppb	29.66	0.6	18039	100.57268
Cd 226.502	499.133	ppb	2.9037	0.6	19467.7	99.82660
Co 228.615	501.157	ppb	4.2739	0.9	6056.11	100.23143
Cr 267.716	4752.10	ppb	26.1344	0.5	235586	95.04207
Cu 324.754	4699.97	ppb	56.5211	1.2	225453	93.99945
Fe 271.441	4948.92	ppb	22.8048	0.5	9596.15	98.97834
K 766.491	9861.61	ppb	50.3183	0.5	526014	98.61613
Mg 279.078	4818.78	ppb	25.4710	0.5	11988.3	96.37553
Mn 257.610	4859.17	ppb	27.3529	0.6	1221448	97.18335
Mo 202.032	496.562	ppb	2.0969	0.4	3828.25	99.31248
Na 330.237	7080.65	ppb	146.637	2.1	386.022	94.40873
Ni 231.604	2426.55	ppb	9.4200	0.4	7377.20	97.06208
Pb 220.353	502.605	ppb	4.0192	0.8	1016.53	100.52091
Sb 206.834	958.685	ppb	4.5698	0.5	968.853	95.86848
Se 196.026	4768.94	ppb	32.7224	0.7	2589.89	95.37875
Sn 189.925	5051.18	ppb	49.5913	1.0	4785.65	101.02357
Sr 216.596	2457.75	ppb	12.4009	0.5	29462.6	98.31016
Ti 334.941	482.121	ppb	2.7945	0.6	133259	96.42416
Tl 190.794	5245.35	ppb	32.4194	0.6	5597.22	104.90696
V 292.401	4804.57	ppb	21.6054	0.4	142604	96.09132
Zn 206.200	2457.33	ppb	5.4074	0.2	4600.22	98.29319

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 8:37:07 AM Rack 3, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.0647	0.4956	0.0130
Al 308.215	-5.6693u	1.2035	-0.2508u
As 188.980	1.2489	-0.2830u	4.6361
B 249.678	0.0129	3.3390	2.1252
Ba 389.178	0.7931	0.5025	2.6114
Be 313.042	0.0904	0.1146	0.1271
Ca 370.602	3.092	3.159	3.949
Cd 226.502	0.0622	-0.0513u	0.2253
Co 228.615	-0.1507u	-0.4144u	-0.6211u
Cr 267.716	0.5630	0.7790	1.0622
Cu 324.754	1.2322	0.9994	1.7527
Fe 271.441	1.4891	4.4527	4.5774
K 766.491	1.5928	4.2156	4.7695
Mg 279.078	-5.4025u	-0.0778u	2.5009
Mn 257.610	0.2850	0.7867	1.1239
Mo 202.032	0.3258	-0.0812u	0.3770
Na 330.237	86.1167	61.3536	-22.9955u
Ni 231.604	0.5345	2.0908	1.4702
Pb 220.353	-0.9935u	1.4207	-2.5807u
Sb 206.834	-0.3089u	0.6378	-0.8052u
Se 196.026	-0.8488u	-4.4406u	1.2014
Sn 189.925	2.8484	0.3876	0.8111
Sr 216.596	0.4061	1.3047	0.6724
Ti 334.941	0.2650	0.2152	0.0862
Tl 190.794	0.0840	4.8768	1.6795
V 292.401	0.7721	1.0248	1.1146
Zn 206.200	-0.3921u	-0.6637u	0.8170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5245	ppb	0.5265	100.4	-42.7238	0.52445
Al 308.215	-1.5722	ppb	3.6219	230.4	81.0244	-1.57221
As 188.980	1.8673	ppb	2.5172	134.8	0.5343	1.86730
B 249.678	1.8257	ppb	1.6832	92.2	127.563	1.82568
Ba 389.178	1.3023	ppb	1.1430	87.8	20.7861	1.30233
Be 313.042	0.1107	ppb	0.0187	16.9	-12.7821	0.11069
Ca 370.602	3.400	ppb	0.4767	14.0	8.611	3.39981
Cd 226.502	0.0787	ppb	0.1390	176.6	11.5510	0.07873
Co 228.615	-0.3954	ppb	0.2358	59.6	0.1943	-0.39539
Cr 267.716	0.8014	ppb	0.2504	31.2	39.2904	0.80140
Cu 324.754	1.3281	ppb	0.3857	29.0	-21.0673	1.32808
Fe 271.441	3.5064	ppb	1.7481	49.9	6.9404	3.50643
K 766.491	3.5260	ppb	1.6969	48.1	394.750	3.52596
Mg 279.078	-0.9932	ppb	4.0305	405.8	24.9031	-0.99315
Mn 257.610	0.7319	ppb	0.4221	57.7	312.941	0.73188
Mo 202.032	0.2072	ppb	0.2511	121.2	12.8354	0.20720
Na 330.237	41.4916	ppb	57.2035	137.9	-5.7866	41.49157
Ni 231.604	1.3652	ppb	0.7835	57.4	2.7440	1.36516
Pb 220.353	-0.7178	ppb	2.0149	280.7	2.4763	-0.71783
Sb 206.834	-0.1588	ppb	0.7331	461.7	4.0483	-0.15878
Se 196.026	-1.3627	ppb	2.8559	209.6	2.1965	-1.36266
Sn 189.925	1.3490	ppb	1.3157	97.5	0.4388	1.34905
Sr 216.596	0.7944	ppb	0.4615	58.1	16.1056	0.79438
Ti 334.941	0.1888	ppb	0.0923	48.9	-37.4241	0.18877
Tl 190.794	2.2134	ppb	2.4406	110.3	3.4356	2.21344
V 292.401	0.9705	ppb	0.1776	18.3	25.0299	0.97051
Zn 206.200	-0.0796	ppb	0.7882	990.3	2.46168	-0.07960

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-8-cSD^5 (Samp) 4/3/2013, 8:43:35 AM Rack 3, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2967	0.3035	-0.0755u
Al 308.215	-1.0602u	-2.6769u	-0.7966u
As 188.980	6.0929	1.3384	2.5993
B 249.678	-2.9135u	-2.3840u	-2.7861u
Ba 389.178	-0.0852u	-0.0446u	1.1777
Be 313.042	0.0109	0.0028	0.0092
Ca 370.602	3.201	1.088	-1.112u
Cd 226.502	0.0526	0.0532	0.1784
Co 228.615	-0.1352u	-0.3071u	-0.6021u
Cr 267.716	0.3287	0.1558	-0.0772u
Cu 324.754	0.1858	1.0426	0.3359
Fe 271.441	29.3640	28.3579	28.6356
K 766.491	-0.1449u	0.5106	0.4469
Mg 279.078	-5.2270u	2.2912	-1.8768u
Mn 257.610	-0.2157u	-0.2491u	-0.2338u
Mo 202.032	-0.0315u	0.0480	-0.1977u
Na 330.237	59.5351	103.027	38.3647
Ni 231.604	0.5952	0.7530	0.1909
Pb 220.353	-0.6531u	-0.9619u	-1.1596u
Sb 206.834	-2.3493u	-0.5994u	-7.9853u
Se 196.026	-7.4160u	-2.2093u	-7.4064u
Sn 189.925	1.2923	0.0382	-2.7354u
Sr 216.596	0.2331	0.3420	0.6256
Ti 334.941	0.0376	0.0692	-0.0312u
Tl 190.794	1.0188	-2.5066u	-0.0016u
V 292.401	0.2350	0.0018	-0.3080u
Zn 206.200	0.0395	0.2284	0.6350

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1749	ppb	0.2169	124.0	-69.2787
Al 308.215	-1.5112	ppb	1.0181	67.4	81.3208
As 188.980	3.3436	ppb	2.4631	73.7	1.5970
B 249.678	-2.6945	ppb	0.2764	10.3	74.2004
Ba 389.178	0.3493	ppb	0.7177	205.5	-2.3507
Be 313.042	0.0076	ppb	0.0042	55.4	-231.417
Ca 370.602	1.059	ppb	2.156	203.6	-2.065
Cd 226.502	0.0948	ppb	0.0724	76.5	12.2334
Co 228.615	-0.3481	ppb	0.2362	67.8	0.7674
Cr 267.716	0.1358	ppb	0.2037	150.0	6.3005
Cu 324.754	0.5214	ppb	0.4575	87.7	-59.7732
Fe 271.441	28.7859	ppb	0.5196	1.8	55.2238
K 766.491	0.2709	ppb	0.3615	133.4	221.193
Mg 279.078	-1.6042	ppb	3.7666	234.8	23.3971
Mn 257.610	-0.2329	ppb	0.0167	7.2	70.5318
Mo 202.032	-0.0604	ppb	0.1254	207.6	10.7738
Na 330.237	66.9755	ppb	32.9669	49.2	-4.2785
Ni 231.604	0.5131	ppb	0.2899	56.5	0.1536
Pb 220.353	-0.9248	ppb	0.2553	27.6	2.0596
Sb 206.834	-3.6447	ppb	3.8596	105.9	0.6954
Se 196.026	-5.6772	ppb	3.0033	52.9	-0.1429
Sn 189.925	-0.4683	ppb	2.0610	440.1	-1.2832
Sr 216.596	0.4002	ppb	0.2026	50.6	11.4006
Ti 334.941	0.0252	ppb	0.0513	203.5	-82.6653
Tl 190.794	-0.4965	ppb	1.8140	365.4	0.5414
V 292.401	-0.0237	ppb	0.2724	1148.5	-4.4559
Zn 206.200	0.3010	ppb	0.3043	319.1	2.3344

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-8-cPDS (Samp) 4/3/2013, 8:50:01 AM Rack 3, Tube 4**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.1815	48.8692	48.2372
Al 308.215	1884.66	1874.69	1889.65
As 188.980	2163.98	2150.35	2192.22
B 249.678	922.201	924.449	941.386
Ba 389.178	2202.70	2196.92	2211.78
Be 313.042	49.2889	49.0211	49.3758
Ca 370.602	5213	5194	5241
Cd 226.502	55.0080	55.1272	55.8653
Co 228.615	553.197	549.258	553.702
Cr 267.716	206.663	205.890	207.236
Cu 324.754	253.125	249.692	251.035
Fe 271.441	1136.90	1133.75	1144.42
K 766.491	5528.61	5512.26	5537.63
Mg 279.078	5067.01	5038.38	5091.39
Mn 257.610	538.985	536.554	542.115
Mo 202.032	520.828	521.204	527.971
Na 330.237	4973.69	4929.55	5055.09
Ni 231.604	532.003	530.813	537.555
Pb 220.353	517.130	521.809	529.924
Sb 206.834	488.009	488.105	486.860
Se 196.026	1959.97	1959.90	1985.83
Sn 189.925	1055.76	1054.98	1063.18
Sr 216.596	532.124	528.135	533.504
Ti 334.941	985.381	980.556	986.724
Tl 190.794	2244.21	2235.97	2259.84
V 292.401	497.676	496.507	500.530
Zn 206.200	530.043	531.500	535.960

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7626	ppb	0.4811	1.0	3605.02
Al 308.215	1883.00	ppb	7.6171	0.4	9935.45
As 188.980	2168.85	ppb	21.3585	1.0	1560.55
B 249.678	929.345	ppb	10.4880	1.1	11070.3
Ba 389.178	2203.80	ppb	7.4925	0.3	53576.9
Be 313.042	49.2286	ppb	0.1849	0.4	104108
Ca 370.602	5216	ppb	23.83	0.5	18991
Cd 226.502	55.3335	ppb	0.4644	0.8	2167.34
Co 228.615	552.052	ppb	2.4330	0.4	6670.11
Cr 267.716	206.596	ppb	0.6754	0.3	10242.2
Cu 324.754	251.284	ppb	1.7304	0.7	11985.1
Fe 271.441	1138.36	ppb	5.4816	0.5	2273.23
K 766.491	5526.17	ppb	12.8606	0.2	294854
Mg 279.078	5065.59	ppb	26.5298	0.5	12687.7
Mn 257.610	539.218	ppb	2.7877	0.5	135700
Mo 202.032	523.334	ppb	4.0199	0.8	4043.44
Na 330.237	4986.11	ppb	63.6847	1.3	274.468
Ni 231.604	533.457	ppb	3.5983	0.7	1620.72
Pb 220.353	522.954	ppb	6.4735	1.2	1056.06
Sb 206.834	487.658	ppb	0.6929	0.1	468.221
Se 196.026	1968.57	ppb	14.9542	0.8	1070.40
Sn 189.925	1057.97	ppb	4.5257	0.4	1001.70
Sr 216.596	531.254	ppb	2.7880	0.5	6356.58
Ti 334.941	984.220	ppb	3.2442	0.3	272111
Tl 190.794	2246.67	ppb	12.1250	0.5	2399.65
V 292.401	498.238	ppb	2.0696	0.4	14716.9
Zn 206.200	532.501	ppb	3.0829	0.6	4102.12

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-9-e (Samp) **4/3/2013, 8:56:38 AM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6458u	0.6510	1.0308
Al 308.215	-0.8997u	-0.3883u	-1.3945u
As 188.980	-1.4297u	-0.1238u	1.6765
B 249.678	10.4432	8.4540	8.0713
Ba 389.178	0.7776	0.5088	0.6262
Be 313.042	0.0246	0.0232	0.0212
Ca 370.602	20.29	23.67	24.95
Cd 226.502	0.0654	0.1372	-0.0572u
Co 228.615	-0.6763u	-0.3701u	0.3893
Cr 267.716	-0.0909u	0.2266	0.0417
Cu 324.754	0.7544	0.7847	1.1351
Fe 271.441	1.1821	-3.4420u	3.1659
K 766.491	5.4444	4.9174	4.6705
Mg 279.078	1.9843	-2.6473u	3.2123
Mn 257.610	-0.1487u	-0.1221u	-0.1317u
Mo 202.032	0.1397	0.6982	0.7262
Na 330.237	-20.0599u	169.680	218.452
Ni 231.604	0.7312	0.8432	0.4686
Pb 220.353	-0.3592u	-0.7397u	-2.6960u
Sb 206.834	-1.9620u	-2.0343u	-1.0177u
Se 196.026	-2.7774u	3.1938	-2.0709u
Sn 189.925	0.2686	-1.8845u	-3.5385u
Sr 216.596	0.6413	0.5852	0.1557
Ti 334.941	0.3603	0.3626	0.3669
Tl 190.794	-1.5107u	0.0326	0.8754
V 292.401	0.4090	-0.0562u	0.1459
Zn 206.200	-0.3382u	-0.0553u	0.5262

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3453	ppb	0.8791	254.6	-56.3315
Al 308.215	-0.8941	ppb	0.5031	56.3	84.6005
As 188.980	0.0410	ppb	1.5597	3804.5	-0.7804
B 249.678	8.9895	ppb	1.2734	14.2	212.093
Ba 389.178	0.6375	ppb	0.1348	21.1	4.6284
Be 313.042	0.0230	ppb	0.0017	7.5	-198.945
Ca 370.602	22.97	ppb	2.410	10.5	79.61
Cd 226.502	0.0485	ppb	0.0983	202.8	10.3659
Co 228.615	-0.2190	ppb	0.5486	250.5	2.3140
Cr 267.716	0.0591	ppb	0.1595	269.7	2.4936
Cu 324.754	0.8914	ppb	0.2116	23.7	-42.0089
Fe 271.441	0.3020	ppb	3.3907	1122.9	0.8128
K 766.491	5.0108	ppb	0.3953	7.9	473.918
Mg 279.078	0.8497	ppb	3.0902	363.7	29.5272
Mn 257.610	-0.1342	ppb	0.0135	10.0	95.2909
Mo 202.032	0.5214	ppb	0.3308	63.4	15.2586
Na 330.237	122.691	ppb	126.008	102.7	-0.9544
Ni 231.604	0.6810	ppb	0.1922	28.2	0.6636
Pb 220.353	-1.2650	ppb	1.2539	99.1	1.3728
Sb 206.834	-1.6713	ppb	0.5672	33.9	2.5832
Se 196.026	-0.5515	ppb	3.2627	591.6	2.6360
Sn 189.925	-1.7181	ppb	1.9090	111.1	-2.4676
Sr 216.596	0.4607	ppb	0.2657	57.7	12.0931
Ti 334.941	0.3633	ppb	0.0034	0.9	10.8382
Tl 190.794	-0.2009	ppb	1.2100	602.3	0.8583
V 292.401	0.1662	ppb	0.2333	140.3	1.0668
Zn 206.200	0.0442	ppb	0.4497	996.7	2.8518

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-9-f ms (Samp) 4/3/2013, 9:03:05 AM Rack 3, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	24.6816	24.2946	23.6499
Al 308.215	4657.48	4626.72	4649.90
As 188.980	103.447	102.261	107.368
B 249.678	175.895	175.978	177.225
Ba 389.178	105.753	105.013	106.239
Be 313.042	48.7957	48.5761	48.7484
Ca 370.602	5014	4991	5008
Cd 226.502	53.7318	54.0770	54.1307
Co 228.615	53.8565	53.3035	53.5700
Cr 267.716	100.961	100.481	100.783
Cu 324.754	99.5657	98.5674	98.7596
Fe 271.441	4917.62	4886.72	4903.98
K 766.491	5267.82	5239.13	5287.41
Mg 279.078	4847.59	4813.94	4850.89
Mn 257.610	524.785	521.990	524.169
Mo 202.032	99.3895	99.8850	99.6362
Na 330.237	4803.06	4792.07	4691.23
Ni 231.604	103.004	101.430	103.851
Pb 220.353	48.3577	49.8503	51.0173
Sb 206.834	51.6074	38.9943	42.0641
Se 196.026	79.7109	93.0386	87.0996
Sn 189.925	198.400	198.143	196.550
Sr 216.596	103.282	101.563	103.026
Ti 334.941	95.4531	95.0195	95.3500
Tl 190.794	38.9930	44.7114	38.1690
V 292.401	98.7757	97.6810	98.2966
Zn 206.200	103.434	104.618	103.574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.2087	ppb	0.5212	2.2	1756.31
Al 308.215	4644.70	ppb	16.0246	0.3	24247.1
As 188.980	104.359	ppb	2.6729	2.6	74.2833
B 249.678	176.366	ppb	0.7449	0.4	2181.33
Ba 389.178	105.668	ppb	0.6173	0.6	2578.87
Be 313.042	48.7067	ppb	0.1156	0.2	103095
Ca 370.602	5004	ppb	12.33	0.2	17689
Cd 226.502	53.9799	ppb	0.2165	0.4	2123.91
Co 228.615	53.5766	ppb	0.2766	0.5	650.100
Cr 267.716	100.742	ppb	0.2430	0.2	4996.81
Cu 324.754	98.9643	ppb	0.5297	0.5	4667.99
Fe 271.441	4902.77	ppb	15.4851	0.3	9384.67
K 766.491	5264.79	ppb	24.2823	0.5	280918
Mg 279.078	4837.47	ppb	20.4493	0.4	12117.2
Mn 257.610	523.648	ppb	1.4686	0.3	131796
Mo 202.032	99.6369	ppb	0.2478	0.2	778.673
Na 330.237	4762.12	ppb	61.6402	1.3	271.778
Ni 231.604	102.762	ppb	1.2286	1.2	311.181
Pb 220.353	49.7417	ppb	1.3331	2.7	103.941
Sb 206.834	44.2219	ppb	6.5776	14.9	46.8309
Se 196.026	86.6164	ppb	6.6770	7.7	50.0691
Sn 189.925	197.698	ppb	1.0019	0.5	186.503
Sr 216.596	102.624	ppb	0.9278	0.9	1235.88
Ti 334.941	95.2742	ppb	0.2265	0.2	26279.7
Tl 190.794	40.6245	ppb	3.5633	8.8	43.4064
V 292.401	98.2511	ppb	0.5488	0.6	2894.23
Zn 206.200	103.875	ppb	0.6471	0.6	197.487

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

460-53091-d-9-g msd (Samp) 4/3/2013, 9:09:31 AM Rack 3, Tube 7**Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.7394	18.3181	19.3171
Al 308.215	4681.20	4690.58	4730.35
As 188.980	102.757	107.611	101.019
B 249.678	178.114	179.470	182.170
Ba 389.178	107.437	106.463	107.886
Be 313.042	49.2317	49.3473	49.6319
Ca 370.602	5039	5063	5100
Cd 226.502	54.7233	55.4101	55.4159
Co 228.615	54.4422	54.3685	54.4272
Cr 267.716	101.820	101.907	103.039
Cu 324.754	100.193	99.0942	101.251
Fe 271.441	4957.85	4971.67	5015.09
K 766.491	5331.70	5343.21	5362.18
Mg 279.078	4896.19	4904.93	4957.44
Mn 257.610	529.515	531.731	535.250
Mo 202.032	100.179	100.165	102.505
Na 330.237	4928.97	4891.95	4878.95
Ni 231.604	104.771	104.532	103.158
Pb 220.353	51.5128	52.1944	48.2321
Sb 206.834	44.0999	41.4790	44.0580
Se 196.026	89.6283	92.4257	98.3452
Sn 189.925	201.375	203.248	204.212
Sr 216.596	103.360	103.876	105.271
Ti 334.941	96.2405	96.5800	97.1562
Tl 190.794	43.0260	39.8397	40.1886
V 292.401	98.9033	98.9572	100.052
Zn 206.200	105.856	106.559	106.748

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.1249	ppb	0.7299	3.8	1369.66
Al 308.215	4700.71	ppb	26.0940	0.6	24538.4
As 188.980	103.796	ppb	3.4166	3.3	73.8773
B 249.678	179.918	ppb	2.0650	1.1	2223.15
Ba 389.178	107.262	ppb	0.7274	0.7	2617.96
Be 313.042	49.4036	ppb	0.2060	0.4	104574
Ca 370.602	5067	ppb	30.58	0.6	17909
Cd 226.502	55.1831	ppb	0.3982	0.7	2170.99
Co 228.615	54.4127	ppb	0.0390	0.1	660.161
Cr 267.716	102.255	ppb	0.6803	0.7	5071.89
Cu 324.754	100.180	ppb	1.0787	1.1	4726.38
Fe 271.441	4981.54	ppb	29.8696	0.6	9535.36
K 766.491	5345.70	ppb	15.3948	0.3	285232
Mg 279.078	4919.52	ppb	33.1266	0.7	12322.3
Mn 257.610	532.165	ppb	2.8923	0.5	133937
Mo 202.032	100.950	ppb	1.3471	1.3	788.783
Na 330.237	4899.96	ppb	25.9532	0.5	279.921
Ni 231.604	104.154	ppb	0.8704	0.8	315.417
Pb 220.353	50.6464	ppb	2.1185	4.2	105.761
Sb 206.834	43.2123	ppb	1.5012	3.5	45.8642
Se 196.026	93.4664	ppb	4.4507	4.8	53.7857
Sn 189.925	202.945	ppb	1.4425	0.7	191.475
Sr 216.596	104.169	ppb	0.9889	0.9	1254.41
Ti 334.941	96.6589	ppb	0.4629	0.5	26663.0
Tl 190.794	41.0181	ppb	1.7476	4.3	43.8096
V 292.401	99.3041	ppb	0.6481	0.7	2925.14
Zn 206.200	106.388	ppb	0.4702	0.4	202.200

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271070/1-a (Samp) 4/3/2013, 9:15:57 AM Rack 3, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2620	-0.2579u	0.0694
Al 308.215	5.3625	3.0544	3.8472
As 188.980	-2.8994u	1.0291	-1.0058u
B 249.678	-0.2437u	0.2829	0.7714
Ba 389.178	0.4167	-0.0999u	0.4282
Be 313.042	0.0379	0.0469	0.0489
Ca 370.602	9.372	9.685	13.98
Cd 226.502	-0.0044u	0.0976	-0.0447u
Co 228.615	0.2322	0.0955	-0.7288u
Cr 267.716	0.2066	0.3716	0.3545
Cu 324.754	0.9395	0.7941	0.7486
Fe 271.441	8.7596	3.9016	2.9648
K 766.491	2.1299	2.7496	2.3780
Mg 279.078	5.5846	4.8636	6.4193
Mn 257.610	0.5597	0.5977	0.4948
Mo 202.032	0.4281	-0.2182u	-0.2825u
Na 330.237	127.248	82.6414	209.983
Ni 231.604	-0.9507u	0.8185	0.0565
Pb 220.353	-1.6275u	-0.8934u	-1.4981u
Sb 206.834	0.5125	-5.7948u	0.3003
Se 196.026	-0.0066u	-0.8405u	2.1433
Sn 189.925	1.7480	0.6347	3.3824
Sr 216.596	0.4270	0.0199	0.1536
Ti 334.941	0.2321	0.2092	0.2685
Tl 190.794	-1.3625u	-0.9299u	-0.5616u
V 292.401	0.4486	0.2030	0.5987
Zn 206.200	1.0481	-0.8184u	1.0313

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0245	ppb	0.2628	1073.3	-80.7250
Al 308.215	4.0881	ppb	1.1727	28.7	110.427
As 188.980	-0.9587	ppb	1.9647	204.9	-1.5002
B 249.678	0.2702	ppb	0.5077	187.9	109.207
Ba 389.178	0.2483	ppb	0.3016	121.5	-4.8158
Be 313.042	0.0446	ppb	0.0059	13.1	-153.027
Ca 370.602	11.01	ppb	2.575	23.4	36.02
Cd 226.502	0.0162	ppb	0.0733	452.6	9.1174
Co 228.615	-0.1337	ppb	0.5199	388.8	3.3604
Cr 267.716	0.3109	ppb	0.0908	29.2	14.9796
Cu 324.754	0.8274	ppb	0.0997	12.1	-45.0991
Fe 271.441	5.2087	ppb	3.1107	59.7	10.2468
K 766.491	2.4192	ppb	0.3119	12.9	335.739
Mg 279.078	5.6225	ppb	0.7785	13.8	41.4516
Mn 257.610	0.5507	ppb	0.0520	9.4	267.471
Mo 202.032	-0.0242	ppb	0.3930	1623.6	11.0530
Na 330.237	139.957	ppb	64.6149	46.2	0.0691
Ni 231.604	-0.0252	ppb	0.8874	3518.4	-1.4837
Pb 220.353	-1.3397	ppb	0.3918	29.2	1.2232
Sb 206.834	-1.6606	ppb	3.5818	215.7	2.6031
Se 196.026	0.4321	ppb	1.5395	356.3	3.1695
Sn 189.925	1.9217	ppb	1.3821	71.9	0.9816
Sr 216.596	0.2002	ppb	0.2075	103.7	8.9939
Ti 334.941	0.2366	ppb	0.0299	12.6	-24.1830
Tl 190.794	-0.9514	ppb	0.4009	42.1	0.0562
V 292.401	0.4168	ppb	0.1998	47.9	8.6367
Zn 206.200	0.4203	ppb	1.0728	255.2	2.5576

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271070/2-a (Samp) 4/3/2013, 9:22:50 AM Rack 3, Tube 9
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	35.0479	33.9528	34.6305
Al 308.215	4668.42	4623.50	4648.42
As 188.980	99.4578	103.879	110.010
B 249.678	175.562	175.281	178.294
Ba 389.178	105.642	105.091	105.979
Be 313.042	49.3177	48.8327	49.1985
Ca 370.602	4986	4926	4976
Cd 226.502	53.3119	52.8840	53.9955
Co 228.615	53.3031	52.4559	53.5117
Cr 267.716	101.061	99.9432	100.732
Cu 324.754	102.134	97.8606	99.6709
Fe 271.441	4880.55	4817.68	4887.07
K 766.491	5173.49	5120.96	5172.81
Mg 279.078	4833.87	4779.65	4820.98
Mn 257.610	524.893	519.217	524.348
Mo 202.032	100.270	99.3162	100.179
Na 330.237	4691.19	4532.66	4705.67
Ni 231.604	103.906	100.651	101.784
Pb 220.353	51.2719	47.6933	50.1237
Sb 206.834	42.2951	42.4846	48.5288
Se 196.026	83.2607	95.0907	94.6992
Sn 189.925	202.784	198.288	200.473
Sr 216.596	102.947	102.274	102.684
Ti 334.941	96.2297	95.2132	95.5502
Tl 190.794	38.8890	39.7254	37.6716
V 292.401	98.4749	97.0845	97.9637
Zn 206.200	103.987	101.845	104.858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.5437	ppb	0.5527	1.6	2542.27
Al 308.215	4646.78	ppb	22.5034	0.5	24257.9
As 188.980	104.449	ppb	5.2989	5.1	74.3480
B 249.678	176.379	ppb	1.6644	0.9	2181.52
Ba 389.178	105.571	ppb	0.4485	0.4	2576.36
Be 313.042	49.1163	ppb	0.2527	0.5	103964
Ca 370.602	4963	ppb	32.06	0.6	17542
Cd 226.502	53.3971	ppb	0.5606	1.0	2101.13
Co 228.615	53.0902	ppb	0.5592	1.1	644.217
Cr 267.716	100.579	ppb	0.5746	0.6	4988.73
Cu 324.754	99.8884	ppb	2.1448	2.1	4712.35
Fe 271.441	4861.77	ppb	38.3221	0.8	9306.15
K 766.491	5155.75	ppb	30.1346	0.6	275105
Mg 279.078	4811.50	ppb	28.3251	0.6	12052.3
Mn 257.610	522.819	ppb	3.1318	0.6	131587
Mo 202.032	99.9217	ppb	0.5264	0.5	780.870
Na 330.237	4643.17	ppb	95.9785	2.1	264.711
Ni 231.604	102.113	ppb	1.6525	1.6	309.209
Pb 220.353	49.6963	ppb	1.8272	3.7	103.850
Sb 206.834	44.4362	ppb	3.5456	8.0	47.0309
Se 196.026	91.0169	ppb	6.7199	7.4	52.4545
Sn 189.925	200.515	ppb	2.2482	1.1	189.172
Sr 216.596	102.635	ppb	0.3387	0.3	1236.00
Ti 334.941	95.6644	ppb	0.5178	0.5	26387.5
Tl 190.794	38.7620	ppb	1.0328	2.7	41.4197
V 292.401	97.8410	ppb	0.7032	0.7	2881.96
Zn 206.200	103.563	ppb	1.5510	1.5	106.902

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271070/3-a (Samp) 4/3/2013, 9:29:17 AM Rack 3, Tube 10

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	196.214	196.570	196.764
Al 308.215	1858.73	1867.65	1870.12
As 188.980	210.501	213.789	205.983
B 249.678	352.966	356.298	358.072
Ba 389.178	206.234	205.290	206.656
Be 313.042	195.317	195.885	196.107
Ca 370.602	19834	19882	19933
Cd 226.502	207.960	207.702	207.507
Co 228.615	209.022	211.833	207.717
Cr 267.716	199.413	200.683	201.348
Cu 324.754	198.011	198.910	198.996
Fe 271.441	20158.4	20232.6	20185.1
K 766.491	19691.6	19625.5	19650.6
Mg 279.078	19371.1	19394.8	19427.2
Mn 257.610	2045.52	2067.57	2061.88
Mo 202.032	199.271	199.252	200.417
Na 330.237	16338.5	16577.6	16658.8
Ni 231.604	203.415	202.882	204.587
Pb 220.353	198.042	198.050	201.086
Sb 206.834	186.188	189.652	190.076
Se 196.026	185.618	188.525	195.445
Sn 189.925	201.778	200.239	200.808
Sr 216.596	212.326	213.122	213.648
Ti 334.941	189.459	190.395	191.047
Tl 190.794	39.5784	43.0086	42.0175
V 292.401	192.263	193.227	192.545
Zn 206.200	193.728	194.644	194.967

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	196.516	ppb	0.2791	0.1	14861.1
Al 308.215	1865.50	ppb	5.9908	0.3	9809.12
As 188.980	210.091	ppb	3.9192	1.9	150.338
B 249.678	355.779	ppb	2.5922	0.7	4280.47
Ba 389.178	206.060	ppb	0.6995	0.3	5082.36
Be 313.042	195.770	ppb	0.4076	0.2	415167
Ca 370.602	19883	ppb	49.43	0.2	70177
Cd 226.502	207.723	ppb	0.2274	0.1	8152.47
Co 228.615	209.524	ppb	2.1035	1.0	2529.39
Cr 267.716	200.481	ppb	0.9832	0.5	9950.51
Cu 324.754	198.639	ppb	0.5459	0.3	9457.85
Fe 271.441	20192.0	ppb	37.5453	0.2	38645.3
K 766.491	19655.9	ppb	33.3825	0.2	1048232
Mg 279.078	19397.7	ppb	28.1959	0.1	48512.9
Mn 257.610	2058.32	ppb	11.4464	0.6	517682
Mo 202.032	199.647	ppb	0.6669	0.3	1548.44
Na 330.237	16524.9	ppb	166.500	1.0	965.082
Ni 231.604	203.628	ppb	0.8723	0.4	618.251
Pb 220.353	199.059	ppb	1.7553	0.9	405.000
Sb 206.834	188.639	ppb	2.1331	1.1	186.649
Se 196.026	189.863	ppb	5.0484	2.7	106.559
Sn 189.925	200.942	ppb	0.7780	0.4	189.588
Sr 216.596	213.032	ppb	0.6659	0.3	2564.50
Ti 334.941	190.300	ppb	0.7981	0.4	52624.0
Tl 190.794	41.5348	ppb	1.7653	4.3	41.2397
V 292.401	192.679	ppb	0.4955	0.3	5678.50
Zn 206.200	194.446	ppb	0.6425	0.3	267.222

680-88586-a-1-b (Samp) 4/3/2013, 9:35:43 AM Rack 3, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.0742	1.0987	1.3318
Al 308.215	17.3708	17.1880	16.3896
As 188.980	-0.5980	-3.3661u	3.6956
B 249.678	6.7665	5.4078	4.5650
Ba 389.178	161.355	161.577	160.415
Be 313.042	0.1189	0.1161	0.1336
Ca 370.602	184554	184026	184624
Cd 226.502	-0.3609	-0.2425	-0.2394
Co 228.615	11.4343	11.3310	11.4848
Cr 267.716	0.8434	1.0197	1.3959
Cu 324.754	1.2115	1.7239	1.2061
Fe 271.441	12183.7	12206.0	12199.4
K 766.491	2424.01	2432.65	2439.71
Mg 279.078	65159.8	65067.9	65126.2
Mn 257.610	19224.3	18879.0	19052.2
Mo 202.032	0.3462	-0.0206u	0.1080
Na 330.237	30516.0	30154.8	30200.7
Ni 231.604	10.1466	8.5449	10.0924
Pb 220.353	0.2038	1.4957	-2.2208
Sb 206.834	-1.1160u	-3.5463u	-0.1430
Se 196.026	1.9858	-2.6739	1.9844
Sn 189.925	5.2613	0.0408	0.6198
Sr 216.596	1311.29	1306.36	1309.58
Ti 334.941	0.2834	0.2076	0.2845
Tl 190.794	48.6236	46.9109	46.8293
V 292.401	5.2521	5.7668	5.1233
Zn 206.200	4.2466	4.1664	4.4031

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1682	ppb	0.1422	12.2	29.6979
Al 308.215	16.9828	ppb	0.5218	3.1	177.417
As 188.980	-0.0895	ppb	3.5582	3976.7	0.7560
B 249.678	5.5798	ppb	1.1108	19.9	157.685
Ba 389.178	161.116	ppb	0.6169	0.4	4101.74
Be 313.042	0.1229	ppb	0.0094	7.7	70.1372
Ca 370.602	184401	ppb	327.0	0.2	666515
Cd 226.502	-0.2809	ppb	0.0693	24.7	28.8061
Co 228.615	11.4167	ppb	0.0784	0.7	142.226
Cr 267.716	1.0863	ppb	0.2822	26.0	141.575
Cu 324.754	1.3805	ppb	0.2974	21.5	-15.1690
Fe 271.441	12196.3	ppb	11.4704	0.1	23322.2
K 766.491	2432.12	ppb	7.8649	0.3	129884
Mg 279.078	65117.9	ppb	46.5077	0.1	162553
Mn 257.610	19051.9	ppb	172.635	0.9	4789073
Mo 202.032	0.1445	ppb	0.1861	128.8	11.7015
Na 330.237	30290.5	ppb	196.661	0.6	1790.64
Ni 231.604	9.5946	ppb	0.9095	9.5	28.0570
Pb 220.353	-0.1738	ppb	1.8868	1085.8	8.5392
Sb 206.834	-1.6018	ppb	1.7529	109.4	2.9289
Se 196.026	0.4321	ppb	2.6898	622.5	8.3924
Sn 189.925	1.9740	ppb	2.8616	145.0	1.1293
Sr 216.596	1309.08	ppb	2.5043	0.2	15755.4
Ti 334.941	0.2585	ppb	0.0441	17.1	270.825
Tl 190.794	47.4546	ppb	1.0132	2.1	21.3814
V 292.401	5.3807	ppb	0.3405	6.3	156.893
Zn 206.200	4.2720	ppb	0.1204	2.8	10.7882

680-88586-a-2-b (Samp) 4/3/2013, 9:42:09 AM Rack 3, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7341	0.9071	1.0876
Al 308.215	25.3408	26.0582	24.2086
As 188.980	0.1595	5.5148	1.9130
B 249.678	10.2971u	12.1002	11.5647
Ba 389.178	255.017	255.533	256.598
Be 313.042	0.0284	0.0316	0.0378
Ca 370.602	226566	226204	225258
Cd 226.502	-2.1775	-2.3078	-2.6615
Co 228.615	45.6168	45.4742	44.1753
Cr 267.716	2.4997	2.6977	2.6719
Cu 324.754	2.9282	2.9133	3.0803
Fe 271.441	115979	116256	116031
K 766.491	2943.82	2960.23	2960.52
Mg 279.078	73038.3	73081.6	72938.9
Mn 257.610	15975.9	16000.0	15968.5
Mo 202.032	-0.8766u	-0.7380u	-0.5682u
Na 330.237	65615.4	65775.5	65728.5
Ni 231.604	30.9427	31.0951	31.5076
Pb 220.353	0.2267	1.9184	2.1081
Sb 206.834	-0.8198	-1.9622	-13.1175u
Se 196.026	-5.9451	-7.8375	-2.6769
Sn 189.925	6.8446	-1.7646u	2.5188
Sr 216.596	1455.76	1458.80	1454.66
Ti 334.941	-0.1043	-0.1189	-0.1153
Tl 190.794	29.8263	33.8889	34.6738
V 292.401	57.9367	58.0712	58.5142
Zn 206.200	3.0523	4.5291	4.0095

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9096	ppb	0.1768	19.4	-11.6094
Al 308.215	25.2025	ppb	0.9325	3.7	219.116
As 188.980	2.5291	ppb	2.7303	108.0	1.8229
B 249.678	11.3207	ppb	0.9260	8.2	104.619
Ba 389.178	255.716	ppb	0.8063	0.3	6575.99
Be 313.042	0.0326	ppb	0.0048	14.6	-113.817
Ca 370.602	226009	ppb	675.3	0.3	807433
Cd 226.502	-2.3823	ppb	0.2504	10.5	207.503
Co 228.615	45.0888	ppb	0.7943	1.8	544.634
Cr 267.716	2.6231	ppb	0.1076	4.1	229.279
Cu 324.754	2.9739	ppb	0.0924	3.1	89.9454
Fe 271.441	116089	ppb	147.408	0.1	221976
K 766.491	2954.86	ppb	9.5606	0.3	157756
Mg 279.078	73019.6	ppb	73.1252	0.1	182399
Mn 257.610	15981.4	ppb	16.4610	0.1	4017758
Mo 202.032	-0.7276	ppb	0.1545	21.2	-0.5951
Na 330.237	65706.4	ppb	82.2779	0.1	3863.26
Ni 231.604	31.1818	ppb	0.2922	0.9	96.1635
Pb 220.353	1.4178	ppb	1.0359	73.1	10.9332
Sb 206.834	-5.2998	ppb	6.7944	128.2	1.6546
Se 196.026	-5.4865	ppb	2.6107	47.6	5.0122
Sn 189.925	2.5329	ppb	4.3046	169.9	1.6901
Sr 216.596	1456.40	ppb	2.1435	0.1	17576.1
Ti 334.941	-0.1129	ppb	0.0076	6.7	212.566
Tl 190.794	32.7963	ppb	2.6019	7.9	4.9431
V 292.401	58.1740	ppb	0.3021	0.5	1728.51
Zn 206.200	3.8636	ppb	0.7491	19.4	10.0133

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 9:48:36 AM Rack 3, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	477.183	478.130	477.080
Al 308.215	4700.48	4693.19	4704.48
As 188.980	472.667	471.270	473.365
B 249.678	467.132	471.449	472.547
Ba 389.178	4998.64	5002.93	4998.37
Be 313.042	450.885	451.545	451.701
Ca 370.602	5026	5046	5074
Cd 226.502	497.717	500.633	498.315
Co 228.615	495.255	497.995	496.309
Cr 267.716	4729.59	4729.92	4743.92
Cu 324.754	4631.79	4711.26	4567.32
Fe 271.441	4922.53	4932.59	4937.52
K 766.491	9831.62	9801.10	9795.83
Mg 279.078	4787.52	4801.38	4808.39
Mn 257.610	4824.50	4847.56	4839.66
Mo 202.032	494.670	494.890	495.980
Na 330.237	7002.31	7136.22	7036.92
Ni 231.604	2415.67	2424.43	2420.18
Pb 220.353	505.464	507.995	505.724
Sb 206.834	951.374	954.260	956.483
Se 196.026	4745.15	4736.07	4725.68
Sn 189.925	5035.37	4993.61	5001.23
Sr 216.596	2455.70	2456.92	2471.16
Ti 334.941	479.788	477.748	479.861
Tl 190.794	5245.89	5282.97	5238.57
V 292.401	4767.32	4784.01	4776.82
Zn 206.200	2431.32	2452.13	2443.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	477.464	ppb	0.5786	0.1	36158.0	95.49287
Al 308.215	4699.38	ppb	5.7284	0.1	24504.4	93.98766
As 188.980	472.434	ppb	1.0668	0.2	339.157	94.48678
B 249.678	470.376	ppb	2.8626	0.6	5650.33	18.81504Q
Ba 389.178	4999.98	ppb	2.5560	0.1	121559	99.99957
Be 313.042	451.377	ppb	0.4331	0.1	957363	90.27544
Ca 370.602	5049	ppb	24.20	0.5	18111	100.97176
Cd 226.502	498.888	ppb	1.5398	0.3	19458.2	99.77769
Co 228.615	496.520	ppb	1.3819	0.3	6000.09	99.30390
Cr 267.716	4734.48	ppb	8.1827	0.2	234713	94.68954
Cu 324.754	4636.79	ppb	72.1020	1.6	222421	92.73582
Fe 271.441	4930.88	ppb	7.6432	0.2	9560.85	98.61758
K 766.491	9809.52	ppb	19.3219	0.2	523237	98.09518
Mg 279.078	4799.10	ppb	10.6214	0.2	11939.5	95.98198
Mn 257.610	4837.24	ppb	11.7210	0.2	1215936	96.74476
Mo 202.032	495.180	ppb	0.7018	0.1	3817.66	99.03598
Na 330.237	7058.49	ppb	69.5127	1.0	384.844	94.11314
Ni 231.604	2420.09	ppb	4.3801	0.2	7357.56	96.80379
Pb 220.353	506.394	ppb	1.3923	0.3	1024.17	101.27879
Sb 206.834	954.039	ppb	2.5616	0.3	964.198	95.40391
Se 196.026	4735.63	ppb	9.7456	0.2	2571.82	94.71264
Sn 189.925	5010.07	ppb	22.2368	0.4	4746.70	100.20135
Sr 216.596	2461.26	ppb	8.5974	0.3	29504.9	98.45048
Ti 334.941	479.132	ppb	1.1990	0.3	132432	95.82643
Tl 190.794	5255.81	ppb	23.8014	0.5	5608.41	105.11617
V 292.401	4776.05	ppb	8.3721	0.2	141756	95.52097
Zn 206.200	2442.17	ppb	10.4310	0.4	4571.80	97.68687

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 9:55:12 AM Rack 3, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1061	-0.4034u	0.1131
Al 308.215	0.6318	-0.0232u	-1.4863u
As 188.980	0.8380	2.1993	0.0678
B 249.678	3.5779	2.1988	2.5502
Ba 389.178	0.2179	1.1604	1.6148
Be 313.042	0.0553	0.0848	0.1013
Ca 370.602	2.347	7.213	6.713
Cd 226.502	0.0129	0.0202	0.1351
Co 228.615	-0.6436u	0.2878	-0.3233u
Cr 267.716	0.6103	0.8651	1.1088
Cu 324.754	1.4894	1.7992	1.4700
Fe 271.441	5.0834	1.4823	1.4277
K 766.491	2.2826	3.0336	3.5461
Mg 279.078	3.3043	-0.3586u	-3.0211u
Mn 257.610	0.4293	0.8277	1.1184
Mo 202.032	0.3185	0.0111	0.0099
Na 330.237	40.2889	8.9015	133.038
Ni 231.604	0.6486	1.4603	0.9089
Pb 220.353	-3.1972u	-3.6815u	-0.8304u
Sb 206.834	-3.0276u	-3.9797u	-3.6644u
Se 196.026	-10.9249u	-1.9484u	5.2698
Sn 189.925	-0.4252u	3.9950	-0.8608u
Sr 216.596	0.4365	1.1357	0.9784
Ti 334.941	0.1102	0.1220	0.1916
Tl 190.794	3.7863	1.2235	2.0603
V 292.401	0.9588	1.4058	1.3647
Zn 206.200	0.3917	-0.3028u	1.0820

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0614	ppb	0.2962	482.5	-87.2694	-0.06139
Al 308.215	-0.2926	ppb	1.0844	370.7	87.6619	-0.29257
As 188.980	1.0350	ppb	1.0794	104.3	-0.0649	1.03502
B 249.678	2.7756	ppb	0.7167	25.8	138.771	2.77562
Ba 389.178	0.9977	ppb	0.7125	71.4	13.3844	0.99770
Be 313.042	0.0805	ppb	0.0233	29.0	-76.8648	0.08049
Ca 370.602	5.424	ppb	2.677	49.4	15.90	5.42423
Cd 226.502	0.0561	ppb	0.0685	122.2	10.6686	0.05606
Co 228.615	-0.2263	ppb	0.4732	209.1	2.2350	-0.22634
Cr 267.716	0.8614	ppb	0.2493	28.9	42.2631	0.86140
Cu 324.754	1.5862	ppb	0.1848	11.6	-8.6843	1.58619
Fe 271.441	2.6645	ppb	2.0950	78.6	5.3551	2.66446
K 766.491	2.9541	ppb	0.6355	21.5	364.257	2.95406
Mg 279.078	-0.0251	ppb	3.1759	12629.1	27.3223	-0.02515
Mn 257.610	0.7918	ppb	0.3460	43.7	328.007	0.79179
Mo 202.032	0.1132	ppb	0.1778	157.1	12.1103	0.11318
Na 330.237	60.7427	ppb	64.5462	106.3	-4.6422	60.74265
Ni 231.604	1.0060	ppb	0.4144	41.2	1.6518	1.00596
Pb 220.353	-2.5697	ppb	1.5256	59.4	-1.2553	-2.56968
Sb 206.834	-3.5572	ppb	0.4850	13.6	0.7841	-3.55724
Se 196.026	-2.5345	ppb	8.1133	320.1	1.5612	-2.53449
Sn 189.925	0.9030	ppb	2.6866	297.5	0.0162	0.90301
Sr 216.596	0.8502	ppb	0.3668	43.1	16.7910	0.85019
Ti 334.941	0.1413	ppb	0.0440	31.1	-50.5555	0.14128
Tl 190.794	2.3567	ppb	1.3069	55.5	3.5887	2.35670
V 292.401	1.2431	ppb	0.2471	19.9	33.1622	1.24310
Zn 206.200	0.3903	ppb	0.6924	177.4	3.4993	0.39031

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-3-b (Samp) 4/3/2013, 10:01:39 AM Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4543	1.0126	0.0829
Al 308.215	58.6910	57.6234	62.3659
As 188.980	2.3071	8.2004	-0.4816
B 249.678	-1.2976u	-2.0329u	-1.9844u
Ba 389.178	291.722	293.215	290.621
Be 313.042	0.0784	0.0829	0.0673
Ca 370.602	53975	54107	54054
Cd 226.502	-0.1873	0.0466	-0.1216
Co 228.615	106.306	105.226	105.379
Cr 267.716	8.5545	8.6221	8.7418
Cu 324.754	4.1850	3.7764	3.8451
Fe 271.441	10330.7	10395.1	10349.0
K 766.491	3615.12	3625.95	3615.37
Mg 279.078	25198.9	25254.2	25206.4
Mn 257.610	12620.3	12650.4	12635.8
Mo 202.032	-0.2074u	0.0982	0.1200
Na 330.237	15944.0	16017.1	16049.7
Ni 231.604	64.6550	66.5556	65.9050
Pb 220.353	0.1319	-1.0911	-1.5048
Sb 206.834	-8.0494u	-5.7467u	0.8975
Se 196.026	-9.2952u	-3.6712	-1.9045
Sn 189.925	0.6812	0.4954	3.9076
Sr 216.596	497.473	497.523	495.658
Ti 334.941	0.0275	-0.0079	0.0524
Tl 190.794	31.8017	31.3710	35.6375
V 292.401	5.8496	5.9410	5.6224
Zn 206.200	11.2739	13.2645	13.7429

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5166	ppb	0.4680	90.6	-9.6408
Al 308.215	59.5601	ppb	2.4878	4.2	398.765
As 188.980	3.3420	ppb	4.4326	132.6	1.9960
B 249.678	-1.7716	ppb	0.4112	23.2	73.0820
Ba 389.178	291.853	ppb	1.3023	0.4	7167.56
Be 313.042	0.0762	ppb	0.0081	10.6	-73.1619
Ca 370.602	54045	ppb	66.50	0.1	194947
Cd 226.502	-0.0874	ppb	0.1206	137.9	31.2973
Co 228.615	105.637	ppb	0.5848	0.6	1278.42
Cr 267.716	8.6395	ppb	0.0949	1.1	486.774
Cu 324.754	3.9355	ppb	0.2188	5.6	106.933
Fe 271.441	10358.3	ppb	33.1635	0.3	19823.3
K 766.491	3618.81	ppb	6.1854	0.2	193157
Mg 279.078	25219.8	ppb	29.9552	0.1	62874.8
Mn 257.610	12635.5	ppb	15.0569	0.1	3176075
Mo 202.032	0.0036	ppb	0.1831	5069.1	10.7114
Na 330.237	16003.6	ppb	54.1452	0.3	940.740
Ni 231.604	65.7052	ppb	0.9660	1.5	198.630
Pb 220.353	-0.8213	ppb	0.8511	103.6	5.5197
Sb 206.834	-4.2996	ppb	4.6457	108.1	0.3697
Se 196.026	-4.9570	ppb	3.8595	77.9	3.7225
Sn 189.925	1.6947	ppb	1.9187	113.2	0.7980
Sr 216.596	496.885	ppb	1.0629	0.2	5983.99
Ti 334.941	0.0240	ppb	0.0303	126.4	29.2058
Tl 190.794	32.9368	ppb	2.3488	7.1	16.0560
V 292.401	5.8043	ppb	0.1640	2.8	168.580
Zn 206.200	12.7604	ppb	1.3094	10.3	26.7025

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-4-b (Samp) 4/3/2013, 10:08:16 AM Rack 3, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3321u	0.2796	0.1533
Al 308.215	2.4351	2.6336	5.1464
As 188.980	-2.3723u	-0.5997u	0.2192
B 249.678	-2.6301u	-2.6282u	-2.3603u
Ba 389.178	93.0077	91.3141	91.2917
Be 313.042	0.0151	0.0137	0.0130
Ca 370.602	54196	54180	54287
Cd 226.502	-0.3215	-0.4807	-0.3979
Co 228.615	15.8941	16.2148	16.0043
Cr 267.716	0.8131	0.3740	0.3261
Cu 324.754	1.5236	0.4882	1.2235
Fe 271.441	9729.58	9734.86	9740.53
K 766.491	1648.61	1654.21	1645.73
Mg 279.078	17329.0	17372.2	17386.0
Mn 257.610	6269.36	6292.91	6279.50
Mo 202.032	3.0359	3.1913	2.9930
Na 330.237	8787.85	9108.47	8847.19
Ni 231.604	2.2037	3.2918	4.1210
Pb 220.353	-0.0335	-0.9036u	0.6558
Sb 206.834	-2.2676u	-5.5645u	-11.2237u
Se 196.026	-8.1995u	3.5285	-0.1897
Sn 189.925	-3.9963u	-2.1915u	-0.6917u
Sr 216.596	400.004	403.475	403.401
Ti 334.941	0.0877	0.0311	0.0524
Tl 190.794	10.4119	14.3963	15.2380
V 292.401	0.5533	0.6568	0.7321
Zn 206.200	1.5566	1.8273	0.5532

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0336	ppb	0.3229	960.4	-71.1562
Al 308.215	3.4050	ppb	1.5114	44.4	107.253
As 188.980	-0.9176	ppb	1.3247	144.4	-1.0619
B 249.678	-2.5395	ppb	0.1553	6.1	64.7619
Ba 389.178	91.8712	ppb	0.9843	1.1	2284.18
Be 313.042	0.0139	ppb	0.0011	7.6	-202.041
Ca 370.602	54221	ppb	57.91	0.1	195438
Cd 226.502	-0.4001	ppb	0.0796	19.9	17.4500
Co 228.615	16.0377	ppb	0.1630	1.0	197.908
Cr 267.716	0.5044	ppb	0.2684	53.2	54.9748
Cu 324.754	1.0784	ppb	0.5327	49.4	-30.2396
Fe 271.441	9734.99	ppb	5.4772	0.1	18616.7
K 766.491	1649.52	ppb	4.3105	0.3	88156.8
Mg 279.078	17362.4	ppb	29.7389	0.2	43340.4
Mn 257.610	6280.59	ppb	11.8145	0.2	1578822
Mo 202.032	3.0734	ppb	0.1043	3.4	34.4141
Na 330.237	8914.50	ppb	170.578	1.9	519.061
Ni 231.604	3.2055	ppb	0.9616	30.0	8.5707
Pb 220.353	-0.0938	ppb	0.7815	833.4	5.3603
Sb 206.834	-6.3519	ppb	4.5297	71.3	-1.7341
Se 196.026	-1.6202	ppb	5.9934	369.9	3.8131
Sn 189.925	-2.2932	ppb	1.6546	72.2	-2.9837
Sr 216.596	402.294	ppb	1.9829	0.5	4848.70
Ti 334.941	0.0570	ppb	0.0286	50.2	3.9276
Tl 190.794	13.3487	ppb	2.5780	19.3	5.0213
V 292.401	0.6474	ppb	0.0897	13.9	14.9644
Zn 206.200	1.3124	ppb	0.6712	51.1	5.2322

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88586-a-5-b (Samp) 4/3/2013, 10:14:43 AM Rack 3, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2849	0.4943	-0.0783
Al 308.215	3.2271	4.9089	4.8148
As 188.980	0.8772	3.4636	-3.0283u
B 249.678	-3.3018u	-2.6402u	-3.0911u
Ba 389.178	96.7383	97.6379	98.0928
Be 313.042	0.0167	0.0072	0.0077
Ca 370.602	57041	57174	57177
Cd 226.502	-0.2527	-0.2855	-0.1902
Co 228.615	17.2199	16.7554	17.0309
Cr 267.716	0.4801	0.5398	0.3110
Cu 324.754	1.2720	0.8834	1.2527
Fe 271.441	10237.9	10244.2	10219.3
K 766.491	1726.03	1731.01	1733.31
Mg 279.078	18220.8	18257.0	18240.7
Mn 257.610	6599.28	6601.69	6585.39
Mo 202.032	2.5293	2.7911	2.5577
Na 330.237	9460.86	9178.10	9269.67
Ni 231.604	1.5250	1.6283	0.9522
Pb 220.353	-1.1566u	-0.0554	-1.5233u
Sb 206.834	-3.0198u	0.9164	-3.5672u
Se 196.026	4.7303	2.8132	-9.3677u
Sn 189.925	-1.9516u	-1.9434u	2.4300
Sr 216.596	422.107	424.161	423.440
Ti 334.941	0.1130	0.0140	0.0798
Tl 190.794	10.5464	15.6563	17.8152
V 292.401	0.4669	0.7282	0.2076
Zn 206.200	1.4456	1.6060	3.0361

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2336	ppb	0.2897	124.0	-55.4782
Al 308.215	4.3169	ppb	0.9450	21.9	111.962
As 188.980	0.4375	ppb	3.2682	747.0	-0.0655
B 249.678	-3.0110	ppb	0.3380	11.2	58.6119
Ba 389.178	97.4897	ppb	0.6893	0.7	2423.86
Be 313.042	0.0105	ppb	0.0053	50.3	-208.328
Ca 370.602	57131	ppb	77.44	0.1	205929
Cd 226.502	-0.2428	ppb	0.0484	19.9	24.8525
Co 228.615	17.0021	ppb	0.2336	1.4	209.527
Cr 267.716	0.4436	ppb	0.1187	26.8	53.4981
Cu 324.754	1.1360	ppb	0.2190	19.3	-27.3389
Fe 271.441	10233.8	ppb	12.9353	0.1	19570.6
K 766.491	1730.12	ppb	3.7217	0.2	92454.2
Mg 279.078	18239.5	ppb	18.1691	0.1	45528.5
Mn 257.610	6595.45	ppb	8.7985	0.1	1657966
Mo 202.032	2.6260	ppb	0.1436	5.5	30.9399
Na 330.237	9302.88	ppb	144.275	1.6	542.000
Ni 231.604	1.3685	ppb	0.3642	26.6	2.9968
Pb 220.353	-0.9118	ppb	0.7640	83.8	3.7946
Sb 206.834	-1.8902	ppb	2.4459	129.4	2.5663
Se 196.026	-0.6081	ppb	7.6464	1257.5	4.4507
Sn 189.925	-0.4884	ppb	2.5274	517.5	-1.2720
Sr 216.596	423.236	ppb	1.0420	0.2	5100.82
Ti 334.941	0.0689	ppb	0.0504	73.1	11.1080
Tl 190.794	14.6726	ppb	3.7329	25.4	5.9141
V 292.401	0.4676	ppb	0.2603	55.7	9.6875
Zn 206.200	2.0293	ppb	0.8757	43.2	6.5789

680-88701-a-1-a (Samp) 4/3/2013, 10:21:09 AM Rack 3, Tube 18

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6773	0.6996	0.3403
Al 308.215	6.0370	8.9921	7.7152
As 188.980	7.0667	6.0755	1.5802
B 249.678	-4.5565u	-5.0531u	-5.0807u
Ba 389.178	75.6898	75.2933	76.8900
Be 313.042	0.0036	0.0112	0.0099
Ca 370.602	75292	75114	75317
Cd 226.502	-0.6251	-0.2959	-0.3959
Co 228.615	20.0354	19.7965	19.8209
Cr 267.716	0.6710	0.5994	0.4194
Cu 324.754	1.7753	1.5301	1.0558
Fe 271.441	21679.2	21684.3	21748.9
K 766.491	1976.87	1978.62	1983.52
Mg 279.078	21650.0	21638.7	21691.4
Mn 257.610	7620.41	7605.62	7625.72
Mo 202.032	5.6867	6.3905	6.4138
Na 330.237	9041.59	8815.56	9002.88
Ni 231.604	3.0972	3.0236	1.3067
Pb 220.353	-2.1436u	-2.2187u	0.7337
Sb 206.834	-3.6570u	-6.7261u	-8.6590u
Se 196.026	-1.5374	-7.2744u	-12.4526u
Sn 189.925	-0.2455u	0.5196	-0.0749u
Sr 216.596	476.752	475.899	476.440
Ti 334.941	0.1235	0.1654	0.1529
Tl 190.794	15.5966	16.8738	18.3064
V 292.401	0.9261	0.6113	0.3610
Zn 206.200	4.8791	4.6024	4.1346

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5724	ppb	0.2013	35.2	-27.5788
Al 308.215	7.5814	ppb	1.4821	19.5	129.349
As 188.980	4.9075	ppb	2.9238	59.6	3.1905
B 249.678	-4.8968	ppb	0.2950	6.0	23.0255
Ba 389.178	75.9577	ppb	0.8314	1.1	1926.72
Be 313.042	0.0082	ppb	0.0041	49.5	-207.657
Ca 370.602	75241	ppb	110.7	0.1	270424
Cd 226.502	-0.4389	ppb	0.1688	38.5	46.0342
Co 228.615	19.8843	ppb	0.1314	0.7	243.759
Cr 267.716	0.5633	ppb	0.1296	23.0	66.7399
Cu 324.754	1.4537	ppb	0.3658	25.2	-8.7779
Fe 271.441	21704.1	ppb	38.8320	0.2	41502.9
K 766.491	1979.67	ppb	3.4445	0.2	105760
Mg 279.078	21660.0	ppb	27.7816	0.1	54067.6
Mn 257.610	7617.25	ppb	10.4143	0.1	1914840
Mo 202.032	6.1637	ppb	0.4132	6.7	57.5998
Na 330.237	8953.34	ppb	120.885	1.4	517.239
Ni 231.604	2.4758	ppb	1.0132	40.9	6.6361
Pb 220.353	-1.2095	ppb	1.6833	139.2	3.4550
Sb 206.834	-6.3474	ppb	2.5224	39.7	-1.5121
Se 196.026	-7.0881	ppb	5.4600	77.0	1.2867
Sn 189.925	0.0664	ppb	0.4017	604.7	-0.7383
Sr 216.596	476.363	ppb	0.4317	0.1	5745.93
Ti 334.941	0.1473	ppb	0.0215	14.6	49.2845
Tl 190.794	16.9256	ppb	1.3556	8.0	6.1016
V 292.401	0.6328	ppb	0.2832	44.7	13.9025
Zn 206.200	4.5387	ppb	0.3763	8.3	41.2913

680-88701-a-1-aSD^5 (Samp) 4/3/2013, 10:27:35 AM Rack 3, Tube 19

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1224u	0.8401	0.6465
Al 308.215	-0.6468u	1.4537	1.5359
As 188.980	-3.9358u	1.5543	-0.7278u
B 249.678	-3.9148u	-4.6162u	-5.5482u
Ba 389.178	14.2309	15.2214	15.4518
Be 313.042	0.0115	0.0112	0.0122
Ca 370.602	16009	16108	16075
Cd 226.502	0.0036	0.0388	0.0453
Co 228.615	3.6451	3.9429	4.2873
Cr 267.716	0.2456	0.2110	0.2360
Cu 324.754	0.5208	0.1307	0.2989
Fe 271.441	4682.41	4696.97	4686.87
K 766.491	414.541	415.535	415.405
Mg 279.078	4616.44	4628.85	4628.64
Mn 257.610	1695.26	1699.70	1698.11
Mo 202.032	1.6427	0.8716	0.6194
Na 330.237	2314.06	2052.23	2158.24
Ni 231.604	-0.3795u	1.0726	1.3671
Pb 220.353	-0.5040u	-2.4160u	-2.2188u
Sb 206.834	-2.6286u	-3.7461u	-4.6257u
Se 196.026	-4.8982u	-3.2333u	-12.9575u
Sn 189.925	-0.0160u	1.1433	2.4254
Sr 216.596	105.029	103.759	104.489
Ti 334.941	0.0631	0.1123	0.0419
Tl 190.794	0.8740u	2.1952u	0.8910u
V 292.401	-0.1332u	0.0877	0.2456
Zn 206.200	1.6843	2.3089	2.2115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4547	ppb	0.5091	112.0	-45.3752
Al 308.215	0.7809	ppb	1.2371	158.4	93.3871
As 188.980	-1.0364	ppb	2.7581	266.1	-1.4570
B 249.678	-4.6931	ppb	0.8194	17.5	45.2031
Ba 389.178	14.9681	ppb	0.6487	4.3	372.514
Be 313.042	0.0116	ppb	0.0005	4.6	-218.116
Ca 370.602	16064	ppb	50.29	0.3	57730
Cd 226.502	0.0292	ppb	0.0225	76.8	21.4163
Co 228.615	3.9584	ppb	0.3214	8.1	52.4923
Cr 267.716	0.2309	ppb	0.0179	7.7	19.7215
Cu 324.754	0.3168	ppb	0.1957	61.8	-68.2534
Fe 271.441	4688.75	ppb	7.4621	0.2	8966.07
K 766.491	415.160	ppb	0.5404	0.1	22342.5
Mg 279.078	4624.64	ppb	7.1055	0.2	11564.2
Mn 257.610	1697.69	ppb	2.2492	0.1	426866
Mo 202.032	1.0446	ppb	0.5331	51.0	19.0442
Na 330.237	2174.84	ppb	131.703	6.1	119.584
Ni 231.604	0.6868	ppb	0.9350	136.2	0.7923
Pb 220.353	-1.7129	ppb	1.0516	61.4	0.9106
Sb 206.834	-3.6668	ppb	1.0009	27.3	0.7590
Se 196.026	-7.0297	ppb	5.2007	74.0	-0.3881
Sn 189.925	1.1842	ppb	1.2212	103.1	0.2909
Sr 216.596	104.426	ppb	0.6375	0.6	1264.65
Ti 334.941	0.0724	ppb	0.0361	49.8	-48.6517
Tl 190.794	1.3201	ppb	0.7579	57.4	-0.4165
V 292.401	0.0667	ppb	0.1903	285.3	-1.9946
Zn 206.200	2.0682	ppb	0.3361	16.2	6.6532

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88612-a-25-b (Samp) 4/3/2013, 10:34:26 AM Rack 3, Tube 20

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2656	-0.3959u	-1.0180u
Al 308.215	125200	125552	125755
As 188.980	38.3278	42.0186	32.1053
B 249.678	-46.2415u	-44.8817u	-45.6732u
Ba 389.178	249.319	249.663	251.180
Be 313.042	2.6250	2.6301	2.6314
Ca 370.602	6810u	6793u	6776u
Cd 226.502	-8.3159	-8.6326	-8.6235
Co 228.615	8.3972	9.2260	8.8057
Cr 267.716	411.878	412.562	412.086
Cu 324.754	140.692	141.330	140.747
Fe 271.441	502635	503522	504273
K 766.491	2902.00	2904.62	2902.82
Mg 279.078	3246.13	3250.02	3250.97
Mn 257.610	856.314	856.958	857.625
Mo 202.032	6.2987	6.8842	6.6036
Na 330.237	758.313u	701.704u	708.071u
Ni 231.604	16.6057	16.6719	16.3884
Pb 220.353	87.0103	86.6890	87.9915
Sb 206.834	-10.6508	-12.7485	-3.0956
Se 196.026	-8.9948u	-12.4290u	8.6532
Sn 189.925	24.4433	22.8705	23.9217
Sr 216.596	29.2116	29.5140	30.5803
Ti 334.941	1722.38	1726.16	1727.33
Tl 190.794	-34.1662u	-30.4932u	-32.2328u
V 292.401	924.444	924.549	926.892
Zn 206.200	80.2140	80.2252	80.2858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3828	ppb	0.6419	167.7	-105.061
Al 308.215	125503	ppb	280.725	0.2	652547
As 188.980	37.4839	ppb	5.0102	13.4	20.3446
B 249.678	-45.5988	ppb	0.6829	1.5	-1017.35
Ba 389.178	250.054	ppb	0.9901	0.4	6818.63
Be 313.042	2.6288	ppb	0.0034	0.1	5298.11
Ca 370.602	6793	ppb	16.92	0.2	-21023
Cd 226.502	-8.5240	ppb	0.1803	2.1	939.453
Co 228.615	8.8097	ppb	0.4144	4.7	142.465
Cr 267.716	412.175	ppb	0.3510	0.1	20556.5
Cu 324.754	140.923	ppb	0.3535	0.3	6811.22
Fe 271.441	503477	ppb	819.886	0.2	962682
K 766.491	2903.15	ppb	1.3376	0.0	154999
Mg 279.078	3249.04	ppb	2.5665	0.1	8200.75
Mn 257.610	856.966	ppb	0.6556	0.1	217022
Mo 202.032	6.5955	ppb	0.2928	4.4	33.7063
Na 330.237	722.696	ppb	31.0086	4.3	-154.285
Ni 231.604	16.5553	ppb	0.1483	0.9	60.9358
Pb 220.353	87.2302	ppb	0.6785	0.8	175.998
Sb 206.834	-8.8316	ppb	5.0770	57.5	10.5292
Se 196.026	-4.2569	ppb	11.3115	265.7	4.0556
Sn 189.925	23.7451	ppb	0.8011	3.4	21.6516
Sr 216.596	29.7686	ppb	0.7190	2.4	591.619
Ti 334.941	1725.29	ppb	2.5850	0.1	477103
Tl 190.794	-32.2974	ppb	1.8373	5.7	-61.5366
V 292.401	925.295	ppb	1.3836	0.1	27542.1
Zn 206.200	80.2417	ppb	0.0387	0.0	151.915

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88612-a-34-b^10 (Samp) 4/3/2013, 10:40:52 AM Rack 3, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5930	0.6403	-0.2768u
Al 308.215	5215.87	5161.59	5140.13
As 188.980	6.9713	6.2145	12.1995
B 249.678	-5.0099u	-4.9221u	-5.1785u
Ba 389.178	208.537	205.618	205.311
Be 313.042	0.3167	0.3183	0.3228
Ca 370.602	24810	24489	24361
Cd 226.502	0.1762	0.0095	0.1103
Co 228.615	1.5157	1.3159	2.0480
Cr 267.716	11.0961	11.1152	11.1654
Cu 324.754	22.4743	21.9641	22.8905
Fe 271.441	13375.0	13299.6	13239.0
K 766.491	327.823	324.487	323.807
Mg 279.078	905.335	896.794	887.917
Mn 257.610	115.685	114.419	114.033
Mo 202.032	-0.3929u	-0.2138u	0.3992
Na 330.237	249.862	209.617	331.746
Ni 231.604	4.7385	4.4094	3.5738
Pb 220.353	2211.13	2189.38	2179.26
Sb 206.834	-6.7143u	-2.1168u	0.6903
Se 196.026	-10.3732u	-12.1122u	-1.4872u
Sn 189.925	14.4327	13.8494	13.2416
Sr 216.596	41.9084	41.8916	41.4128
Ti 334.941	143.514	141.935	141.326
Tl 190.794	0.1874u	-2.8619u	-2.0020u
V 292.401	27.3352	26.9516	26.8304
Zn 206.200	189.694	188.508	184.479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3189	ppb	0.5164	162.0	-59.7745
Al 308.215	5172.53	ppb	39.0337	0.8	26980.0
As 188.980	8.4618	ppb	3.2590	38.5	5.3631
B 249.678	-5.0368	ppb	0.1303	2.6	31.1455
Ba 389.178	206.489	ppb	1.7805	0.9	5030.34
Be 313.042	0.3193	ppb	0.0032	1.0	437.736
Ca 370.602	24553	ppb	231.3	0.9	87634
Cd 226.502	0.0987	ppb	0.0839	85.1	45.7029
Co 228.615	1.6266	ppb	0.3784	23.3	28.1048
Cr 267.716	11.1256	ppb	0.0358	0.3	554.966
Cu 324.754	22.4430	ppb	0.4640	2.1	995.776
Fe 271.441	13304.5	ppb	68.1063	0.5	25439.7
K 766.491	325.372	ppb	2.1492	0.7	17555.2
Mg 279.078	896.682	ppb	8.7095	1.0	2269.15
Mn 257.610	114.713	ppb	0.8642	0.8	29007.3
Mo 202.032	-0.0692	ppb	0.4154	600.6	9.9536
Na 330.237	263.742	ppb	62.2368	23.6	-0.0344
Ni 231.604	4.2405	ppb	0.6004	14.2	11.8050
Pb 220.353	2193.26	ppb	16.2860	0.7	4423.32
Sb 206.834	-2.7136	ppb	3.7382	137.8	1.9920
Se 196.026	-7.9909	ppb	5.6990	71.3	-1.2821
Sn 189.925	13.8412	ppb	0.5956	4.3	12.2877
Sr 216.596	41.7376	ppb	0.2814	0.7	516.556
Ti 334.941	142.258	ppb	1.1290	0.8	39256.6
Tl 190.794	-1.5588	ppb	1.5722	100.9	-1.4748
V 292.401	27.0391	ppb	0.2635	1.0	802.971
Zn 206.200	187.560	ppb	2.7333	1.5	355.000

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

mb 680-271166/23-a (Samp) 4/3/2013, 10:47:19 AM Rack 3, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2314u	-0.3455u	0.7576
Al 308.215	12.3635	10.9832	11.1229
As 188.980	-1.8815u	-4.8082u	-3.0144u
B 249.678	-4.5343u	-5.2374u	-4.8793u
Ba 389.178	0.7580	-0.4560u	-1.6586u
Be 313.042	0.0200	0.0120	0.0161
Ca 370.602	25.05	23.65	25.65
Cd 226.502	0.0991	0.0716	0.2987
Co 228.615	-0.1066u	-0.1699u	-0.6623u
Cr 267.716	0.6187	0.6373	0.5038
Cu 324.754	0.7075	0.5519	1.1438
Fe 271.441	36.4528	31.1453	40.3924
K 766.491	12.0209	11.6759	11.3081
Mg 279.078	-0.8556u	3.4169	0.0611
Mn 257.610	0.4358	0.4530	0.3888
Mo 202.032	-0.4315u	-0.4314u	-0.4594u
Na 330.237	250.793	-153.651u	128.592
Ni 231.604	1.7992	1.2065	0.9198
Pb 220.353	-2.1621u	-0.1728u	-0.7974u
Sb 206.834	-4.5402u	-0.3486u	-3.0865u
Se 196.026	-3.6870u	-6.9480u	0.7977
Sn 189.925	13.8569	11.5005	15.1836
Sr 216.596	0.3244	0.2524	0.1014
Ti 334.941	0.5907	0.5225	0.4861
Tl 190.794	-3.1535u	0.3867	-5.4217u
V 292.401	0.2379	0.2825	0.2662
Zn 206.200	5.3392	4.1898	3.2087

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0602	ppb	0.6066	1007.4	-78.0059
Al 308.215	11.4899	ppb	0.7598	6.6	148.861
As 188.980	-3.2347	ppb	1.4758	45.6	-3.1389
B 249.678	-4.8837	ppb	0.3515	7.2	48.3599
Ba 389.178	-0.4522	ppb	1.2083	267.2	-21.8148
Be 313.042	0.0160	ppb	0.0040	24.7	-213.483
Ca 370.602	24.78	ppb	1.024	4.1	83.09
Cd 226.502	0.1565	ppb	0.1240	79.2	14.6593
Co 228.615	-0.3129	ppb	0.3042	97.2	1.2123
Cr 267.716	0.5866	ppb	0.0723	12.3	28.6560
Cu 324.754	0.8011	ppb	0.3069	38.3	-46.3632
Fe 271.441	35.9968	ppb	4.6404	12.9	69.0118
K 766.491	11.6683	ppb	0.3565	3.1	828.888
Mg 279.078	0.8741	ppb	2.2493	257.3	29.5813
Mn 257.610	0.4258	ppb	0.0333	7.8	236.138
Mo 202.032	-0.4408	ppb	0.0161	3.7	7.8411
Na 330.237	75.2446	ppb	207.432	275.7	-3.8272
Ni 231.604	1.3085	ppb	0.4485	34.3	2.5725
Pb 220.353	-1.0441	ppb	1.0174	97.4	1.8194
Sb 206.834	-2.6584	ppb	2.1283	80.1	1.6559
Se 196.026	-3.2791	ppb	3.8889	118.6	1.1576
Sn 189.925	13.5137	ppb	1.8654	13.8	11.9661
Sr 216.596	0.2260	ppb	0.1138	50.3	9.3197
Ti 334.941	0.5331	ppb	0.0531	10.0	57.7961
Tl 190.794	-2.7295	ppb	2.9273	107.2	-1.8443
V 292.401	0.2622	ppb	0.0225	8.6	4.1083
Zn 206.200	4.2459	ppb	1.0664	25.1	10.7416

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

ics 680-271166/3-a (Samp) 4/3/2013, 10:53:45 AM Rack 3, Tube 23
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	187.701	188.318	187.086
Al 308.215	1783.54	1781.79	1790.09
As 188.980	195.938	194.438	195.830
B 249.678	316.907	320.401	321.760
Ba 389.178	194.848	194.341	193.779
Be 313.042	175.483	175.639	175.778
Ca 370.602	18373	18401	18454
Cd 226.502	196.308	196.567	195.960
Co 228.615	190.848	193.889	192.728
Cr 267.716	184.021	183.932	185.171
Cu 324.754	183.973	183.815	183.494
Fe 271.441	18555.0	18596.7	18587.2
K 766.491	17920.0	17875.2	17870.1
Mg 279.078	17488.1	17520.7	17549.3
Mn 257.610	1931.74	1936.11	1936.55
Mo 202.032	185.735	186.064	187.138
Na 330.237	14887.0	14932.6	14705.5
Ni 231.604	187.239	188.843	188.718
Pb 220.353	189.518	186.506	188.017
Sb 206.834	170.393	167.905	170.287
Se 196.026	172.884	172.407	171.229
Sn 189.925	198.373	199.956	193.901
Sr 216.596	197.619	198.081	199.261
Ti 334.941	176.126	176.142	176.797
Tl 190.794	39.1659	41.8951	38.1737
V 292.401	179.218	179.561	179.217
Zn 206.200	181.262	179.550	179.522

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	187.702	ppb	0.6162	0.3	14190.8
Al 308.215	1785.14	ppb	4.3772	0.2	9390.10
As 188.980	195.402	ppb	0.8369	0.4	139.773
B 249.678	319.689	ppb	2.5039	0.8	3856.55
Ba 389.178	194.323	ppb	0.5344	0.3	4789.51
Be 313.042	175.633	ppb	0.1476	0.1	372437
Ca 370.602	18409	ppb	40.73	0.2	64991
Cd 226.502	196.279	ppb	0.3048	0.2	7702.44
Co 228.615	192.488	ppb	1.5346	0.8	2324.05
Cr 267.716	184.375	ppb	0.6910	0.4	9151.16
Cu 324.754	183.760	ppb	0.2440	0.1	8743.12
Fe 271.441	18579.7	ppb	21.8336	0.1	35559.4
K 766.491	17888.5	ppb	27.4514	0.2	953995
Mg 279.078	17519.4	ppb	30.6332	0.2	43816.6
Mn 257.610	1934.80	ppb	2.6577	0.1	486616
Mo 202.032	186.312	ppb	0.7341	0.4	1445.78
Na 330.237	14841.7	ppb	120.156	0.8	865.678
Ni 231.604	188.267	ppb	0.8922	0.5	571.502
Pb 220.353	188.014	ppb	1.5059	0.8	382.746
Sb 206.834	169.528	ppb	1.4065	0.8	168.127
Se 196.026	172.173	ppb	0.8519	0.5	96.9236
Sn 189.925	197.410	ppb	3.1400	1.6	186.240
Sr 216.596	198.320	ppb	0.8467	0.4	2387.68
Ti 334.941	176.355	ppb	0.3831	0.2	48759.3
Tl 190.794	39.7449	ppb	1.9271	4.8	39.6038
V 292.401	179.332	ppb	0.1980	0.1	5284.55
Zn 206.200	180.112	ppb	0.9968	0.6	340.353

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88761-a-1-a (Samp) **4/3/2013, 11:00:11 AM** **Rack 3, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.1587	3.6370	3.8529
Al 308.215	110.824	109.367	112.027
As 188.980	11.4344	11.8105	16.3538
B 249.678	6.0303	5.2468	4.8962
Ba 389.178	43.4006	44.6271	43.8816
Be 313.042	0.0207	0.0231	0.0137
Ca 370.602	945.9	946.1	954.1
Cd 226.502	1.2214	1.2191	1.1188
Co 228.615	4.2289	4.5252	4.7442
Cr 267.716	8.5498	8.4002	8.4850
Cu 324.754	76.0514	76.8752	76.5694
Fe 271.441	1116.25	1111.19	1121.73
K 766.491	180.462	180.953	181.936
Mg 279.078	104.502	103.499	104.092
Mn 257.610	30.4497	30.4215	30.5588
Mo 202.032	18.9412	19.3315	18.9868
Na 330.237	210.895	201.690	379.603
Ni 231.604	5.0897	7.1193	7.5774
Pb 220.353	11.0947	10.5762	9.7701
Sb 206.834	-4.5915u	1.7709	-1.5727u
Se 196.026	-3.7877u	0.8630	-6.0671u
Sn 189.925	32.1381	29.9184	32.4888
Sr 216.596	3.7073	3.7571	3.9516
Ti 334.941	7.8295	7.8595	7.9745
Tl 190.794	-3.8264u	-3.8512u	-4.4118u
V 292.401	0.3458	-0.0995u	-0.0250u
Zn 206.200	275.144	275.556	277.424

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.5495	ppb	0.3552	10.0	187.325
Al 308.215	110.740	ppb	1.3320	1.2	667.269
As 188.980	13.1996	ppb	2.7381	20.7	8.6832
B 249.678	5.3911	ppb	0.5807	10.8	168.341
Ba 389.178	43.9698	ppb	0.6180	1.4	1059.93
Be 313.042	0.0192	ppb	0.0049	25.4	-210.006
Ca 370.602	948.7	ppb	4.702	0.5	3329
Cd 226.502	1.1865	ppb	0.0586	4.9	57.4958
Co 228.615	4.4995	ppb	0.2586	5.7	58.7175
Cr 267.716	8.4783	ppb	0.0750	0.9	420.337
Cu 324.754	76.4987	ppb	0.4164	0.5	3587.48
Fe 271.441	1116.39	ppb	5.2719	0.5	2135.62
K 766.491	181.117	ppb	0.7509	0.4	9863.66
Mg 279.078	104.031	ppb	0.5040	0.5	287.240
Mn 257.610	30.4767	ppb	0.0725	0.2	7792.95
Mo 202.032	19.0865	ppb	0.2134	1.1	158.279
Na 330.237	264.063	ppb	100.166	37.9	4.6244
Ni 231.604	6.5955	ppb	1.3240	20.1	18.6747
Pb 220.353	10.4803	ppb	0.6675	6.4	25.0083
Sb 206.834	-1.4644	ppb	3.1826	217.3	2.6427
Se 196.026	-2.9973	ppb	3.5320	117.8	1.3253
Sn 189.925	31.5151	ppb	1.3939	4.4	29.0246
Sr 216.596	3.8053	ppb	0.1291	3.4	51.9954
Ti 334.941	7.8878	ppb	0.0765	1.0	2092.27
Tl 190.794	-4.0298	ppb	0.3310	8.2	-3.3451
V 292.401	0.0738	ppb	0.2385	323.2	-6.1950
Zn 206.200	276.042	ppb	1.2152	0.4	521.193

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 11:06:38 AM Rack 3, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	469.893	472.579	472.730
Al 308.215	4560.80	4569.48	4572.48
As 188.980	461.968	465.403	469.945
B 249.678	451.499	454.483	458.630
Ba 389.178	4959.98	4968.97	4992.45
Be 313.042	437.879	438.429	440.278
Ca 370.602	4935	4941	4963
Cd 226.502	492.358	494.105	495.416
Co 228.615	488.670	489.046	491.421
Cr 267.716	4635.77	4637.26	4652.32
Cu 324.754	4592.41	4515.60	4606.89
Fe 271.441	4848.44	4848.67	4880.36
K 766.491	9439.20	9477.16	9537.76
Mg 279.078	4680.29	4698.45	4718.43
Mn 257.610	4750.12	4748.00	4770.57
Mo 202.032	486.642	487.936	490.531
Na 330.237	6786.91	6873.11	7001.05
Ni 231.604	2389.65	2385.41	2394.48
Pb 220.353	497.026	497.187	501.064
Sb 206.834	936.823	932.542	947.825
Se 196.026	4629.59	4686.96	4662.81
Sn 189.925	4951.21	4887.70	4938.31
Sr 216.596	2431.57	2433.07	2438.55
Ti 334.941	468.848	469.765	472.836
Tl 190.794	5180.70	5215.35	5227.72
V 292.401	4688.60	4698.65	4723.19
Zn 206.200	2410.81	2410.34	2420.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.734	ppb	1.5962	0.3	35722.1	94.34679
Al 308.215	4567.59	ppb	6.0672	0.1	23819.7	91.35173
As 188.980	465.772	ppb	4.0013	0.9	334.362	93.15442
B 249.678	454.871	ppb	3.5816	0.8	5467.47	18.19483Q
Ba 389.178	4973.80	ppb	16.7671	0.3	120922	99.47601
Be 313.042	438.862	ppb	1.2572	0.3	930808	87.77238Q
Ca 370.602	4946	ppb	14.64	0.3	17742	98.92574
Cd 226.502	493.960	ppb	1.5342	0.3	19265.9	98.79193
Co 228.615	489.712	ppb	1.4916	0.3	5917.72	97.94244
Cr 267.716	4641.78	ppb	9.1534	0.2	230117	92.83569
Cu 324.754	4571.64	ppb	49.0619	1.1	219294	91.43272
Fe 271.441	4859.16	ppb	18.3648	0.4	9421.54	97.18317
K 766.491	9484.71	ppb	49.7107	0.5	505918	94.84710
Mg 279.078	4699.06	ppb	19.0768	0.4	11690.9	93.98111
Mn 257.610	4756.23	ppb	12.4656	0.3	1195575	95.12455
Mo 202.032	488.370	ppb	1.9806	0.4	3765.32	97.67398
Na 330.237	6887.03	ppb	107.745	1.6	374.950	91.82700
Ni 231.604	2389.85	ppb	4.5400	0.2	7265.59	95.59390
Pb 220.353	498.426	ppb	2.2863	0.5	1008.11	99.68514
Sb 206.834	939.063	ppb	7.8844	0.8	949.022	93.90634
Se 196.026	4659.79	ppb	28.8034	0.6	2530.68	93.19576
Sn 189.925	4925.74	ppb	33.5685	0.7	4666.79	98.51479
Sr 216.596	2434.40	ppb	3.6739	0.2	29182.9	97.37593
Ti 334.941	470.483	ppb	2.0885	0.4	130040	94.09654
Tl 190.794	5207.92	ppb	24.3715	0.5	5557.37	104.15848
V 292.401	4703.48	ppb	17.7946	0.4	139602	94.06964
Zn 206.200	2413.73	ppb	5.4703	0.2	4518.69	96.54922

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 11:13:50 AM Rack 3, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3158	0.5933	0.7894
Al 308.215	6.8390	8.9838	15.3209
As 188.980	2.5612	-0.6361u	3.6659
B 249.678	2.4322	2.0380	2.3303
Ba 389.178	3.3576	4.8684	4.3307
Be 313.042	0.3581	0.3814	0.4191
Ca 370.602	17.03	15.44	29.82
Cd 226.502	0.4303	0.5642	0.4662
Co 228.615	0.0717	0.2195	-0.3406u
Cr 267.716	3.2507	3.4903	3.7446
Cu 324.754	3.9280	3.7924	4.6417
Fe 271.441	26.1520	29.7487	55.6350
K 766.491	13.0960	13.4698	15.2035
Mg 279.078	7.5431	4.6828	8.9485
Mn 257.610	4.1306	4.4498	5.1353
Mo 202.032	0.7637	0.4403	0.3240
Na 330.237	105.816	-126.000u	44.2932
Ni 231.604	1.0179	2.6500	2.4905
Pb 220.353	1.7508	0.4103	-1.6747u
Sb 206.834	-4.7044u	-2.1107u	-1.4788u
Se 196.026	0.1484	-0.3601u	-2.4847u
Sn 189.925	0.3484	1.7968	4.8030
Sr 216.596	2.0380	2.4562	2.2651
Ti 334.941	0.5484	0.5287	0.6249
Tl 190.794	1.2985	2.5886	5.0631
V 292.401	3.9321	3.6120	4.0617
Zn 206.200	4.7487	6.0813	9.0550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5661	ppb	0.2379	42.0	-39.5776	0.56614
Al 308.215	10.3812	ppb	4.4102	42.5	143.163	10.38124
As 188.980	1.8637	ppb	2.2342	119.9	0.5314	1.86369
B 249.678	2.2669	ppb	0.2046	9.0	132.732	2.26685
Ba 389.178	4.1856	ppb	0.7658	18.3	90.9452	4.18557
Be 313.042	0.3862	ppb	0.0308	8.0	571.721	0.38620
Ca 370.602	20.76	ppb	7.885	38.0	68.79	20.76046
Cd 226.502	0.4869	ppb	0.0693	14.2	27.5316	0.48689
Co 228.615	-0.0165	ppb	0.2903	1760.5	4.7691	-0.01649
Cr 267.716	3.4952	ppb	0.2470	7.1	172.847	3.49523
Cu 324.754	4.1207	ppb	0.4562	11.1	112.951	4.12070
Fe 271.441	37.1786	ppb	16.0846	43.3	71.4078	37.17859Z
K 766.491	13.9231	ppb	1.1245	8.1	949.110	13.92308
Mg 279.078	7.0581	ppb	2.1738	30.8	44.9713	7.05814
Mn 257.610	4.5719	ppb	0.5133	11.2	1278.22	4.57188
Mo 202.032	0.5093	ppb	0.2278	44.7	15.1564	0.50932
Na 330.237	8.0362	ppb	120.086	1494.3	-7.8472	8.03617
Ni 231.604	2.0528	ppb	0.8998	43.8	4.8357	2.05278
Pb 220.353	0.1621	ppb	1.7261	1064.7	4.2492	0.16213
Sb 206.834	-2.7646	ppb	1.7093	61.8	1.5682	-2.76464
Se 196.026	-0.8988	ppb	1.3968	155.4	2.4492	-0.89879
Sn 189.925	2.3161	ppb	2.2722	98.1	1.3552	2.31606
Sr 216.596	2.2531	ppb	0.2094	9.3	33.6140	2.25315
Ti 334.941	0.5673	ppb	0.0508	9.0	67.3041	0.56734
Tl 190.794	2.9834	ppb	1.9131	64.1	4.2517	2.98339
V 292.401	3.8686	ppb	0.2315	6.0	111.060	3.86861
Zn 206.200	6.6284	ppb	2.2047	33.3	15.2056	6.62835

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88789-a-2-a^10 (Samp) 4/3/2013, 11:20:18 AM Rack 3, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.3873	4.9121	4.9377
Al 308.215	29572.5	29467.2	29223.8
As 188.980	6.4525	-0.3355	6.5604
B 249.678	251.467	251.096	249.468
Ba 389.178	2520.91	2504.57	2486.87
Be 313.042	0.6472	0.6501	0.6388
Ca 370.602	180828	179212	178153
Cd 226.502	18.3840	18.4471	18.1854
Co 228.615	10.7453	11.2783	10.8815
Cr 267.716	237.229	236.246	233.598
Cu 324.754	125.988	124.847	124.600
Fe 271.441	16485.9	16387.4	16268.9
K 766.491	59406.8x	58868.7x	58352.6x
Mg 279.078	24358.1	24261.8	24023.1
Mn 257.610	8469.91	8410.27	8347.36
Mo 202.032	20.1275	20.4139	20.8104
Na 330.237	19227.3	19216.2	19008.3
Ni 231.604	48.2498	48.7543	48.4871
Pb 220.353	36.5518	36.9259	41.0193
Sb 206.834	-3.9923u	-0.7258	-0.7281
Se 196.026	0.2549	-6.2003u	4.0396
Sn 189.925	2.6122	4.4826	-1.2248u
Sr 216.596	992.822	988.769	981.710
Ti 334.941	1421.34	1445.68	1404.88
Tl 190.794	23.8228	17.8757	22.1337
V 292.401	36.3291	36.0700	35.4444
Zn 206.200	922.664	915.830	902.252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.7457b	ppb	0.3107	6.5	268.352
Al 308.215	29421.2b	ppb	178.853	0.6	153048
As 188.980	4.2258b	ppb	3.9506	93.5	3.7603
B 249.678	250.677b	ppb	1.0636	0.4	3044.92
Ba 389.178	2504.12b	ppb	17.0232	0.7	60947.6
Be 313.042	0.6454b	ppb	0.0059	0.9	1177.77
Ca 370.602	179398b	ppb	1347	0.8	648004
Cd 226.502	18.3388b	ppb	0.1366	0.7	764.256
Co 228.615	10.9684b	ppb	0.2769	2.5	176.401
Cr 267.716	235.691b	ppb	1.8778	0.8	11729.7
Cu 324.754	125.145b	ppb	0.7407	0.6	5926.17
Fe 271.441	16380.7b	ppb	108.637	0.7	31324.2
K 766.491	58876.1xb	ppb	527.130	0.9	3139398
Mg 279.078	24214.3b	ppb	172.504	0.7	60430.3
Mn 257.610	8409.18b	ppb	61.2827	0.7	2113885
Mo 202.032	20.4506b	ppb	0.3429	1.7	167.916
Na 330.237	19150.6b	ppb	123.342	0.6	1105.11
Ni 231.604	48.4971b	ppb	0.2524	0.5	146.462
Pb 220.353	38.1657b	ppb	2.4784	6.5	81.3763
Sb 206.834	-1.8154b	ppb	1.8852	103.8	4.8117
Se 196.026	-0.6352b	ppb	5.1777	815.1	4.9644
Sn 189.925	1.9567b	ppb	2.9096	148.7	1.1058
Sr 216.596	987.767b	ppb	5.6234	0.6	11896.0
Ti 334.941	1423.96b	ppb	20.5298	1.4	393807
Tl 190.794	21.2774b	ppb	3.0646	14.4	9.8153
V 292.401	35.9478b	ppb	0.4548	1.3	1070.75
Zn 206.200	913.582b	ppb	10.3992	1.1	1717.75

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88789-a-3-a^10 (Samp) 4/3/2013, 11:26:44 AM Rack 3, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.3426	4.4855	4.1115
Al 308.215	28969.1	28811.3	28614.3
As 188.980	3.1046	2.7099	5.7212
B 249.678	210.415	211.066	211.075
Ba 389.178	2343.65	2351.19	2341.73
Be 313.042	0.6592	0.6632	0.6497
Ca 370.602	166185	165705	164583
Cd 226.502	16.9491	17.0084	17.0266
Co 228.615	9.4852	9.6217	9.3029
Cr 267.716	199.268	198.442	197.037
Cu 324.754	116.429	115.587	114.920
Fe 271.441	16303.4	16295.7	16191.5
K 766.491	60744.8x	60588.0x	60379.8x
Mg 279.078	22213.0	22108.5	21992.1
Mn 257.610	7636.80	7602.56	7560.68
Mo 202.032	18.5433	18.2421	17.9548
Na 330.237	19303.5	19323.1	19070.4
Ni 231.604	47.8173	47.9632	47.9635
Pb 220.353	33.9737	34.6896	35.2014
Sb 206.834	0.7633	1.3043	-2.2758u
Se 196.026	-1.6523	8.2354	-8.2376u
Sn 189.925	3.4238	1.6621	1.1822
Sr 216.596	912.439	912.718	903.269
Ti 334.941	1469.59	1463.49	1455.29
Tl 190.794	20.8530	20.0581	17.1907
V 292.401	34.9996	35.1253	34.6654
Zn 206.200	849.705	839.245	840.943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.3132b	ppb	0.1887	4.4	235.858
Al 308.215	28798.2b	ppb	177.775	0.6	149809
As 188.980	3.8452b	ppb	1.6366	42.6	3.3546
B 249.678	210.852b	ppb	0.3785	0.2	2575.13
Ba 389.178	2345.52b	ppb	4.9994	0.2	57086.8
Be 313.042	0.6574b	ppb	0.0069	1.1	1198.55
Ca 370.602	165491b	ppb	822.2	0.5	597689
Cd 226.502	16.9947b	ppb	0.0406	0.2	711.617
Co 228.615	9.4699b	ppb	0.1600	1.7	159.168
Cr 267.716	198.249b	ppb	1.1278	0.6	9869.79
Cu 324.754	115.645b	ppb	0.7562	0.7	5470.17
Fe 271.441	16263.5b	ppb	62.4681	0.4	31099.9
K 766.491	60570.9xb	ppb	183.105	0.3	3229762
Mg 279.078	22104.5b	ppb	110.540	0.5	55168.5
Mn 257.610	7600.01b	ppb	38.1243	0.5	1910497
Mo 202.032	18.2467b	ppb	0.2943	1.6	150.938
Na 330.237	19232.3b	ppb	140.609	0.7	1110.33
Ni 231.604	47.9147b	ppb	0.0843	0.2	144.688
Pb 220.353	34.6216b	ppb	0.6167	1.8	74.0237
Sb 206.834	-0.0694b	ppb	1.9299	2780.8	6.1541
Se 196.026	-0.5515b	ppb	8.2915	1503.5	4.7909
Sn 189.925	2.0894b	ppb	1.1803	56.5	1.2251
Sr 216.596	909.475b	ppb	5.3767	0.6	10954.2
Ti 334.941	1462.79b	ppb	7.1774	0.5	404534
Tl 190.794	19.3673b	ppb	1.9264	9.9	9.0414
V 292.401	34.9301b	ppb	0.2377	0.7	1044.02
Zn 206.200	843.297b	ppb	5.6134	0.7	1585.89

680-88789-a-4-a^10 (Samp) 4/3/2013, 11:33:11 AM Rack 3, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	3.0710	2.8948	3.4830
Al 308.215	28498.8	27901.1	27439.5
As 188.980	10.7127	11.5927	4.1311
B 249.678	540.232	534.057	528.823
Ba 389.178	1101.74	1082.45	1065.61
Be 313.042	0.4279	0.4243	0.4100
Ca 370.602	201533	197642	194505
Cd 226.502	20.6460	20.5250	19.7260
Co 228.615	16.8575	16.0737	16.5993
Cr 267.716	310.652	304.606	299.351
Cu 324.754	280.976	279.136	275.374
Fe 271.441	9462.55	9293.22	9138.84
K 766.491	105096x	103971x	102172x
Mg 279.078	51541.8	50554.9	49785.5
Mn 257.610	18434.1	18075.6	17785.5
Mo 202.032	45.8367	45.4277	43.9969
Na 330.237	32682.7	32182.2	31724.1
Ni 231.604	39.1118	38.9380	37.9538
Pb 220.353	66.3346	61.3760	62.2952
Sb 206.834	-6.5009u	8.0603	3.3871
Se 196.026	9.3736	0.4288	-0.7131
Sn 189.925	1.6483	2.5417	3.3592
Sr 216.596	1294.75	1272.45	1249.05
Ti 334.941	515.483	504.936	496.542
Tl 190.794	47.4992	43.5485	47.9212
V 292.401	23.6509	22.8889	22.3778
Zn 206.200	2323.55	2278.02	2247.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1496b	ppb	0.3019	9.6	177.637
Al 308.215	27946.5b	ppb	531.124	1.9	145385
As 188.980	8.8122b	ppb	4.0778	46.3	7.3164
B 249.678	534.371b	ppb	5.7107	1.1	6400.61
Ba 389.178	1083.27b	ppb	18.0772	1.7	26473.0
Be 313.042	0.4207b	ppb	0.0094	2.2	696.532
Ca 370.602	197893b	ppb	3521	1.8	715662
Cd 226.502	20.2990b	ppb	0.4999	2.5	823.179
Co 228.615	16.5101b	ppb	0.3994	2.4	217.250
Cr 267.716	304.870b	ppb	5.6551	1.9	15199.5
Cu 324.754	278.495b	ppb	2.8558	1.0	13284.8
Fe 271.441	9298.20b	ppb	161.914	1.7	17782.7
K 766.491	103747xb	ppb	1474.86	1.4	5531837
Mg 279.078	50627.4b	ppb	880.394	1.7	126315
Mn 257.610	18098.4b	ppb	324.920	1.8	4549312
Mo 202.032	45.0871b	ppb	0.9660	2.1	358.185
Na 330.237	32196.4b	ppb	479.459	1.5	1880.76
Ni 231.604	38.6678b	ppb	0.6245	1.6	116.407
Pb 220.353	63.3353b	ppb	2.6379	4.2	135.233
Sb 206.834	1.6488b	ppb	7.4346	450.9	8.3233
Se 196.026	3.0298b	ppb	5.5235	182.3	9.5221
Sn 189.925	2.5164b	ppb	0.8557	34.0	1.6504
Sr 216.596	1272.08b	ppb	22.8528	1.8	15308.9
Ti 334.941	505.654b	ppb	9.4906	1.9	139970
Tl 190.794	46.3230b	ppb	2.4120	5.2	21.8235
V 292.401	22.9726b	ppb	0.6406	2.8	658.433
Zn 206.200	2282.95b	ppb	38.3797	1.7	4289.41

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88805-a-1-a^10 (Samp) **4/3/2013, 11:39:38 AM** **Rack 3, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.8814	0.8124	-0.3343u
Al 308.215	2120.11	2094.15	2079.52
As 188.980	29062.8x	28730.8x	28646.1x
B 249.678	18.8324	17.2172	16.4352
Ba 389.178	1433.39	1421.06	1408.53
Be 313.042	0.2596	0.2467	0.2366
Ca 370.602	144454	142572	142258
Cd 226.502	0.3555	0.2191	0.1734
Co 228.615	5.7733	5.1152	5.1626
Cr 267.716	14013.1x	13876.8x	13810.0x
Cu 324.754	17061.1	16905.9	16865.3
Fe 271.441	13292.6	13241.5	13155.8
K 766.491	925.353	917.584	914.405
Mg 279.078	46983.8	46606.4	46326.2
Mn 257.610	593.477	589.158	584.701
Mo 202.032	7.7171	7.9041	7.2933
Na 330.237	218.856	114.162	237.225
Ni 231.604	10.3897	9.9467	9.5908
Pb 220.353	17.8151	21.2277	23.7721
Sb 206.834	202.239	197.461	196.094
Se 196.026	0.9503	-5.3186u	4.1709
Sn 189.925	2.9440	2.5421	3.3690
Sr 216.596	142.360	141.332	141.119
Ti 334.941	50.9463	50.2866	50.0091
Tl 190.794	1.4814u	2.3043	4.2326
V 292.401	11.3608u	12.1474u	12.3509u
Zn 206.200	121.618	121.242	122.853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4532b	ppb	0.6829	150.7	-53.5191
Al 308.215	2097.92b	ppb	20.5584	1.0	10997.3
As 188.980	28813.3xb	ppb	220.238	0.8	20744.8
B 249.678	17.4949b	ppb	1.2225	7.0	297.049
Ba 389.178	1420.99b	ppb	12.4308	0.9	34677.2
Be 313.042	0.2476b	ppb	0.0115	4.7	326.268
Ca 370.602	143095b	ppb	1188	0.8	516427
Cd 226.502	0.2493b	ppb	0.0947	38.0	52.0412
Co 228.615	5.3504b	ppb	0.3671	6.9	118.364
Cr 267.716	13900.0xb	ppb	103.536	0.7	689185
Cu 324.754	16944.1b	ppb	103.377	0.6	813129
Fe 271.441	13230.0b	ppb	69.0976	0.5	25330.1
K 766.491	919.114b	ppb	5.6324	0.6	49212.6
Mg 279.078	46638.8b	ppb	329.978	0.7	116679
Mn 257.610	589.112b	ppb	4.3882	0.7	148647
Mo 202.032	7.6382b	ppb	0.3129	4.1	69.4488
Na 330.237	190.081b	ppb	66.3863	34.9	-2.7560
Ni 231.604	9.9757b	ppb	0.4002	4.0	29.2540
Pb 220.353	20.9383b	ppb	2.9890	14.3	46.1699
Sb 206.834	198.598b	ppb	3.2266	1.6	329.526
Se 196.026	-0.0658b	ppb	4.8257	7335.7	3.1428
Sn 189.925	2.9517b	ppb	0.4135	14.0	2.0243
Sr 216.596	141.604b	ppb	0.6638	0.5	1728.76
Ti 334.941	50.4140b	ppb	0.4814	1.0	14062.0
Tl 190.794	2.6728b	ppb	1.4121	52.8	2.2808
V 292.401	11.9530b	ppb	0.5229	4.4	-599.735
Zn 206.200	121.904b	ppb	0.8427	0.7	179.195

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88767-b-35-a^2 (Samp) 4/3/2013, 11:46:04 AM Rack 3, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4303	0.1297	0.7829
Al 308.215	40427.8	40392.9	40294.9
As 188.980	96.4249	97.8358	97.1893
B 249.678	4.0797u	4.0499u	4.2479u
Ba 389.178	1180.71	1178.51	1175.16
Be 313.042	4.4617	4.4556	4.4556
Ca 370.602	39928	39907	39825
Cd 226.502	6.0421	5.9298	5.7018
Co 228.615	58.4104	59.0793	58.6769
Cr 267.716	126.349	126.410	126.529
Cu 324.754	239.692	237.246	238.270
Fe 271.441	123417	122779	122762
K 766.491	5059.41	5045.11	5035.82
Mg 279.078	6089.51	6075.56	6064.12
Mn 257.610	16463.2	16421.0	16390.1
Mo 202.032	10.5214	9.7472	9.1127
Na 330.237	482.835u	653.059u	541.229u
Ni 231.604	82.7403	82.9608	80.7711
Pb 220.353	1184.48	1187.13	1178.44
Sb 206.834	2.8691	7.6514	0.7705
Se 196.026	5.3803	4.1061	12.0561
Sn 189.925	41.3431	39.4625	41.0787
Sr 216.596	150.345	150.296	150.291
Ti 334.941	632.354	633.114	631.431
Tl 190.794	41.0380	35.6725	40.8816
V 292.401	137.412	136.711	136.829
Zn 206.200	2303.02	2296.55	2292.43

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4476	ppb	0.3270	73.0	20.3853
Al 308.215	40371.9	ppb	68.9105	0.2	209976
As 188.980	97.1500	ppb	0.7063	0.7	68.0757
B 249.678	4.1258	ppb	0.1068	2.6	11.5293
Ba 389.178	1178.13	ppb	2.7917	0.2	28823.9
Be 313.042	4.4576	ppb	0.0035	0.1	9215.82
Ca 370.602	39887	ppb	54.50	0.1	133683
Cd 226.502	5.8912	ppb	0.1734	2.9	547.064
Co 228.615	58.7222	ppb	0.3368	0.6	726.323
Cr 267.716	126.429	ppb	0.0917	0.1	6370.98
Cu 324.754	238.403	ppb	1.2283	0.5	11390.5
Fe 271.441	122986	ppb	373.477	0.3	235167
K 766.491	5046.78	ppb	11.8825	0.2	269294
Mg 279.078	6076.39	ppb	12.7171	0.2	14927.7
Mn 257.610	16424.7	ppb	36.6783	0.2	4128597
Mo 202.032	9.7938	ppb	0.7055	7.2	79.9612
Na 330.237	559.041	ppb	86.4982	15.5	-42.8606
Ni 231.604	82.1574	ppb	1.2056	1.5	251.354
Pb 220.353	1183.35	ppb	4.4512	0.4	2391.39
Sb 206.834	3.7637	ppb	3.5266	93.7	11.6133
Se 196.026	7.1808	ppb	4.2699	59.5	12.0440
Sn 189.925	40.6281	ppb	1.0181	2.5	37.6753
Sr 216.596	150.311	ppb	0.0301	0.0	1870.03
Ti 334.941	632.300	ppb	0.8429	0.1	174810
Tl 190.794	39.1973	ppb	3.0536	7.8	10.7545
V 292.401	136.984	ppb	0.3755	0.3	4074.38
Zn 206.200	2297.33	ppb	5.3341	0.2	4317.10

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88767-a-55-a^2 (Samp) 4/3/2013, 11:52:31 AM Rack 3, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2985	1.1764	0.7322
Al 308.215	48412.5	47947.8	47946.7
As 188.980	118.453	116.656	119.357
B 249.678	11.8953u	11.6722u	11.0349u
Ba 389.178	1351.28	1341.88	1341.37
Be 313.042	5.4938	5.4527	5.4389
Ca 370.602	60265	59793	59846
Cd 226.502	6.1788	6.0439	6.2165
Co 228.615	66.7447	66.5945	65.4084
Cr 267.716	136.520	134.671	134.692
Cu 324.754	272.354	268.393	265.352
Fe 271.441	149411	148481	148470
K 766.491	6355.91	6309.54	6323.68
Mg 279.078	9805.04	9754.87	9730.34
Mn 257.610	18468.2	18283.4	18302.4
Mo 202.032	11.1058	10.8827	11.5552
Na 330.237	683.820u	616.997u	975.201u
Ni 231.604	89.3105	89.8020	90.3463
Pb 220.353	1359.13	1343.22	1349.47
Sb 206.834	5.0434	0.9017	4.8183
Se 196.026	10.1733	0.1128	-7.3682
Sn 189.925	157.287	153.453	154.348
Sr 216.596	203.999	203.606	201.719
Ti 334.941	773.668	767.170	767.599
Tl 190.794	47.3895	47.3913	42.4190
V 292.401	147.973	146.775	146.455
Zn 206.200	2622.20	2599.31	2593.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7357	ppb	0.4390	59.7	48.6409
Al 308.215	48102.3	ppb	268.639	0.6	250166
As 188.980	118.155	ppb	1.3750	1.2	83.0878
B 249.678	11.5341	ppb	0.4465	3.9	68.8485
Ba 389.178	1344.84	ppb	5.5841	0.4	32924.4
Be 313.042	5.4618	ppb	0.0286	0.5	11353.3
Ca 370.602	59968	ppb	258.4	0.4	204048
Cd 226.502	6.1464	ppb	0.0907	1.5	621.996
Co 228.615	66.2492	ppb	0.7320	1.1	819.824
Cr 267.716	135.295	ppb	1.0618	0.8	6825.59
Cu 324.754	268.700	ppb	3.5115	1.3	12851.8
Fe 271.441	148787	ppb	540.144	0.4	284501
K 766.491	6329.71	ppb	23.7679	0.4	337698
Mg 279.078	9763.42	ppb	38.0742	0.4	24116.5
Mn 257.610	18351.3	ppb	101.688	0.6	4612924
Mo 202.032	11.1812	ppb	0.3425	3.1	89.2710
Na 330.237	758.673	ppb	190.472	25.1	-43.7397
Ni 231.604	89.8196	ppb	0.5181	0.6	275.270
Pb 220.353	1350.61	ppb	8.0175	0.6	2728.67
Sb 206.834	3.5878	ppb	2.3289	64.9	12.0982
Se 196.026	0.9726	ppb	8.8023	905.0	9.3636
Sn 189.925	155.029	ppb	2.0061	1.3	146.090
Sr 216.596	203.108	ppb	1.2188	0.6	2517.89
Ti 334.941	769.479	ppb	3.6341	0.5	212766
Tl 190.794	45.7333	ppb	2.8702	6.3	13.3304
V 292.401	147.068	ppb	0.8000	0.5	4376.03
Zn 206.200	2605.06	ppb	15.1112	0.6	4895.03

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88789-a-1-b^10 (Samp) **4/3/2013, 11:58:58 AM** **Rack 3, Tube 33****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.7165	2.3865	2.6130
Al 308.215	15364.5	15318.7	15240.8
As 188.980	-1.9502u	3.2527	4.8419
B 249.678	128.835	128.992	130.161
Ba 389.178	1341.32	1337.51	1332.99
Be 313.042	0.3205	0.3135	0.3185
Ca 370.602	99371	99006	98545
Cd 226.502	8.7622	8.9026	8.8463
Co 228.615	5.6603	5.5206	4.8680
Cr 267.716	141.618	140.902	140.395
Cu 324.754	67.8666	67.6037	69.9190
Fe 271.441	8594.20	8560.50	8555.03
K 766.491	29818.2	29680.7	29699.6
Mg 279.078	13013.5	12942.4	12912.4
Mn 257.610	4687.35	4660.37	4654.95
Mo 202.032	6.7218	6.5079	7.2819
Na 330.237	9431.45	9166.15	9033.14
Ni 231.604	32.9692	32.9349	31.8602
Pb 220.353	18.8493	19.6621	20.2200
Sb 206.834	-0.1523	-5.4488u	-4.7538u
Se 196.026	-0.2689	1.6386	6.9242
Sn 189.925	-1.0430u	0.6819	2.1327
Sr 216.596	528.123	527.567	524.173
Ti 334.941	796.277	794.707	791.257
Tl 190.794	10.8666	11.9468	6.7365u
V 292.401	18.1204	18.3622	17.8715
Zn 206.200	442.282	437.123	440.421

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.5720	ppb	0.1688	6.6	108.860
Al 308.215	15308.0	ppb	62.5177	0.4	79674.1
As 188.980	2.0481	ppb	3.5527	173.5	1.5151
B 249.678	129.329	ppb	0.7248	0.6	1622.11
Ba 389.178	1337.27	ppb	4.1672	0.3	32542.5
Be 313.042	0.3175	ppb	0.0036	1.1	458.081
Ca 370.602	98974	ppb	413.8	0.4	357547
Cd 226.502	8.8370	ppb	0.0707	0.8	374.410
Co 228.615	5.3496	ppb	0.4229	7.9	91.3361
Cr 267.716	140.972	ppb	0.6147	0.4	7013.59
Cu 324.754	68.4631	ppb	1.2677	1.9	3203.41
Fe 271.441	8569.91	ppb	21.2122	0.2	16388.1
K 766.491	29732.8	ppb	74.5480	0.3	1585521
Mg 279.078	12956.1	ppb	51.9430	0.4	32343.5
Mn 257.610	4667.56	ppb	17.3521	0.4	1173374
Mo 202.032	6.8372	ppb	0.3997	5.8	63.4454
Na 330.237	9210.25	ppb	202.784	2.2	526.015
Ni 231.604	32.5881	ppb	0.6306	1.9	97.8951
Pb 220.353	19.5772	ppb	0.6893	3.5	43.7097
Sb 206.834	-3.4516	ppb	2.8783	83.4	2.3298
Se 196.026	2.7646	ppb	3.7264	134.8	5.7486
Sn 189.925	0.5905	ppb	1.5898	269.2	-0.2301
Sr 216.596	526.621	ppb	2.1384	0.4	6345.69
Ti 334.941	794.080	ppb	2.5684	0.3	219566
Tl 190.794	9.8500	ppb	2.7499	27.9	3.8591
V 292.401	18.1180	ppb	0.2453	1.4	538.263
Zn 206.200	439.942	ppb	2.6128	0.6	828.530

mb 680-271409/1-a (Samp) 4/3/2013, 12:05:24 PM Rack 3, Tube 34
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2754	0.4828	0.0596
Al 308.215	-1.6765u	-0.8911u	-3.2603u
As 188.980	-2.7086u	-2.2375u	-1.3833u
B 249.678	-1.0826u	-1.1189u	-0.8240u
Ba 389.178	-0.3427u	-0.3750u	-0.6646u
Be 313.042	0.0050	0.0074	0.0118
Ca 370.602	22.54	20.78	20.73
Cd 226.502	-0.1682u	0.0888	0.0342
Co 228.615	-0.5076u	-0.6602u	-0.5122u
Cr 267.716	1.3601	1.5436	1.5348
Cu 324.754	1.8326	1.3934	1.9381
Fe 271.441	-1.7953u	7.3630	4.9277
K 766.491	3.8451	3.4125	3.2812
Mg 279.078	-0.4327u	-1.9742u	-0.7124u
Mn 257.610	-0.1425u	-0.1401u	-0.1279u
Mo 202.032	0.2302	0.0822	-0.5964u
Na 330.237	192.632	221.651	325.314
Ni 231.604	24.0338	25.4049	23.6893
Pb 220.353	-2.1534u	-0.0743u	0.7683
Sb 206.834	-2.4300u	-2.9901u	-6.0883u
Se 196.026	-9.5587u	-5.1926u	0.1330
Sn 189.925	-1.1581u	-0.3509u	-2.5476u
Sr 216.596	0.5783	0.2246	0.0466
Ti 334.941	0.2425	0.1992	0.1986
Tl 190.794	0.8346	-1.4843u	-2.6249u
V 292.401	-0.4341u	-0.1199u	-0.3914u
Zn 206.200	1.7521	0.8584	2.3127

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2726	ppb	0.2116	77.6	-61.8509
Al 308.215	-1.9426	ppb	1.2068	62.1	79.0738
As 188.980	-2.1098	ppb	0.6718	31.8	-2.3288
B 249.678	-1.0085	ppb	0.1608	15.9	94.1197
Ba 389.178	-0.4607	ppb	0.1773	38.5	-22.0729
Be 313.042	0.0081	ppb	0.0035	42.8	-230.447
Ca 370.602	21.35	ppb	1.030	4.8	73.37
Cd 226.502	-0.0150	ppb	0.1354	899.9	7.8995
Co 228.615	-0.5600	ppb	0.0868	15.5	-1.7721
Cr 267.716	1.4795	ppb	0.1035	7.0	72.9260
Cu 324.754	1.7214	ppb	0.2888	16.8	-2.1895
Fe 271.441	3.4985	ppb	4.7435	135.6	6.8981
K 766.491	3.5130	ppb	0.2951	8.4	394.057
Mg 279.078	-1.0398	ppb	0.8212	79.0	24.8026
Mn 257.610	-0.1369	ppb	0.0078	5.7	94.6012
Mo 202.032	-0.0947	ppb	0.4408	465.7	10.5115
Na 330.237	246.532	ppb	69.7528	28.3	6.4071
Ni 231.604	24.3760	ppb	0.9076	3.7	72.7138
Pb 220.353	-0.4865	ppb	1.5038	309.1	2.9428
Sb 206.834	-3.8361	ppb	1.9704	51.4	0.5257
Se 196.026	-4.8728	ppb	4.8538	99.6	0.2932
Sn 189.925	-1.3522	ppb	1.1112	82.2	-2.1207
Sr 216.596	0.2832	ppb	0.2707	95.6	9.5350
Ti 334.941	0.2134	ppb	0.0252	11.8	-30.6282
Tl 190.794	-1.0915	ppb	1.7629	161.5	-0.0930
V 292.401	-0.3151	ppb	0.1704	54.1	-13.2120
Zn 206.200	1.6411	ppb	0.7335	44.7	5.8459

ics 680-271409/3-a (Samp) 4/3/2013, 12:11:51 PM Rack 3, Tube 35
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	193.266	192.874	194.241
Al 308.215	1793.98	1794.45	1801.70
As 188.980	207.353	214.169	208.682
B 249.678	336.176	341.053	341.255
Ba 389.178	206.354	205.513	205.423
Be 313.042	188.995	188.772	189.145
Ca 370.602	19627	19605	19650
Cd 226.502	207.212	206.766	206.866
Co 228.615	206.987	204.319	206.519
Cr 267.716	198.059	197.919	198.196
Cu 324.754	196.400	195.447	196.257
Fe 271.441	20058.1	19994.1	19977.3
K 766.491	18693.1	18615.6	18644.2
Mg 279.078	19075.7	19077.7	19084.6
Mn 257.610	2021.74	2024.44	2026.71
Mo 202.032	198.623	199.466	199.039
Na 330.237	15753.6	15855.9	15766.0
Ni 231.604	201.567	201.333	202.478
Pb 220.353	202.807	195.386	201.259
Sb 206.834	185.124	187.406	187.842
Se 196.026	171.846	189.167	172.624
Sn 189.925	194.325	191.706	198.372
Sr 216.596	212.531	213.251	213.802
Ti 334.941	187.596	187.587	188.096
Tl 190.794	43.2739	40.0551	43.8887
V 292.401	191.768	191.110	190.632
Zn 206.200	194.448	191.244	192.880

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	193.460	ppb	0.7043	0.4	14628.6
Al 308.215	1796.71	ppb	4.3274	0.2	9451.54
As 188.980	210.068	ppb	3.6131	1.7	150.322
B 249.678	339.495	ppb	2.8758	0.8	4088.50
Ba 389.178	205.763	ppb	0.5139	0.2	5074.04
Be 313.042	188.971	ppb	0.1874	0.1	400738
Ca 370.602	19627	ppb	22.88	0.1	69265
Cd 226.502	206.948	ppb	0.2337	0.1	8121.89
Co 228.615	205.942	ppb	1.4249	0.7	2486.11
Cr 267.716	198.058	ppb	0.1384	0.1	9830.18
Cu 324.754	196.035	ppb	0.5139	0.3	9332.84
Fe 271.441	20009.8	ppb	42.6759	0.2	38296.6
K 766.491	18651.0	ppb	39.2018	0.2	994650
Mg 279.078	19079.3	ppb	4.6659	0.0	47717.2
Mn 257.610	2024.30	ppb	2.4880	0.1	509127
Mo 202.032	199.043	ppb	0.4212	0.2	1543.79
Na 330.237	15791.9	ppb	55.8194	0.4	921.526
Ni 231.604	201.793	ppb	0.6050	0.3	612.667
Pb 220.353	199.817	ppb	3.9152	2.0	406.522
Sb 206.834	186.791	ppb	1.4594	0.8	184.803
Se 196.026	177.879	ppb	9.7834	5.5	100.051
Sn 189.925	194.801	ppb	3.3587	1.7	183.769
Sr 216.596	213.195	ppb	0.6372	0.3	2566.39
Ti 334.941	187.760	ppb	0.2913	0.2	51920.0
Tl 190.794	42.4059	ppb	2.0590	4.9	42.2309
V 292.401	191.170	ppb	0.5701	0.3	5633.62
Zn 206.200	192.857	ppb	1.6024	0.8	364.244

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88821-b-1-a (Samp) 4/3/2013, 12:18:18 PM Rack 3, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3066u	0.5683	0.6502
Al 308.215	158.780	162.699	164.059
As 188.980	4.0451	4.0295	-0.6855u
B 249.678	170.305	171.899	173.049
Ba 389.178	69.7914	70.3095	69.9305
Be 313.042	0.0461	0.0696	0.0798
Ca 370.602	29684	29750	29720
Cd 226.502	0.1089	0.1179	-0.0080u
Co 228.615	0.4926	1.0929	0.5079
Cr 267.716	3.2838	3.6302	3.5552
Cu 324.754	17.2725	17.2158	17.1008
Fe 271.441	275.281	273.796	280.850
K 766.491	11590.5	11641.6	11657.8
Mg 279.078	14610.0	14613.9	14613.3
Mn 257.610	10.3004	10.8988	11.1951
Mo 202.032	4.5124	4.6386	4.2870
Na 330.237	402478x	402100x	402020x
Ni 231.604	-0.0083u	0.9502	0.3684
Pb 220.353	-2.0117u	-3.4546u	-0.2902u
Sb 206.834	-2.8293u	0.7258	-3.9042u
Se 196.026	6.8597	-6.2614u	-5.3884u
Sn 189.925	0.4122	0.1122	-3.6220u
Sr 216.596	622.457	624.601	625.369
Ti 334.941	0.9253	0.9550	0.9711
Tl 190.794	-1.9663u	-2.6318u	-1.9869u
V 292.401	15.3689	15.0398	15.8558
Zn 206.200	24.3357	23.1140	24.9669

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5084b	ppb	0.1795	35.3	-74.1105
Al 308.215	161.846b	ppb	2.7410	1.7	930.917
As 188.980	2.4630b	ppb	2.7267	110.7	1.2435
B 249.678	171.751b	ppb	1.3783	0.8	2132.27
Ba 389.178	70.0105b	ppb	0.2682	0.4	1731.47
Be 313.042	0.0652b	ppb	0.0173	26.5	-153.691
Ca 370.602	29718b	ppb	33.21	0.1	107471
Cd 226.502	0.0729b	ppb	0.0702	96.3	9.8309
Co 228.615	0.6978b	ppb	0.3422	49.0	13.2552
Cr 267.716	3.4897b	ppb	0.1822	5.2	180.024
Cu 324.754	17.1964b	ppb	0.0875	0.5	740.566
Fe 271.441	276.643b	ppb	3.7191	1.3	529.422
K 766.491	11630.0b	ppb	35.1139	0.3	620301
Mg 279.078	14612.4b	ppb	2.1182	0.0	36578.2
Mn 257.610	10.7981b	ppb	0.4558	4.2	2971.38
Mo 202.032	4.4794b	ppb	0.1781	4.0	45.7171
Na 330.237	402199xb	ppb	244.634	0.1	23933.4
Ni 231.604	0.4367b	ppb	0.4829	110.6	-0.0724
Pb 220.353	-1.9188b	ppb	1.5842	82.6	0.0472
Sb 206.834	-2.0026b	ppb	2.4232	121.0	2.2500
Se 196.026	-1.5967b	ppb	7.3365	459.5	2.0742
Sn 189.925	-1.0325b	ppb	2.2475	217.7	-1.6396
Sr 216.596	624.142b	ppb	1.5088	0.2	7506.25
Ti 334.941	0.9505b	ppb	0.0233	2.4	207.222
Tl 190.794	-2.1950b	ppb	0.3784	17.2	-1.2975
V 292.401	15.4215b	ppb	0.4105	2.7	450.815
Zn 206.200	24.1389b	ppb	0.9420	3.9	48.0929

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Verif (CCV) 4/3/2013, 12:24:45 PM Rack 3, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	472.309	454.043	476.714
Al 308.215	4590.52	4420.09	4613.25
As 188.980	462.672	449.649	474.197
B 249.678	455.155	445.622	462.834
Ba 389.178	4973.51	4793.03	5003.86
Be 313.042	438.647	422.520	440.401
Ca 370.602	4970	4797	4990
Cd 226.502	495.074	477.562	497.529
Co 228.615	488.883	472.510	489.226
Cr 267.716	4685.11	4493.68	4691.58
Cu 324.754	4515.11	4358.51	4615.89
Fe 271.441	4857.76	4681.12	4892.96
K 766.491	9390.91	9022.79	9469.31
Mg 279.078	4740.58	4567.10	4761.03
Mn 257.610	4759.75	4597.36	4793.88
Mo 202.032	491.332	474.012	494.554
Na 330.237	7092.86	6995.57	7184.67
Ni 231.604	2396.38	2254.15	2405.58
Pb 220.353	506.079	488.537	506.434
Sb 206.834	943.331	906.587	943.646
Se 196.026	4715.93	4527.07	4745.32
Sn 189.925	4963.78	4608.68	4999.52
Sr 216.596	2463.11	2363.02	2468.20
Ti 334.941	472.049	453.441	473.883
Tl 190.794	5198.50	5029.12	5239.26
V 292.401	4712.70	4538.32	4743.41
Zn 206.200	2430.17	2350.38	2435.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	467.689	ppb	12.0211	2.6	35415.4	93.53770
Al 308.215	4541.29	ppb	105.570	2.3	23683.1	90.82574
As 188.980	462.172	ppb	12.2815	2.7	331.772	92.43449
B 249.678	454.537	ppb	8.6224	1.9	5463.58	18.18149Q
Ba 389.178	4923.47	ppb	113.980	2.3	119698	98.46934
Be 313.042	433.856	ppb	9.8563	2.3	920187	86.77125Q
Ca 370.602	4919	ppb	106.3	2.2	17644	98.37657
Cd 226.502	490.055	ppb	10.8888	2.2	19113.7	98.01101
Co 228.615	483.540	ppb	9.5536	2.0	5843.19	96.70796
Cr 267.716	4623.46	ppb	112.436	2.4	229209	92.46916
Cu 324.754	4496.50	ppb	129.696	2.9	215689	89.93008Q
Fe 271.441	4810.62	ppb	113.517	2.4	9328.19	96.21233
K 766.491	9294.34	ppb	238.407	2.6	495768	92.94337
Mg 279.078	4689.57	ppb	106.556	2.3	11667.8	93.79136
Mn 257.610	4717.00	ppb	105.005	2.2	1185715	94.33994
Mo 202.032	486.633	ppb	11.0482	2.3	3752.02	97.32653
Na 330.237	7091.03	ppb	94.5655	1.3	387.207	94.54713
Ni 231.604	2352.03	ppb	84.8989	3.6	7150.61	94.08137
Pb 220.353	500.350	ppb	10.2319	2.0	1011.99	100.07004
Sb 206.834	931.188	ppb	21.3053	2.3	941.083	93.11880
Se 196.026	4662.77	ppb	118.439	2.5	2532.29	93.25545
Sn 189.925	4857.33	ppb	216.078	4.4	4601.96	97.14656
Sr 216.596	2431.44	ppb	59.3082	2.4	29148.2	97.25772
Ti 334.941	466.457	ppb	11.3100	2.4	128927	93.29144
Tl 190.794	5155.63	ppb	111.438	2.2	5501.56	103.11255
V 292.401	4664.81	ppb	110.617	2.4	138454	93.29617
Zn 206.200	2405.37	ppb	47.7959	2.0	4503.13	96.21498

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

Cont Calib Blank (CCB) 4/3/2013, 12:31:12 PM Rack 3, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5940u	0.5781	1.1066
Al 308.215	-0.7941u	0.3970	-2.0556u
As 188.980	-2.5029u	5.2163	5.9120
B 249.678	4.5603	3.7104	3.2497
Ba 389.178	0.6484	0.9358	0.3248
Be 313.042	0.1024	0.1158	0.1132
Ca 370.602	6.559	5.140	5.820
Cd 226.502	0.0889	-0.0021u	0.0741
Co 228.615	0.1214	-0.7736u	0.0381
Cr 267.716	0.8929	0.9844	0.9221
Cu 324.754	1.1368	1.5090	1.3719
Fe 271.441	2.4066	4.0458	-1.2147u
K 766.491	5.1590	6.0935	5.2943
Mg 279.078	5.1388	-1.2772u	3.1316
Mn 257.610	0.8266	1.0523	1.0386
Mo 202.032	0.2118	-0.0733u	0.1776
Na 330.237	173.313	37.9557	-44.6340u
Ni 231.604	1.5518	1.5760	1.1715
Pb 220.353	-3.5543u	1.0859	-1.8856u
Sb 206.834	-3.1309u	-2.8408u	-0.9693u
Se 196.026	-1.1294u	0.1565	-1.7033u
Sn 189.925	1.5274	-1.4950u	1.3063
Sr 216.596	0.8838	0.1356	0.7120
Ti 334.941	0.1844	0.1982	0.1914
Tl 190.794	-0.5572u	1.6747	2.5531
V 292.401	0.8715	1.0760	1.3554
Zn 206.200	0.8446	0.8156	0.9199

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3636	ppb	0.8703	239.4	-54.9567	0.36356
Al 308.215	-0.8176	ppb	1.2265	150.0	84.9348	-0.81757
As 188.980	2.8752	ppb	4.6705	162.4	1.2600	2.87515
B 249.678	3.8401	ppb	0.6649	17.3	151.329	3.84013
Ba 389.178	0.6363	ppb	0.3057	48.0	4.6095	0.63631
Be 313.042	0.1105	ppb	0.0071	6.4	-13.2257	0.11048
Ca 370.602	5.840	ppb	0.7096	12.2	17.23	5.83982
Cd 226.502	0.0537	ppb	0.0488	91.0	10.5797	0.05365
Co 228.615	-0.2047	ppb	0.4944	241.5	2.4984	-0.20472
Cr 267.716	0.9331	ppb	0.0467	5.0	45.8237	0.93314
Cu 324.754	1.3392	ppb	0.1882	14.1	-20.5365	1.33920
Fe 271.441	1.7459	ppb	2.6917	154.2	3.5413	1.74591
K 766.491	5.5156	ppb	0.5050	9.2	500.835	5.51561
Mg 279.078	2.3311	ppb	3.2820	140.8	33.2133	2.33110
Mn 257.610	0.9725	ppb	0.1265	13.0	373.460	0.97252
Mo 202.032	0.1054	ppb	0.1557	147.7	12.0503	0.10538
Na 330.237	55.5448	ppb	110.033	198.1	-4.9575	55.54475
Ni 231.604	1.4331	ppb	0.2269	15.8	2.9507	1.43309
Pb 220.353	-1.4513	ppb	2.3504	162.0	0.9985	-1.45130
Sb 206.834	-2.3137	ppb	1.1733	50.7	1.9799	-2.31366
Se 196.026	-0.8921	ppb	0.9524	106.8	2.4517	-0.89207
Sn 189.925	0.4462	ppb	1.6848	377.6	-0.4167	0.44622
Sr 216.596	0.5771	ppb	0.3919	67.9	13.4872	0.57711
Ti 334.941	0.1913	ppb	0.0069	3.6	-36.7102	0.19132
Tl 190.794	1.2235	ppb	1.6035	131.1	2.3780	1.22353
V 292.401	1.1010	ppb	0.2429	22.1	28.9234	1.10097
Zn 206.200	0.8600	ppb	0.0539	6.3	4.3811	0.86004

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88821-b-2-a (Samp) 4/3/2013, 12:37:39 PM Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1927u	-0.0831u	0.4918
Al 308.215	145.520	148.125	144.953
As 188.980	5.7242	2.9416	3.4544
B 249.678	157.093	159.084	159.389
Ba 389.178	60.4876	60.8605	61.2614
Be 313.042	0.0385	0.0296	0.0415
Ca 370.602	22797	22792	22792
Cd 226.502	0.0908	-0.0753u	0.1700
Co 228.615	1.0656	1.0869	-0.0968u
Cr 267.716	3.4697	3.3968	3.5194
Cu 324.754	8.8805	8.9211	8.7610
Fe 271.441	155.808	161.352	160.731
K 766.491	9757.58	9760.53	9744.49
Mg 279.078	11362.1	11414.9	11381.9
Mn 257.610	6.1104	6.1526	6.1477
Mo 202.032	5.7115	5.6266	6.1926
Na 330.237	456738x	455604x	454389x
Ni 231.604	2.0547	1.1472	1.8771
Pb 220.353	1.2743	-0.8927u	-1.6244u
Sb 206.834	2.5097	-4.0676u	-6.0697u
Se 196.026	5.0331	3.9864	-12.9532u
Sn 189.925	-2.2951u	-4.0819u	0.9171
Sr 216.596	493.514	492.280	494.980
Ti 334.941	0.6129	0.6225	0.6561
Tl 190.794	-2.8063u	0.0611	-1.4837u
V 292.401	18.6455	18.4772	18.1762
Zn 206.200	8.2118	8.7895	9.0750

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0720b	ppb	0.3677	510.6	-101.096
Al 308.215	146.199b	ppb	1.6914	1.2	849.699
As 188.980	4.0401b	ppb	1.4808	36.7	2.3148
B 249.678	158.522b	ppb	1.2470	0.8	1976.31
Ba 389.178	60.8698b	ppb	0.3870	0.6	1500.30
Be 313.042	0.0365b	ppb	0.0062	16.9	-224.153
Ca 370.602	22794b	ppb	2.900	0.0	82434
Cd 226.502	0.0618b	ppb	0.1252	202.5	8.7502
Co 228.615	0.6852b	ppb	0.6774	98.9	13.0439
Cr 267.716	3.4620b	ppb	0.0616	1.8	179.559
Cu 324.754	8.8542b	ppb	0.0832	0.9	340.173
Fe 271.441	159.297b	ppb	3.0371	1.9	305.073
K 766.491	9754.20b	ppb	8.5362	0.1	520287
Mg 279.078	11386.3b	ppb	26.6465	0.2	28508.6
Mn 257.610	6.1369b	ppb	0.0231	0.4	1770.57
Mo 202.032	5.8436b	ppb	0.3052	5.2	56.2311
Na 330.237	455577xb	ppb	1174.78	0.3	27111.0
Ni 231.604	1.6930b	ppb	0.4810	28.4	3.7448
Pb 220.353	-0.4143b	ppb	1.5074	363.9	3.0760
Sb 206.834	-2.5425b	ppb	4.4884	176.5	1.7085
Se 196.026	-1.3112b	ppb	10.0958	770.0	2.2269
Sn 189.925	-1.8199b	ppb	2.5331	139.2	-2.3672
Sr 216.596	493.591b	ppb	1.3517	0.3	5937.37
Ti 334.941	0.6305b	ppb	0.0227	3.6	100.227
Tl 190.794	-1.4096b	ppb	1.4352	101.8	-0.4441
V 292.401	18.4329b	ppb	0.2378	1.3	539.638
Zn 206.200	8.6921b	ppb	0.4398	5.1	19.0811

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

680-88821-b-3-a (Samp) 4/3/2013, 12:44:06 PM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5844	-0.0099u	0.4977
Al 308.215	149.282	151.076	151.820
As 188.980	6.4403	4.9076	5.3937
B 249.678	181.236	183.371	182.450
Ba 389.178	60.8554	61.5402	61.0292
Be 313.042	0.0314	0.0275	0.0481
Ca 370.602	22980	23039	23074
Cd 226.502	0.0261u	-0.1304u	0.0387u
Co 228.615	0.5369	1.0417	0.8566
Cr 267.716	3.4591	3.1744	3.3747
Cu 324.754	8.2765	8.1788	7.9871
Fe 271.441	180.385	181.839	183.794
K 766.491	10319.0	10302.5	10310.8
Mg 279.078	11458.5	11408.3	11402.7
Mn 257.610	6.9171	6.9889	6.9397
Mo 202.032	4.6744	3.7540	4.3614
Na 330.237	462047x	461448x	461413x
Ni 231.604	0.4454	1.6031	1.7288
Pb 220.353	-0.3142u	-0.3335u	-1.3793u
Sb 206.834	-1.8401u	-1.6971u	-2.1665u
Se 196.026	2.8606	-7.0142u	4.4917
Sn 189.925	-3.6201u	-2.6971u	0.1897
Sr 216.596	496.408	498.412	499.432
Ti 334.941	0.6979	0.6715	0.6111
Tl 190.794	0.5786	-6.1548u	-1.2867u
V 292.401	17.8035	18.0796	18.0317
Zn 206.200	12.0189	12.4778	11.9166

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3574b	ppb	0.3210	89.8	-79.5270
Al 308.215	150.726b	ppb	1.3046	0.9	873.063
As 188.980	5.5805b	ppb	0.7833	14.0	3.4260
B 249.678	182.352b	ppb	1.0708	0.6	2257.46
Ba 389.178	61.1416b	ppb	0.3560	0.6	1507.02
Be 313.042	0.0357b	ppb	0.0110	30.7	-226.477
Ca 370.602	23031b	ppb	47.67	0.2	83290
Cd 226.502	-0.0219b	ppb	0.0942	430.9	5.5118
Co 228.615	0.8118b	ppb	0.2554	31.5	14.6204
Cr 267.716	3.3361b	ppb	0.1463	4.4	173.447
Cu 324.754	8.1475b	ppb	0.1472	1.8	306.225
Fe 271.441	182.006b	ppb	1.7108	0.9	348.598
K 766.491	10310.8b	ppb	8.2551	0.1	549962
Mg 279.078	11423.1b	ppb	30.7647	0.3	28600.8
Mn 257.610	6.9485b	ppb	0.0367	0.5	1974.88
Mo 202.032	4.2633b	ppb	0.4680	11.0	44.0518
Na 330.237	461636xb	ppb	356.154	0.1	27471.7
Ni 231.604	1.2591b	ppb	0.7075	56.2	2.4258
Pb 220.353	-0.6757b	ppb	0.6094	90.2	2.5515
Sb 206.834	-1.9013b	ppb	0.2406	12.7	2.3436
Se 196.026	0.1127b	ppb	6.2257	5524.0	2.9993
Sn 189.925	-2.0425b	ppb	1.9874	97.3	-2.5754
Sr 216.596	498.084b	ppb	1.5387	0.3	5991.42
Ti 334.941	0.6602b	ppb	0.0445	6.7	108.090
Tl 190.794	-2.2876b	ppb	3.4765	152.0	-1.3834
V 292.401	17.9716b	ppb	0.1475	0.8	526.170
Zn 206.200	12.1378b	ppb	0.2989	2.5	25.5531

680-88612-a-25-b^5 (Samp) 4/3/2013, 12:50:33 PM Rack 3, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4413	1.1003	-0.2073u
Al 308.215	26456.5	26146.5	25934.5
As 188.980	0.0836u	12.0255	4.5444
B 249.678	-9.9552u	-10.6426u	-9.3348u
Ba 389.178	53.1160	53.3566	52.6986
Be 313.042	0.5598	0.5620	0.5552
Ca 370.602	1618u	1639u	1647u
Cd 226.502	-2.0560	-2.2532	-2.2465
Co 228.615	1.9307	1.6075	1.9289
Cr 267.716	87.8459	86.7885	85.9345
Cu 324.754	28.0472	29.5530	28.7260
Fe 271.441	109423	108242	107193
K 766.491	572.569	567.328	563.336
Mg 279.078	717.517	711.904	712.146
Mn 257.610	183.479	181.446	179.661
Mo 202.032	1.2418	1.1188	0.7883u
Na 330.237	463.029u	315.867u	323.247u
Ni 231.604	2.7731	4.4281	3.2637
Pb 220.353	19.7564	18.2591	17.7291
Sb 206.834	-4.2723u	2.8816	-1.6071
Se 196.026	-1.1935	-13.1844u	2.5762
Sn 189.925	4.7570	2.0843	3.7221
Sr 216.596	6.4987	6.4621	6.5730
Ti 334.941	370.870	366.910	363.870
Tl 190.794	-7.7922u	-8.0964u	-9.0656u
V 292.401	195.693	193.810	191.020
Zn 206.200	17.5379	16.9945	17.9463

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4448	ppb	0.6538	147.0	-47.3932
Al 308.215	26179.2	ppb	262.532	1.0	136188
As 188.980	5.5512	ppb	6.0343	108.7	1.9336
B 249.678	-9.9775	ppb	0.6542	6.6	-137.845
Ba 389.178	53.0571	ppb	0.3330	0.6	1440.74
Be 313.042	0.5590	ppb	0.0035	0.6	931.953
Ca 370.602	1634	ppb	14.81	0.9	-3918
Cd 226.502	-2.1852	ppb	0.1120	5.1	195.530
Co 228.615	1.8223	ppb	0.1861	10.2	33.5042
Cr 267.716	86.8563	ppb	0.9575	1.1	4332.07
Cu 324.754	28.7754	ppb	0.7541	2.6	1324.85
Fe 271.441	108286	ppb	1115.71	1.0	207051
K 766.491	567.744	ppb	4.6302	0.8	30478.1
Mg 279.078	713.856	ppb	3.1733	0.4	1823.36
Mn 257.610	181.529	ppb	1.9104	1.1	46078.4
Mo 202.032	1.0496	ppb	0.2345	22.3	13.2294
Na 330.237	367.381	ppb	82.9158	22.6	-27.0669
Ni 231.604	3.4883	ppb	0.8501	24.4	11.7860
Pb 220.353	18.5815	ppb	1.0514	5.7	40.5929
Sb 206.834	-0.9993	ppb	3.6155	361.8	6.4110
Se 196.026	-3.9339	ppb	8.2299	209.2	1.5403
Sn 189.925	3.5211	ppb	1.3476	38.3	2.4952
Sr 216.596	6.5113	ppb	0.0565	0.9	133.884
Ti 334.941	367.217	ppb	3.5101	1.0	101478
Tl 190.794	-8.3181	ppb	0.6650	8.0	-13.8681
V 292.401	193.508	ppb	2.3511	1.2	5757.12
Zn 206.200	17.4929	ppb	0.4775	2.7	35.2971

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

CRI (Samp) 4/3/2013, 12:57:00 PM Rack 3, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.7823	10.0333	9.4611
Al 308.215	194.710	201.241	201.215
As 188.980	22.1475	24.4526	22.6856
B 249.678	87.4699	86.5628	86.8735
Ba 389.178	10.7047	11.2805	10.7602
Be 313.042	3.9930	4.0054	4.0134
Ca 370.602	525.8	524.7	521.1
Cd 226.502	5.3735	5.6541	5.7618
Co 228.615	11.4466	10.7227	10.8469
Cr 267.716	10.5906	10.6582	10.5921
Cu 324.754	20.1718	21.1806	19.6723
Fe 271.441	79.9193	87.8258	94.5943
K 766.491	1037.92	1035.53	1043.35
Mg 279.078	511.400	509.447	509.481
Mn 257.610	10.9479	10.8770	11.0469
Mo 202.032	9.4668	10.1461	9.6839
Na 330.237	1055.84	1079.32	1221.31
Ni 231.604	43.2225	43.5671	42.9756
Pb 220.353	10.6642	9.6367	8.2957
Sb 206.834	12.1099	21.5025	17.8291
Se 196.026	14.5345	17.0227	15.1506
Sn 189.925	51.5859	50.8220	53.5239
Sr 216.596	10.4787	10.8669	11.1665
Ti 334.941	9.8706	9.8028	9.9240
Tl 190.794	27.3374	23.4264	23.0324
V 292.401	10.1771	10.1391	10.1454
Zn 206.200	21.8404	22.2639	21.8846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7589	ppb	0.2868	2.9	659.087
Al 308.215	199.055	ppb	3.7634	1.9	1125.09
As 188.980	23.0952	ppb	1.2059	5.2	15.8185
B 249.678	86.9687	ppb	0.4610	0.5	1132.09
Ba 389.178	10.9151	ppb	0.3176	2.9	256.046
Be 313.042	4.0039	ppb	0.0103	0.3	8247.19
Ca 370.602	523.8	ppb	2.467	0.5	1886
Cd 226.502	5.5965	ppb	0.2005	3.6	226.740
Co 228.615	11.0054	ppb	0.3871	3.5	137.584
Cr 267.716	10.6136	ppb	0.0386	0.4	525.756
Cu 324.754	20.3415	ppb	0.7684	3.8	891.654
Fe 271.441	87.4465	ppb	7.3449	8.4	169.367
K 766.491	1038.93	ppb	4.0051	0.4	55601.2
Mg 279.078	510.109	ppb	1.1178	0.2	1303.11
Mn 257.610	10.9573	ppb	0.0853	0.8	2887.70
Mo 202.032	9.7656	ppb	0.3469	3.6	86.4778
Na 330.237	1118.82	ppb	89.5285	8.0	58.0370
Ni 231.604	43.2550	ppb	0.2971	0.7	130.122
Pb 220.353	9.5322	ppb	1.1877	12.5	23.1026
Sb 206.834	17.1472	ppb	4.7333	27.6	20.6808
Se 196.026	15.5693	ppb	1.2959	8.3	11.3799
Sn 189.925	51.9773	ppb	1.3928	2.7	48.4147
Sr 216.596	10.8374	ppb	0.3449	3.2	135.635
Ti 334.941	9.8658	ppb	0.0608	0.6	2640.90
Tl 190.794	24.5987	ppb	2.3799	9.7	27.3260
V 292.401	10.1538	ppb	0.0204	0.2	295.822
Zn 206.200	21.9963	ppb	0.2328	1.1	44.0425

CCV (Samp) 4/3/2013, 1:03:27 PM Rack 3, Tube 43
Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	483.305	474.045	475.847
Al 308.215	4643.13	4642.75	4626.73
As 188.980	467.662	467.811	467.989
B 249.678	458.980	460.457	462.857
Ba 389.178	5016.08	5014.25	5004.22
Be 313.042	444.449	444.506	444.171
Ca 370.602	4998	5002	4982
Cd 226.502	500.608	500.270	500.034
Co 228.615	493.563	492.303	489.796
Cr 267.716	4740.12	4738.28	4718.65
Cu 324.754	4614.42	4473.18	4615.12
Fe 271.441	4911.41	4894.93	4890.38
K 766.491	9446.38	9466.28	9440.69
Mg 279.078	4798.92	4798.09	4787.88
Mn 257.610	4814.89	4813.32	4803.55
Mo 202.032	493.913	495.589	494.704
Na 330.237	6990.76	6806.77	6996.30
Ni 231.604	2430.87	2420.10	2416.08
Pb 220.353	509.900	509.275	507.840
Sb 206.834	963.095	960.447	963.025
Se 196.026	4727.21	4771.20	4734.16
Sn 189.925	5044.74	5018.94	5054.47
Sr 216.596	2493.26	2487.84	2482.99
Ti 334.941	475.645	475.610	473.990
Tl 190.794	5249.64	5247.89	5247.14
V 292.401	4758.97	4758.22	4744.59
Zn 206.200	2466.38	2463.41	2461.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	477.732	ppb	4.9097	1.0	36178.3
Al 308.215	4637.54	ppb	9.3590	0.2	24182.9
As 188.980	467.821	ppb	0.1633	0.0	335.836
B 249.678	460.765	ppb	1.9569	0.4	5536.95
Ba 389.178	5011.52	ppb	6.3851	0.1	121839
Be 313.042	444.375	ppb	0.1791	0.0	942506
Ca 370.602	4994	ppb	10.22	0.2	17913
Cd 226.502	500.304	ppb	0.2887	0.1	19513.2
Co 228.615	491.888	ppb	1.9175	0.4	5944.04
Cr 267.716	4732.35	ppb	11.8999	0.3	234607
Cu 324.754	4567.57	ppb	81.7489	1.8	219099
Fe 271.441	4898.91	ppb	11.0659	0.2	9499.46
K 766.491	9451.12	ppb	13.4363	0.1	504128
Mg 279.078	4794.96	ppb	6.1512	0.1	11929.6
Mn 257.610	4810.58	ppb	6.1433	0.1	1209238
Mo 202.032	494.735	ppb	0.8385	0.2	3814.28
Na 330.237	6931.28	ppb	107.863	1.6	377.105
Ni 231.604	2422.35	ppb	7.6474	0.3	7364.42
Pb 220.353	509.005	ppb	1.0561	0.2	1029.44
Sb 206.834	962.189	ppb	1.5090	0.2	971.795
Se 196.026	4744.19	ppb	23.6461	0.5	2576.46
Sn 189.925	5039.38	ppb	18.3609	0.4	4774.48
Sr 216.596	2488.03	ppb	5.1367	0.2	29826.4
Ti 334.941	475.082	ppb	0.9457	0.2	131312
Tl 190.794	5248.22	ppb	1.2809	0.0	5600.33
V 292.401	4753.93	ppb	8.0958	0.2	141099
Zn 206.200	2463.88	ppb	2.3032	0.1	4612.66

E04022013A.wvq. All Data Report 4/4/2013, 9:00:33 AM

CCB (Samp) 4/3/2013, 1:09:55 PM Rack 3, Tube 44
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0164	-0.1337u	-0.0435u
Al 308.215	-2.5541u	-2.9816u	-1.6579u
As 188.980	3.5119	1.4092	2.6298
B 249.678	3.2128	3.4381	2.2951
Ba 389.178	0.6299	0.6417	0.2422
Be 313.042	0.0698	0.0978	0.1079
Ca 370.602	2.055	8.256	5.245
Cd 226.502	-0.0650u	0.1827	0.4673
Co 228.615	-0.0755u	-0.0257u	-0.2950u
Cr 267.716	0.6185	0.9111	1.1159
Cu 324.754	1.2332	1.0857	1.3059
Fe 271.441	7.6257	0.8785	2.7917
K 766.491	3.2485	4.1298	4.5131
Mg 279.078	-0.9944u	-3.1880u	-3.0902u
Mn 257.610	0.4092	0.7488	0.9502
Mo 202.032	0.3996	0.0916	0.0638
Na 330.237	19.6730	197.043	94.2885
Ni 231.604	1.5476	1.8358	1.2155
Pb 220.353	-0.2950u	-2.0282u	-1.0634u
Sb 206.834	-7.8850u	-1.2380u	1.3756
Se 196.026	-2.1620u	-1.0277u	-6.1415u
Sn 189.925	2.1369	-3.2035u	-0.2167u
Sr 216.596	0.9474	0.8376	0.6876
Ti 334.941	0.1204	0.1095	0.1470
Tl 190.794	4.0621	4.0570	1.2028
V 292.401	0.7880	1.1587	1.4643
Zn 206.200	1.5962	0.6810	1.6644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0536	ppb	0.0756	141.0	-86.6721
Al 308.215	-2.3979	ppb	0.6755	28.2	76.7401
As 188.980	2.5169	ppb	1.0559	42.0	1.0020
B 249.678	2.9820	ppb	0.6054	20.3	141.207
Ba 389.178	0.5046	ppb	0.2273	45.0	1.3924
Be 313.042	0.0919	ppb	0.0197	21.5	-52.7610
Ca 370.602	5.185	ppb	3.101	59.8	15.10
Cd 226.502	0.1950	ppb	0.2664	136.6	16.0787
Co 228.615	-0.1321	ppb	0.1433	108.5	3.3655
Cr 267.716	0.8818	ppb	0.2500	28.3	43.2763
Cu 324.754	1.2083	ppb	0.1122	9.3	-26.8166
Fe 271.441	3.7653	ppb	3.4774	92.4	7.4502
K 766.491	3.9638	ppb	0.6484	16.4	418.095
Mg 279.078	-2.4242	ppb	1.2392	51.1	21.3232
Mn 257.610	0.7028	ppb	0.2734	38.9	305.608
Mo 202.032	0.1850	ppb	0.1863	100.7	12.6639
Na 330.237	103.668	ppb	89.0563	85.9	-2.0951
Ni 231.604	1.5330	ppb	0.3104	20.3	3.2544
Pb 220.353	-1.1288	ppb	0.8684	76.9	1.6479
Sb 206.834	-2.5825	ppb	4.7744	184.9	1.7177
Se 196.026	-3.1104	ppb	2.6856	86.3	1.2489
Sn 189.925	-0.4278	ppb	2.6764	625.7	-1.2448
Sr 216.596	0.8242	ppb	0.1304	15.8	16.4504
Ti 334.941	0.1256	ppb	0.0193	15.4	-54.8970
Tl 190.794	3.1073	ppb	1.6493	53.1	4.3903
V 292.401	1.1370	ppb	0.3387	29.8	29.9649
Zn 206.200	1.3139	ppb	0.5491	41.8	5.2340

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Blank (Blk)		4/2/2013, 1:18:10 PM		Rack S, Tube 1	
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	1.561	4.2	-37.3521
Al 308.215	0.0000	ppb	4.239	2.9	144.017
As 188.980	0.0000	ppb	0.774	27.3	-2.8339
B 249.678	0.0000	ppb	1.942	3.9	50.1793
Ba 389.178	0.0000	ppb	11.340	88.1	-12.8758
Be 313.042	0.0000	ppb	8.056	3.6	221.364
Ca 370.602	0.0000	ppb	12.176	12.1	100.9
Cd 226.502	0.0000	ppb	2.313	7.4	31.1089
Co 228.615	0.0000	ppb	3.615	141.7	-2.5501
Cr 267.716	0.0000	ppb	0.816	2.5	33.1065
Cu 324.754	0.0000	ppb	4.441	2.6	167.928
Fe 271.441	0.0000	ppb	4.115	16.1	25.6116
K 766.491	0.0000	ppb	4.579	0.1	6881.31
Mg 279.078	0.0000	ppb	2.902	4.2	68.3740
Mn 257.610	0.0000	ppb	7.088	2.5	282.588
Mo 202.032	0.0000	ppb	0.126	2.5	5.0331
Na 330.237	0.0000	ppb	3.398	159.8	2.1266
Ni 231.604	0.0000	ppb	0.943	22.6	4.1761
Pb 220.353	0.0000	ppb	1.894	67.0	2.8283
Sb 206.834	0.0000	ppb	2.268	106.1	2.1380
Se 196.026	0.0000	ppb	2.170	67.7	3.2069
Sn 189.925	0.0000	ppb	2.492	168.6	1.4784
Sr 216.596	0.0000	ppb	3.721	102.7	3.6226
Ti 334.941	0.0000	ppb	9.971	11.8	84.7464
Tl 190.794	0.0000	ppb	3.543	220.6	-1.6057
V 292.401	0.0000	ppb	0.832	3.2	26.1399
Zn 206.200	0.0000	ppb	2.274	14.6	15.5956

HIGH STD (Std)		4/2/2013, 1:23:38 PM		Rack S, Tube 2	
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	128.799	0.4	31033.8
Al 308.215	10000.0	ppb	79.233	0.3	27984.8
As 188.980	1000.00	ppb	4.698	1.3	372.940
B 249.678	1000.00	ppb	25.452	0.3	8701.81
Ba 389.178	10000.0	ppb	465.413	0.3	164943
Be 313.042	1000.00	ppb	3072.894	0.2	1507414
Ca 370.602	10000	ppb	127.293	0.3	37883
Cd 226.502	1000.00	ppb	66.805	0.3	22385.6
Co 228.615	1000.00	ppb	22.325	0.3	7938.63
Cr 267.716	10000.0	ppb	397.621	0.2	160106
Cu 324.754	10000.0	ppb	288.126	0.1	361600
Fe 271.441	10000.0	ppb	32.287	0.4	7465.81
K 766.491	20000.0	ppb	8446.562	0.3	2567906
Mg 279.078	10000.0	ppb	32.009	0.3	11559.5
Mn 257.610	10000.0	ppb	2648.200	0.3	946914
Mo 202.032	1000.00	ppb	10.451	0.3	3472.29
Na 330.237	15000.0	ppb	3.271	0.3	979.511
Ni 231.604	5000.00	ppb	40.506	0.3	14542.9
Pb 220.353	1000.00	ppb	1.708	0.2	838.238
Sb 206.834	2000.00	ppb	4.463	0.3	1302.67
Se 196.026	10000.0	ppb	13.781	0.5	2814.71
Sn 189.925	10000.0	ppb	13.584	0.2	6238.21

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	5000.00	ppb	60.841	0.2	30365.3
Ti 334.941	1000.00	ppb	574.541	0.3	209023
Tl 190.794	10000.0	ppb	11.322	0.2	4678.08
V 292.401	10000.0	ppb	707.900	0.3	281506
Zn 206.200	5000.00	ppb	40.760	0.3	15409.0

Ag 328.068 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-37.3521	0.0000	0.0000	-	-
HIGH STD		31033.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 31.1 x + -37.4$

Al 308.215 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		144.017	0.0000	0.0000	-	-
HIGH STD		27984.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.8 x + 144.0$

As 188.980 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.8339	0.0000	0.0000	-	-
HIGH STD		372.940	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 0.4 x + -2.8$

B 249.678 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		50.1793	0.0000	0.0000	-	-
HIGH STD		8701.81	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 8.7 x + 50.2$

Ba 389.178 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.8758	0.0000	0.0000	-	-
HIGH STD		164943	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 16.5 x + -12.9$

Be 313.042 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		221.364	0.0000	0.0000	-	-
HIGH STD		1507414	1000.00	1000.00	0.0000	0.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Curve Type: Linear Equation: $y = 1507.2 x + 221.4$ **Ca 370.602 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		100.9	0.0000	0.0000	-	-
HIGH STD		37883	10000	10000	0.0000	0.0

Curve Type: Linear Equation: $y = 3.8 x + 100.9$ **Cd 226.502 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.1089	0.0000	0.0000	-	-
HIGH STD		22385.6	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 22.4 x + 31.1$ **Co 228.615 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.5501	0.0000	0.0000	-	-
HIGH STD		7938.63	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 7.9 x + -2.6$ **Cr 267.716 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		33.1065	0.0000	0.0000	-	-
HIGH STD		160106	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 16.0 x + 33.1$ **Cu 324.754 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		167.928	0.0000	0.0000	-	-
HIGH STD		361600	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 36.1 x + 167.9$ **Fe 271.441 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.6116	0.0000	0.0000	-	-
HIGH STD		7465.81	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.7 x + 25.6$

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

K 766.491 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6881.31	0.0000	0.0000	-	-
HIGH STD		2567906	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 128.1 x + 6881.3$ **Mg 279.078 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		68.3740	0.0000	0.0000	-	-
HIGH STD		11559.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.1 x + 68.4$ **Mn 257.610 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		282.588	0.0000	0.0000	-	-
HIGH STD		946914	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 94.7 x + 282.6$ **Mo 202.032 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.0331	0.0000	0.0000	-	-
HIGH STD		3472.29	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 3.5 x + 5.0$ **Na 330.237 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.1266	0.0000	0.0000	-	-
HIGH STD		979.511	15000.0	15000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 0.1 x + 2.1$ **Ni 231.604 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.1761	0.0000	0.0000	-	-
HIGH STD		14542.9	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: $y = 2.9 x + 4.2$ **Pb 220.353 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.8283	0.0000	0.0000	-	-
HIGH STD		838.238	1000.00	1000.000	-0.0001	0.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Curve Type: Linear Equation: $y = 0.8 x + 2.8$ **Sb 206.834 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.1380	0.0000	0.0000	-	-
HIGH STD		1302.67	2000.00	2000.00	-0.0004	0.0

Curve Type: Linear Equation: $y = 0.7 x + 2.1$ **Se 196.026 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.2069	0.0000	0.0000	-	-
HIGH STD		2814.71	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.3 x + 3.2$ **Sn 189.925 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4784	0.0000	0.0000	-	-
HIGH STD		6238.21	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 0.6 x + 1.5$ **Sr 216.596 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.6226	0.0000	0.0000	-	-
HIGH STD		30365.3	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 6.1 x + 3.6$ **Ti 334.941 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		84.7464	0.0000	0.0000	-	-
HIGH STD		209023	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 208.9 x + 84.7$ **Tl 190.794 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.6057	0.0000	0.0000	-	-
HIGH STD		4678.08	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 0.5 x + -1.6$

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

V 292.401 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		26.1399	0.0000	0.0000	-	-
HIGH STD		281506	10000.0	10000.0	0.0010	0.0

Curve Type: Linear

Equation: $y = 28.1 x + 26.1$ **Zn 206.200 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.5956	0.0000	0.0000	-	-
HIGH STD		15409.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 3.1 x + 15.6$ **Lab Control Sample (LCS) 4/2/2013, 1:29:04 PM Rack S, Tube 2****Weight: 1****Volume: 1****Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1006.32	ppb	1.7511	0.2	31228.0	100.63197
Al 308.215	10115.7	ppb	15.9713	0.2	28821.1	101.15729
As 188.980	1004.75	ppb	8.7171	0.9	376.292	100.47489
B 249.678	1009.62	ppb	1.3023	0.1	8773.39	20.19231F
Ba 389.178	10071.6	ppb	13.8909	0.1	166210	100.71593
Be 313.042	1008.27	ppb	1.3819	0.1	1525716	100.82743
Ca 370.602	10273	ppb	11.21	0.1	37598	102.72569
Cd 226.502	1004.42	ppb	2.4015	0.2	22506.4	100.44158
Co 228.615	1008.28	ppb	0.5722	0.1	8009.74	100.82761
Cr 267.716	10058.3	ppb	23.8518	0.2	160975	100.58315
Cu 324.754	10004.5	ppb	82.7527	0.8	361597	100.04497
Fe 271.441	10071.4	ppb	22.5168	0.2	7642.45	100.71442
K 766.491	20138.5	ppb	5.6460	0.0	2582935	100.69265
Mg 279.078	10122.1	ppb	15.6673	0.2	11646.5	101.22117
Mn 257.610	10089.7	ppb	19.3127	0.2	955453	100.89702
Mo 202.032	1008.51	ppb	2.7630	0.3	3481.74	100.85136
Na 330.237	15299.3	ppb	119.966	0.8	995.247	101.99545
Ni 231.604	5034.53	ppb	10.3793	0.2	14649.2	100.69065
Pb 220.353	1015.00	ppb	2.7446	0.3	839.402	101.49957
Sb 206.834	1928.60	ppb	3.5349	0.2	1321.88	192.86008F
Se 196.026	10048.0	ppb	20.8646	0.2	2830.09	100.48027
Sn 189.925	10096.5	ppb	32.2855	0.3	6298.63	100.96515
Sr 216.596	5050.01	ppb	14.8484	0.3	30461.6	101.00020
Ti 334.941	1006.51	ppb	1.3108	0.1	211006	100.65127
Tl 190.794	10075.7	ppb	10.7869	0.1	4725.09	100.75687
V 292.401	10105.1	ppb	7.5538	0.1	283618	101.05061
Zn 206.200	5045.14	ppb	11.7968	0.2	15510.0	100.90276

Initial Calib Verif (ICV) 4/2/2013, 1:34:30 PM Rack S, Tube 3**Weight: 1****Volume: 1****Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	975.699b	ppb	12.5613	1.3	30277.9	97.56990
Al 308.215	947.053b	ppb	4.2439	0.4	2851.36	94.70529

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1019.45b	ppb	10.6405	1.0	380.468	101.94533
B 249.678	971.380b	ppb	5.4080	0.6	8463.57	97.13798
Ba 389.178	1037.51b	ppb	6.1386	0.6	17114.5	103.75120
Be 313.042	1044.51xb	ppb	6.5169	0.6	1574990	104.45103
Ca 370.602	963.1b	ppb	8.174	0.8	3714	96.31479
Cd 226.502	1043.01xb	ppb	7.0601	0.7	23349.2	104.30051
Co 228.615	1004.52b	ppb	10.5633	1.1	7970.17	100.45211
Cr 267.716	1030.67b	ppb	5.0456	0.5	16524.4	103.06724
Cu 324.754	1027.27b	ppb	13.1696	1.3	37289.1	102.72707
Fe 271.441	957.228b	ppb	5.2737	0.6	791.928	95.72276
K 766.491	9969.84b	ppb	62.7576	0.6	1283252	99.69836
Mg 279.078	975.496b	ppb	12.7262	1.3	1183.87	97.54955
Mn 257.610	1068.75b	ppb	6.8262	0.6	101468	106.87492Q
Mo 202.032	1007.00xb	ppb	6.8246	0.7	3494.57	100.69973
Na 330.237	9510.73b	ppb	165.826	1.7	616.023	95.10727
Ni 231.604	1041.77b	ppb	8.0555	0.8	3033.13	104.17654
Pb 220.353	1021.45b	ppb	9.1727	0.9	853.588	102.14462
Sb 206.834	976.962b	ppb	3.4788	0.4	639.070	97.69618
Se 196.026	985.907b	ppb	10.4764	1.1	280.593	98.59070
Sn 189.925	4950.49b	ppb	29.8344	0.6	3089.21	99.00976
Sr 216.596	4996.48b	ppb	30.0159	0.6	30287.3	99.92969
Ti 334.941	984.336b	ppb	7.3839	0.8	205813	98.43355
Tl 190.794	1004.99b	ppb	9.4206	0.9	470.971	100.49927
V 292.401	1002.00b	ppb	7.0526	0.7	27940.5	100.20030
Zn 206.200	1034.74b	ppb	6.6168	0.6	3197.35	103.47438

Initial Calib Blank (ICB)

4/2/2013, 1:39:56 PM

Rack S, Tube 1

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.6714	ppb	0.8744	130.2	-16.4891	0.67143
Al 308.215	2.7760	ppb	3.2219	116.1	151.774	2.77602
As 188.980	3.0614	ppb	1.8622	60.8	-1.6831	3.06141
B 249.678	1.9814	ppb	0.6708	33.9	67.3298	1.98145
Ba 389.178	0.5537	ppb	0.7258	131.1	-3.7507	0.55366
Be 313.042	0.0899	ppb	0.0601	66.8	356.995	0.08987
Ca 370.602	-7.228	ppb	2.500	34.6	74.90	-7.22757
Cd 226.502	0.1343	ppb	0.1062	79.1	34.0957	0.13428
Co 228.615	-0.1024	ppb	0.6465	631.5	-3.3670	-0.10237
Cr 267.716	0.2624	ppb	0.3211	122.4	37.3092	0.26244
Cu 324.754	0.5642	ppb	0.0934	16.6	188.329	0.56423
Fe 271.441	-4.7552	ppb	7.1024	149.4	22.0663	-4.75519
K 766.491	0.3307	ppb	0.7495	226.7	6923.45	0.33069
Mg 279.078	1.0670	ppb	4.2033	393.9	69.6246	1.06700
Mn 257.610	0.2631	ppb	0.2437	92.6	307.480	0.26307
Mo 202.032	0.4927	ppb	0.5395	109.5	6.7416	0.49271
Na 330.237	-1.1263	ppb	26.2186	2327.8	2.0545	-1.12634
Ni 231.604	-0.4613	ppb	0.5976	129.5	2.8336	-0.46132
Pb 220.353	1.2307	ppb	3.6955	300.3	3.8558	1.23070
Sb 206.834	0.9551	ppb	1.9235	201.4	2.7603	0.95514
Se 196.026	2.4678	ppb	10.1720	412.2	3.9009	2.46777
Sn 189.925	-1.8758	ppb	1.1471	61.2	0.3086	-1.87577
Sr 216.596	0.2065	ppb	0.4125	199.7	4.8834	0.20654
Ti 334.941	0.2023	ppb	0.0879	43.5	127.039	0.20232

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.4482	ppb	2.7894	622.4	-1.8154	-0.44818
V 292.401	0.3416	ppb	0.2750	80.5	35.6238	0.34158
Zn 206.200	-0.3326	ppb	0.6941	208.7	14.5698	-0.33256

CRI (CRI)**4/2/2013, 1:52:24 PM****Rack S, Tube 4****Weight: 1****Volume: 1****Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	11.0615	ppb	0.2074	1.9	306.315	110.61531
Al 308.215	207.700	ppb	1.0119	0.5	722.942	103.85001
As 188.980	21.1718	ppb	1.8928	8.9	5.1107	105.85887
B 249.678	99.0438	ppb	0.4497	0.5	907.128	99.04385
Ba 389.178	10.1312	ppb	1.1085	10.9	155.337	101.31198
Be 313.042	4.1508	ppb	0.0157	0.4	6482.17	103.77042
Ca 370.602	518.1	ppb	1.926	0.4	2056	103.61853
Cd 226.502	4.6741	ppb	0.1825	3.9	135.655	93.48253
Co 228.615	9.3811	ppb	0.1952	2.1	71.9167	93.81089
Cr 267.716	9.3864	ppb	0.0866	0.9	183.299	93.86446
Cu 324.754	19.8156	ppb	0.6859	3.5	882.904	99.07819
Fe 271.441	22.4689	ppb	0.7860	3.5	42.8299	44.93777R
K 766.491	1043.12	ppb	1.5392	0.1	140451	104.31168
Mg 279.078	522.348	ppb	3.5160	0.7	668.523	104.46952
Mn 257.610	8.3267	ppb	0.0551	0.7	1072.25	83.26730
Mo 202.032	9.7570	ppb	0.3231	3.3	38.8453	97.57030
Na 330.237	827.147	ppb	62.0279	7.5	55.9748	82.71473
Ni 231.604	41.5009	ppb	0.7614	1.8	124.876	103.75223
Pb 220.353	8.0487	ppb	5.3026	65.9	9.5075	80.48730
Sb 206.834	18.3800	ppb	2.2986	12.5	14.0674	91.89995
Se 196.026	23.0720	ppb	10.1899	44.2	9.7004	115.36014
Sn 189.925	47.1144	ppb	3.9896	8.5	30.8631	94.22887
Sr 216.596	8.7233	ppb	0.3482	4.0	54.9096	87.23283
Ti 334.941	9.5025	ppb	0.1063	1.1	2071.25	95.02545
Tl 190.794	24.4731	ppb	1.4568	6.0	9.8608	97.89249
V 292.401	9.5889	ppb	0.0118	0.1	293.358	95.88867
Zn 206.200	18.3390	ppb	0.3634	2.0	72.0391	91.69493

Interf Check A (ICSA)**4/2/2013, 1:57:52 PM****Rack S, Tube 5****Weight: 1****Volume: 1****Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4745	ppb	0.5520	116.3	-60.9869	0.47452
Al 308.215	558455	ppb	5761.48	1.0	1554908	-
As 188.980	-29.4933	ppb	23.2709	78.9	-21.3797	-29.49330
B 249.678	11.4133	ppb	0.9474	8.3	-299.680	11.41325
Ba 389.178	-2.2305	ppb	1.1929	53.5	1183.95	-2.23051
Be 313.042	-0.2522	ppb	0.0203	8.0	2.0267	-0.25224
Ca 370.602	511641	ppb	6195	1.2	1897795	-
Cd 226.502	1.4755	ppb	0.2847	19.3	511.511	1.47554
Co 228.615	0.1370	ppb	1.5592	1138.3	1.7999	0.13698
Cr 267.716	-1.8045	ppb	0.7080	39.2	-98.6168	-1.80448
Cu 324.754	4.2370	ppb	0.3478	8.2	-942.189	4.23704
Fe 271.441	195203	ppb	2211.01	1.1	145260	-
K 766.491	-33.7679	ppb	0.4059	1.2	2530.57	-33.76790

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	543808	ppb	5489.09	1.0	624281	-
Mn 257.610	-1.0282	ppb	0.2895	28.2	1749.95	-1.02819
Mo 202.032	-2.8588	ppb	1.4467	50.6	-22.8553	-2.85880
Na 330.237	134.547	ppb	91.3666	67.9	-80.4256	134.54704
Ni 231.604	3.6406	ppb	1.5372	42.2	47.3149	3.64056
Pb 220.353	-7.6953	ppb	3.8912	50.6	-64.7786	-7.69531
Sb 206.834	-2.5658	ppb	11.7113	456.4	10.1544	-2.56579
Se 196.026	-12.3746	ppb	6.9663	56.3	2.5690	-12.37464
Sn 189.925	-0.5225	ppb	6.8272	1306.7	-0.7557	-0.52247
Sr 216.596	-3.8240	ppb	1.2646	33.1	103.430	-3.82399
Ti 334.941	5.6977	ppb	0.1516	2.7	1863.40	5.69772
Tl 190.794	-9.8487	ppb	1.2028	12.2	-25.1862	-9.84871
V 292.401	0.0066	ppb	0.2776	4206.7	68.7288	0.00660
Zn 206.200	6.1165	ppb	0.7302	11.9	57.6773	6.11650

Interf Check AB (ICSAB)

4/2/2013, 2:03:20 PM

Rack S, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	222.268	ppb	14.8387	6.7	6832.57	111.13386
Al 308.215	568502	ppb	39443.0	6.9	1582929	113.70045
As 188.980	83.4046	ppb	16.0468	19.2	21.0768	83.40462
B 249.678	11.3543	ppb	2.7309	24.1	-306.107	-
Ba 389.178	529.976	ppb	41.2839	7.8	9994.41	105.99514
Be 313.042	521.276	ppb	36.1168	6.9	786240	104.25510
Ca 370.602	518620	ppb	33122	6.4	1923665	103.72397
Cd 226.502	1018.41	ppb	74.9724	7.4	23251.4	101.84149
Co 228.615	506.995	ppb	34.9885	6.9	4007.70	101.39898
Cr 267.716	524.702	ppb	34.8275	6.6	8323.52	104.94043
Cu 324.754	573.134	ppb	32.2003	5.6	19610.8	114.62671
Fe 271.441	198006	ppb	13723.1	6.9	147374	99.00291
K 766.491	-33.6350	ppb	0.8115	2.4	2403.63	-
Mg 279.078	556104	ppb	37173.3	6.7	638400	111.22076
Mn 257.610	532.260	ppb	38.2538	7.2	52262.6	106.45201
Mo 202.032	1100.45	ppb	75.7516	6.9	3801.40	110.04478
Na 330.237	273.382	ppb	272.539	99.7	-71.0868	-
Ni 231.604	998.173	ppb	69.6189	7.0	2939.25	99.81731
Pb 220.353	40.0336	ppb	6.4859	16.2	-27.9838	80.06712
Sb 206.834	615.249	ppb	56.4751	9.2	415.149	102.54144
Se 196.026	59.8767	ppb	25.1568	42.0	23.0453	119.75347
Sn 189.925	1040.69	ppb	74.8220	7.2	648.592	104.06882
Sr 216.596	-4.3444	ppb	0.1936	4.5	45.2798	-
Ti 334.941	-0.6619	ppb	0.2294	34.7	574.475	-
Tl 190.794	81.2340	ppb	3.8810	4.8	17.3859	81.23396
V 292.401	508.701	ppb	34.8148	6.8	14097.5	101.74013
Zn 206.200	987.946	ppb	65.2908	6.6	3078.84	98.79462

LRA1 (Samp)

4/2/2013, 2:08:48 PM

Rack S, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5113b	ppb	0.0946	18.5	-31.7519
Al 308.215	94.9068b	ppb	4.8072	5.1	408.609

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	18985.8xb	ppb	112.735	0.6	7129.59
B 249.678	4922.08b	ppb	39.0070	0.8	42846.7
Ba 389.178	-2.3655b	ppb	0.4323	18.3	-51.1618
Be 313.042	0.1768b	ppb	0.0089	5.0	471.330
Ca 370.602	96.07b	ppb	2.801	2.9	4552
Cd 226.502	-1.3658b	ppb	0.1077	7.9	2.2257
Co 228.615	10458.4b	ppb	69.0422	0.7	83477.6
Cr 267.716	-1.4900b	ppb	0.2914	19.6	68.2533
Cu 324.754	61.4106b	ppb	0.4125	0.7	2253.26
Fe 271.441	173.701b	ppb	8.7933	5.1	630.697
K 766.491	35.0259b	ppb	0.5213	1.5	11367.2
Mg 279.078	62.8740b	ppb	10.2773	16.3	87.1105
Mn 257.610	29322.6xb	ppb	217.844	0.7	2776379
Mo 202.032	-1.0897b	ppb	0.8424	77.3	1.1273
Na 330.237	99012.5xb	ppb	583.148	0.6	6232.63
Ni 231.604	10257.2b	ppb	74.8904	0.7	29822.5
Pb 220.353	19766.4xb	ppb	111.516	0.6	16514.6
Sb 206.834	77.9835b	ppb	5.5631	7.1	3.9744
Se 196.026	-6.2233b	ppb	8.8725	142.6	7.1305
Sn 189.925	-10.9751b	ppb	4.3607	39.7	2.3789
Sr 216.596	-6.0611b	ppb	1.4803	24.4	-412.558
Ti 334.941	30990.8b	ppb	211.640	0.7	6475230
Tl 190.794	14.4035b	ppb	4.5237	31.4	42.6904
V 292.401	1.3269b	ppb	0.2893	21.8	287.446
Zn 206.200	44.7671b	ppb	0.2529	0.6	153.410

LRA2 (Samp)

4/2/2013, 2:14:17 PM

Rack S, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4881b	ppb	0.4778	97.9	-190.434
Al 308.215	874814xb	ppb	17722.6	2.0	2435602
As 188.980	-121.105b	ppb	2.5644	2.1	-60.3227
B 249.678	44.3166b	ppb	3.5178	7.9	-1627.43
Ba 389.178	2.7949b	ppb	3.3963	121.5	2584.60
Be 313.042	-0.1406b	ppb	0.0102	7.3	240.044
Ca 370.602	772962b	ppb	16863	2.2	2757871
Cd 226.502	7.9784b	ppb	2.5537	32.0	2145.35
Co 228.615	3.0874b	ppb	0.8815	28.6	36.8246
Cr 267.716	6.8736b	ppb	0.5666	8.2	-334.951
Cu 324.754	4.1839b	ppb	1.5220	36.4	-1317.34
Fe 271.441	896645b	ppb	20174.7	2.3	667147
K 766.491	3224840xb	ppb	7863.92	2.4	41301356
Mg 279.078	821915b	ppb	16174.2	2.0	941396
Mn 257.610	19.4672b	ppb	1.0410	5.3	5154.11
Mo 202.032	-5.5744b	ppb	1.9288	34.6	-119.166
Na 330.237	3892.77b	ppb	103.534	2.7	-119.692
Ni 231.604	3.5555b	ppb	0.7837	22.0	99.7413
Pb 220.353	9.1046b	ppb	16.0191	175.9	-88.3707
Sb 206.834	-10.7164b	ppb	17.0871	159.4	25.2440
Se 196.026	42.8286b	ppb	34.8621	81.4	7.0351
Sn 189.925	1.8011b	ppb	7.3174	406.3	-0.1681
Sr 216.596	-6.1201b	ppb	4.8018	78.5	435.661
Ti 334.941	19.8144b	ppb	0.8562	4.3	5133.69

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-37.8239b	ppb	7.3124	19.3	-73.4505
V 292.401	0.5550b	ppb	0.6920	124.7	227.112
Zn 206.200	27079.9b	ppb	571.811	2.1	83435.3

rinse (Samp) 4/2/2013, 2:19:45 PM Rack S, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1702	ppb	0.5041	296.2	-32.0773
Al 308.215	43.0815	ppb	6.7480	15.7	263.961
As 188.980	10.4337	ppb	3.0470	29.2	1.0862
B 249.678	2.1246	ppb	0.0987	4.6	68.4512
Ba 389.178	0.5780	ppb	0.3519	60.9	-3.2076
Be 313.042	0.0094	ppb	0.0050	53.5	235.702
Ca 370.602	40.43	ppb	5.724	14.2	244.8
Cd 226.502	0.1795	ppb	0.1618	90.2	35.2280
Co 228.615	0.2831	ppb	0.2630	92.9	-0.2839
Cr 267.716	0.1688	ppb	0.5033	298.1	35.7813
Cu 324.754	0.1145	ppb	0.1948	170.1	171.968
Fe 271.441	51.7847	ppb	13.1078	25.3	64.1443
K 766.491	23.4327	ppb	4.0031	17.1	9881.67
Mg 279.078	44.3138	ppb	5.2634	11.9	119.122
Mn 257.610	0.3450	ppb	0.1122	32.5	315.418
Mo 202.032	-0.4415	ppb	0.7861	178.1	3.4959
Na 330.237	36.7031	ppb	32.6467	88.9	4.4910
Ni 231.604	0.0944	ppb	0.3843	407.3	4.4558
Pb 220.353	-2.2041	ppb	2.8151	127.7	0.9831
Sb 206.834	2.8377	ppb	2.1391	75.4	3.9880
Se 196.026	2.4006	ppb	1.3124	54.7	3.8814
Sn 189.925	-2.2304	ppb	3.2103	143.9	0.0874
Sr 216.596	-0.2621	ppb	0.2840	108.4	2.0590
Ti 334.941	0.7862	ppb	0.0558	7.1	249.086
Tl 190.794	2.1119	ppb	2.3444	111.0	-0.6190
V 292.401	0.2965	ppb	0.1146	38.6	34.5633
Zn 206.200	0.8641	ppb	0.2763	32.0	18.2572

Cont Calib Verif (CCV) 4/2/2013, 2:25:10 PM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.142	ppb	2.9689	0.6	15471.1	99.82846
Al 308.215	5087.55	ppb	39.0483	0.8	14561.1	101.75108
As 188.980	502.526	ppb	11.9018	2.4	186.773	100.50523
B 249.678	521.307	ppb	5.1021	1.0	4554.22	20.85226Q
Ba 389.178	4893.25	ppb	55.3247	1.1	80746.7	97.86499
Be 313.042	489.779	ppb	6.1335	1.3	741280	97.95579
Ca 370.602	5142	ppb	55.35	1.1	18861	102.83398
Cd 226.502	487.322	ppb	4.9664	1.0	10936.1	97.46449
Co 228.615	492.158	ppb	7.6827	1.6	3908.44	98.43166
Cr 267.716	4939.39	ppb	59.3529	1.2	79067.6	98.78780
Cu 324.754	4861.70	ppb	56.4902	1.2	175803	97.23396
Fe 271.441	5084.68	ppb	52.6172	1.0	3869.29	101.69361
K 766.491	10004.8	ppb	96.5004	1.0	1286691	100.04792

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	5041.50	ppb	53.6241	1.1	5834.76	100.82991
Mn 257.610	5077.36	ppb	57.8043	1.1	480945	101.54712
Mo 202.032	498.252	ppb	4.7424	1.0	1722.72	99.65046
Na 330.237	7486.27	ppb	124.528	1.7	487.924	99.81693
Ni 231.604	2465.41	ppb	28.5977	1.2	7175.91	98.61659
Pb 220.353	500.516	ppb	2.8481	0.6	415.366	100.10321
Sb 206.834	947.163	ppb	12.0048	1.3	650.126	37.88653Q
Se 196.026	4934.93	ppb	51.2427	1.0	1391.61	98.69867
Sn 189.925	4997.63	ppb	56.3591	1.1	3118.47	99.95251
Sr 216.596	2456.21	ppb	24.2210	1.0	14817.1	98.24860
Ti 334.941	502.330	ppb	5.3822	1.1	105346	100.46595
Tl 190.794	5002.91	ppb	62.3144	1.2	2345.29	100.05826
V 292.401	4970.12	ppb	47.2712	1.0	139509	99.40249
Zn 206.200	2460.44	ppb	29.8202	1.2	7571.88	98.41744

Cont Calib Blank (CCB)

4/2/2013, 2:30:35 PM

Rack 1, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.9525	ppb	0.4124	43.3	-7.7555	0.95249
Al 308.215	-18.6353	ppb	1.3831	7.4	92.2647	-18.63527
As 188.980	-2.8105	ppb	7.2086	256.5	-3.8892	-2.81051
B 249.678	0.5816	ppb	0.2804	48.2	55.2717	0.58164
Ba 389.178	2.3945	ppb	0.7813	32.6	26.5557	2.39453
Be 313.042	0.1417	ppb	0.0119	8.4	436.539	0.14166
Ca 370.602	-29.91	ppb	1.839	6.1	-6.136	-29.91234
Cd 226.502	-0.4068	ppb	0.2103	51.7	21.9461	-0.40675
Co 228.615	-0.8549	ppb	0.5098	59.6	-9.3283	-0.85489
Cr 267.716	2.1673	ppb	0.0829	3.8	67.7989	2.16728
Cu 324.754	1.8308	ppb	0.0734	4.0	234.119	1.83084
Fe 271.441	-31.1495	ppb	5.4513	17.5	2.4164	-31.14946Z
K 766.491	-23.7037	ppb	1.1417	4.8	3845.32	-23.70368
Mg 279.078	-21.4061	ppb	3.6336	17.0	43.8886	-21.40613
Mn 257.610	1.1949	ppb	0.2036	17.0	395.609	1.19488
Mo 202.032	-0.1630	ppb	0.8504	521.9	4.4668	-0.16296
Na 330.237	-21.6378	ppb	44.0759	203.7	0.7300	-21.63777
Ni 231.604	1.0228	ppb	1.6499	161.3	7.1521	1.02279
Pb 220.353	-1.9740	ppb	3.0709	155.6	1.1808	-1.97400
Sb 206.834	2.6585	ppb	1.2304	46.3	3.8825	2.65852
Se 196.026	6.3511	ppb	0.5075	8.0	4.9932	6.35105
Sn 189.925	0.5636	ppb	1.4737	261.5	1.8301	0.56363
Sr 216.596	-0.0708	ppb	0.7489	1057.5	3.1442	-0.07082
Ti 334.941	0.0901	ppb	0.1225	135.9	103.680	0.09014
Tl 190.794	7.9088	ppb	0.7648	9.7	2.0992	7.90877
V 292.401	2.7678	ppb	0.2982	10.8	104.009	2.76777
Zn 206.200	-0.9218	ppb	0.6840	74.2	12.7479	-0.92181

Cont Calib Verif (CCV)

4/2/2013, 3:11:18 PM

Rack 1, Tube 13

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.247	ppb	2.9222	0.6	15412.1	99.44936
Al 308.215	4990.80	ppb	27.2846	0.5	14291.7	99.81606

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	496.025	ppb	3.4276	0.7	184.332	99.20507
B 249.678	518.508	ppb	2.2903	0.4	4530.20	20.74032Q
Ba 389.178	4887.00	ppb	15.5305	0.3	80643.3	97.73995
Be 313.042	488.793	ppb	2.2596	0.5	739795	97.75865
Ca 370.602	5034	ppb	20.57	0.4	18470	100.68266
Cd 226.502	484.558	ppb	2.1856	0.5	10874.1	96.91156
Co 228.615	490.214	ppb	1.3466	0.3	3892.98	98.04272
Cr 267.716	4923.90	ppb	13.6657	0.3	78819.7	98.47810
Cu 324.754	4855.35	ppb	22.3235	0.5	175574	97.10699
Fe 271.441	4992.72	ppb	29.4138	0.6	3800.84	99.85436
K 766.491	9975.71	ppb	39.9111	0.4	1282968	99.75711
Mg 279.078	4934.99	ppb	35.0998	0.7	5712.70	98.69989
Mn 257.610	5059.62	ppb	14.7742	0.3	479265	101.19245
Mo 202.032	500.279	ppb	1.6214	0.3	1729.75	100.05573
Na 330.237	7439.28	ppb	82.9864	1.1	484.907	99.19038
Ni 231.604	2457.64	ppb	10.8588	0.4	7153.29	98.30574
Pb 220.353	494.428	ppb	2.0392	0.4	410.298	98.88564
Sb 206.834	940.832	ppb	7.1384	0.8	646.003	37.63327Q
Se 196.026	4923.27	ppb	23.2316	0.5	1388.33	98.46537
Sn 189.925	4980.04	ppb	16.0802	0.3	3107.51	99.60078
Sr 216.596	2455.83	ppb	9.8955	0.4	14815.0	98.23308
Ti 334.941	499.310	ppb	1.7186	0.3	104715	99.86190
Tl 190.794	4983.96	ppb	18.5761	0.4	2336.43	99.67923
V 292.401	4972.90	ppb	21.2875	0.4	139588	99.45808
Zn 206.200	2449.12	ppb	8.2268	0.3	7537.06	97.96498

Cont Calib Blank (CCB)

4/2/2013, 3:16:43 PM

Rack 1, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5533	ppb	0.2539	45.9	-20.1538	0.55334
Al 308.215	-42.5706	ppb	2.6571	6.2	25.4720	-42.57062
As 188.980	6.3443	ppb	1.1660	18.4	-0.4492	6.34427
B 249.678	-0.4150	ppb	0.4732	114.0	46.6735	-0.41500
Ba 389.178	-1.1174	ppb	0.7423	66.4	-31.4532	-1.11742
Be 313.042	-0.1925	ppb	0.0115	6.0	-68.9610	-0.19250
Ca 370.602	-53.89	ppb	2.412	4.5	-94.42	-53.89241
Cd 226.502	-0.9318	ppb	0.1724	18.5	10.1773	-0.93183
Co 228.615	-1.2347	ppb	0.4104	33.2	-12.3570	-1.23469
Cr 267.716	-1.4416	ppb	0.2935	20.4	10.0557	-1.44160
Cu 324.754	-1.2440	ppb	0.0649	5.2	123.085	-1.24398
Fe 271.441	-45.1748	ppb	4.8196	10.7	-8.0604	-45.17482Z
K 766.491	-36.8229	ppb	0.1999	0.5	2166.36	-36.82286
Mg 279.078	-43.4082	ppb	7.7405	17.8	18.6618	-43.40819
Mn 257.610	-2.7064	ppb	0.0805	3.0	26.2240	-2.70636
Mo 202.032	-0.2098	ppb	0.4364	208.1	4.3120	-0.20975
Na 330.237	-42.7871	ppb	14.0029	32.7	-0.6409	-42.78705
Ni 231.604	-1.5783	ppb	1.3501	85.5	-0.4176	-1.57830
Pb 220.353	-4.2042	ppb	0.8578	20.4	-0.6768	-4.20423
Sb 206.834	5.3160	ppb	3.9795	74.9	5.5817	5.31596
Se 196.026	-2.5068	ppb	4.8333	192.8	2.5020	-2.50676
Sn 189.925	-1.8418	ppb	1.9610	106.5	0.3298	-1.84178
Sr 216.596	-1.4826	ppb	0.2490	16.8	-5.3388	-1.48258
Ti 334.941	-0.6429	ppb	0.1166	18.1	49.7321	-0.64293

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.0103	ppb	2.5339	24627.9	-1.6101	-0.01029
V 292.401	-0.3960	ppb	0.2565	64.8	15.1810	-0.39597
Zn 206.200	-3.6566	ppb	0.2084	5.7	4.3411	-3.65664

mb 680-271534/1-a (Samp) **4/2/2013, 3:22:09 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0271	ppb	0.4016	1484.3	-38.1990
Al 308.215	-38.9745	ppb	2.5599	6.6	35.4571
As 188.980	-1.0638	ppb	3.2265	303.3	-3.2332
B 249.678	1.9766	ppb	0.6271	31.7	67.2564
Ba 389.178	-1.0206	ppb	0.9815	96.2	-29.8071
Be 313.042	-0.2063	ppb	0.0031	1.5	-89.7492
Ca 370.602	-49.45	ppb	2.397	4.8	-86.19
Cd 226.502	-0.8751	ppb	0.0665	7.6	11.5443
Co 228.615	-1.3948	ppb	0.1796	12.9	-13.6187
Cr 267.716	-1.4708	ppb	0.5659	38.5	9.5636
Cu 324.754	-1.1603	ppb	0.2214	19.1	126.123
Fe 271.441	2.6181	ppb	7.4168	283.3	27.4851
K 766.491	-36.6971	ppb	0.3738	1.0	2182.45
Mg 279.078	-36.0018	ppb	6.7592	18.8	27.0074
Mn 257.610	-2.8055	ppb	0.1167	4.2	16.8916
Mo 202.032	-0.7739	ppb	0.6563	84.8	2.3503
Na 330.237	-105.267	ppb	42.4186	40.3	-4.7338
Ni 231.604	-0.8287	ppb	1.1875	143.3	1.7623
Pb 220.353	0.1644	ppb	3.4874	2121.7	2.9731
Sb 206.834	1.6224	ppb	2.5930	159.8	3.1856
Se 196.026	-3.1296	ppb	3.2930	105.2	2.3259
Sn 189.925	-1.8173	ppb	3.7287	205.2	0.3450
Sr 216.596	-1.9372	ppb	0.8250	42.6	-8.0897
Ti 334.941	-0.6668	ppb	0.0107	1.6	-54.7021
Tl 190.794	-5.3321	ppb	2.3076	43.3	-4.1026
V 292.401	-0.6017	ppb	0.1120	18.6	9.5218
Zn 206.200	-3.7124	ppb	0.5759	15.5	4.1698

lcs 680-271534/2-a (Samp) **4/2/2013, 3:27:34 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	33.4223	ppb	0.6692	2.0	1002.85
Al 308.215	10312.1	ppb	27.1623	0.3	28867.1
As 188.980	203.617	ppb	4.4709	2.2	73.5731
B 249.678	386.882	ppb	0.4259	0.1	3374.42
Ba 389.178	210.882	ppb	0.5969	0.3	3498.01
Be 313.042	106.370	ppb	0.1871	0.2	160644
Ca 370.602	10139	ppb	19.36	0.2	36627
Cd 226.502	104.891	ppb	0.1617	0.2	2397.78
Co 228.615	104.314	ppb	0.5789	0.6	825.450
Cr 267.716	210.410	ppb	0.2985	0.1	3395.80
Cu 324.754	209.638	ppb	0.6596	0.3	7721.00
Fe 271.441	10122.0	ppb	6.6305	0.1	7563.13
K 766.491	10092.7	ppb	9.7325	0.1	1299208

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	10048.0	ppb	28.1743	0.3	11577.2
Mn 257.610	1085.35	ppb	1.7699	0.2	103064
Mo 202.032	206.277	ppb	0.7035	0.3	718.688
Na 330.237	9453.93	ppb	83.3332	0.9	612.288
Ni 231.604	207.662	ppb	1.3599	0.7	608.933
Pb 220.353	98.9298	ppb	3.0538	3.1	83.8236
Sb 206.834	96.6950	ppb	1.8684	1.9	66.2294
Se 196.026	191.688	ppb	8.5844	4.5	57.2289
Sn 189.925	394.736	ppb	2.8088	0.7	247.681
Sr 216.596	202.696	ppb	0.9726	0.5	1228.36
Ti 334.941	201.508	ppb	0.3171	0.2	42211.5
Tl 190.794	79.0821	ppb	7.7697	9.8	35.0867
V 292.401	205.410	ppb	0.3492	0.2	5749.38
Zn 206.200	203.581	ppb	2.3576	1.2	642.133

lcs 680-271534/3-a (Samp) 4/2/2013, 3:33:00 PM Rack 1, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	409.973b	ppb	1.6030	0.4	12709.5
Al 308.215	4116.26b	ppb	8.2034	0.2	11627.9
As 188.980	399.381b	ppb	1.0603	0.3	146.717
B 249.678	771.605b	ppb	1.8039	0.2	6635.65
Ba 389.178	387.713b	ppb	1.3465	0.3	6508.83
Be 313.042	409.200b	ppb	0.4048	0.1	617165
Ca 370.602	40482b	ppb	35.64	0.1	145722
Cd 226.502	403.260b	ppb	0.3808	0.1	9132.69
Co 228.615	408.255b	ppb	0.9021	0.2	3238.88
Cr 267.716	413.306b	ppb	1.7251	0.4	6629.16
Cu 324.754	416.799b	ppb	1.2118	0.3	15141.5
Fe 271.441	41331.6b	ppb	46.7603	0.1	30799.2
K 766.491	39117.8xb	ppb	6.2654	0.0	5015861
Mg 279.078	40263.2b	ppb	115.381	0.3	46182.9
Mn 257.610	4247.02b	ppb	3.5414	0.1	402468
Mo 202.032	402.819b	ppb	1.2891	0.3	1395.65
Na 330.237	37013.9b	ppb	84.7242	0.2	2392.36
Ni 231.604	408.695b	ppb	2.3549	0.6	1196.24
Pb 220.353	393.924b	ppb	4.3311	1.1	330.257
Sb 206.834	378.619b	ppb	6.5481	1.7	253.388
Se 196.026	404.572b	ppb	1.5408	0.4	117.304
Sn 189.925	386.890b	ppb	1.2471	0.3	242.733
Sr 216.596	419.251b	ppb	1.4352	0.3	2548.13
Ti 334.941	394.618b	ppb	0.2942	0.1	82604.3
Tl 190.794	74.4418b	ppb	2.6898	3.6	32.0203
V 292.401	402.537b	ppb	0.0988	0.0	11242.1
Zn 206.200	376.187b	ppb	1.5236	0.4	1174.54

lb 680-271071/19-c (Samp) 4/2/2013, 3:38:27 PM Rack 1, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8743b	ppb	0.2190	25.1	-10.1979
Al 308.215	-37.5981b	ppb	2.1860	5.8	39.2701

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.2059b	ppb	5.5453	131.8	-4.4184
B 249.678	40.3770b	ppb	0.6912	1.7	399.467
Ba 389.178	-0.5045b	ppb	0.7528	149.2	-21.1614
Be 313.042	-0.1966b	ppb	0.0098	5.0	-85.6686
Ca 370.602	264.1b	ppb	2.528	1.0	1097
Cd 226.502	-0.7476b	ppb	0.1509	20.2	14.0361
Co 228.615	-1.2670b	ppb	0.2350	18.5	-12.5934
Cr 267.716	-1.1095b	ppb	0.1518	13.7	16.0194
Cu 324.754	-0.8635b	ppb	0.3873	44.8	136.004
Fe 271.441	12.2628b	ppb	11.6794	95.2	34.6667
K 766.491	48.6059b	ppb	0.7119	1.5	13105.4
Mg 279.078	22.0749b	ppb	2.6672	12.1	93.7072
Mn 257.610	-2.6821b	ppb	0.0606	2.3	28.4972
Mo 202.032	-1.0584b	ppb	1.0927	103.2	1.3628
Na 330.237	118320xb	ppb	1175.72	1.0	7711.72
Ni 231.604	-0.8999b	ppb	1.3204	146.7	1.5570
Pb 220.353	-2.5611b	ppb	3.3094	129.2	0.6964
Sb 206.834	0.8382b	ppb	3.4411	410.5	2.6843
Se 196.026	-3.1742b	ppb	6.2897	198.1	2.3146
Sn 189.925	-3.9843b	ppb	3.1713	79.6	-0.9773
Sr 216.596	-1.1589b	ppb	0.6750	58.2	-3.3357
Ti 334.941	-0.6219b	ppb	0.0527	8.5	-51.5896
Tl 190.794	-8.1392b	ppb	3.5502	43.6	-5.4189
V 292.401	-0.7048b	ppb	0.1282	18.2	5.8161
Zn 206.200	-0.6635b	ppb	0.9633	145.2	13.5576

680-88627-b-1-k (Samp) 4/2/2013, 3:43:53 PM Rack 1, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0748b	ppb	0.1722	230.3	-34.9261
Al 308.215	-31.1731b	ppb	1.4422	4.6	57.1727
As 188.980	3.4156b	ppb	4.6853	137.2	-1.5985
B 249.678	40.3957b	ppb	0.6305	1.6	399.745
Ba 389.178	14.6314b	ppb	0.3990	2.7	229.464
Be 313.042	-0.1775b	ppb	0.0078	4.4	-56.2942
Ca 370.602	3369b	ppb	9.951	0.3	12836
Cd 226.502	-0.8015b	ppb	0.0341	4.3	12.7273
Co 228.615	-0.7165b	ppb	0.5341	74.5	-8.2214
Cr 267.716	-1.3458b	ppb	0.4595	34.1	12.3063
Cu 324.754	0.4349b	ppb	0.3799	87.4	174.519
Fe 271.441	-34.9196b	ppb	6.4437	18.5	-0.4141
K 766.491	314.466b	ppb	1.4490	0.5	47145.1
Mg 279.078	565.265b	ppb	1.4225	0.3	718.018
Mn 257.610	22.3894b	ppb	0.0895	0.4	2403.13
Mo 202.032	-1.0053b	ppb	0.7953	79.1	1.5529
Na 330.237	120869xb	ppb	141.860	0.1	7877.84
Ni 231.604	0.0585b	ppb	1.0068	1720.6	4.3664
Pb 220.353	-1.0144b	ppb	1.4036	138.4	1.9875
Sb 206.834	5.3075b	ppb	5.4639	102.9	5.6150
Se 196.026	-2.2584b	ppb	1.8075	80.0	2.5911
Sn 189.925	-4.6163b	ppb	5.0135	108.6	-1.3827
Sr 216.596	35.8468b	ppb	0.6952	1.9	221.444
Ti 334.941	-0.7112b	ppb	0.0210	2.9	67.0871

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.5560b	ppb	1.0279	66.1	-0.9091
V 292.401	-0.6401b	ppb	0.3418	53.4	7.4779
Zn 206.200	3.2814b	ppb	0.4426	13.5	25.7208

680-88627-b-1-kSD^5 (Samp) **4/2/2013, 3:49:20 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1800	ppb	0.2684	149.1	-31.7346
Al 308.215	-36.0125	ppb	0.3079	0.9	43.6974
As 188.980	-2.4032	ppb	5.4939	228.6	-3.7474
B 249.678	8.2771	ppb	0.7834	9.5	121.869
Ba 389.178	2.6191	ppb	0.2534	9.7	30.4379
Be 313.042	-0.2084	ppb	0.0047	2.3	-95.2147
Ca 370.602	718.5	ppb	3.178	0.4	2823
Cd 226.502	-0.6959	ppb	0.0560	8.1	15.3860
Co 228.615	-1.1036	ppb	0.2351	21.3	-11.3065
Cr 267.716	-1.3733	ppb	0.2493	18.2	11.3005
Cu 324.754	-1.1173	ppb	0.1101	9.9	125.587
Fe 271.441	-38.0437	ppb	4.7067	12.4	-2.7449
K 766.491	33.6215	ppb	0.0777	0.2	11185.8
Mg 279.078	88.1908	ppb	4.9178	5.6	169.850
Mn 257.610	2.7982	ppb	0.1134	4.1	547.586
Mo 202.032	-0.8570	ppb	0.8776	102.4	2.0678
Na 330.237	25591.4	ppb	258.524	1.0	1669.66
Ni 231.604	-0.7324	ppb	0.9112	124.4	2.0468
Pb 220.353	-3.3727	ppb	1.6136	47.8	0.0179
Sb 206.834	2.0193	ppb	2.8230	139.8	3.4528
Se 196.026	3.5845	ppb	5.5095	153.7	4.2188
Sn 189.925	-4.5158	ppb	2.2392	49.6	-1.3343
Sr 216.596	6.8062	ppb	0.2767	4.1	45.0099
Ti 334.941	-0.7704	ppb	0.0147	1.9	-76.9576
Tl 190.794	-1.1787	ppb	6.4393	546.3	-2.1640
V 292.401	-0.8355	ppb	0.3609	43.2	2.7101
Zn 206.200	-1.6797	ppb	0.3198	19.0	10.4311

680-88627-b-1-kPDS (Samp) **4/2/2013, 3:54:47 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.9748b	ppb	0.2245	0.4	1734.72
Al 308.215	2287.26b	ppb	8.7249	0.4	6539.59
As 188.980	2363.60b	ppb	14.6029	0.6	885.251
B 249.678	38.9934b	ppb	1.0368	2.7	397.207
Ba 389.178	2414.88b	ppb	6.9852	0.3	39826.5
Be 313.042	59.7091b	ppb	0.1222	0.2	90542.2
Ca 370.602	3344b	ppb	8.276	0.2	12558
Cd 226.502	59.3709b	ppb	0.0694	0.1	1360.52
Co 228.615	604.426b	ppb	1.5365	0.3	4798.74
Cr 267.716	239.356b	ppb	0.1728	0.1	3861.20
Cu 324.754	299.314b	ppb	1.2817	0.4	10971.4
Fe 271.441	1122.68b	ppb	4.5309	0.4	893.219
K 766.491	314.249b	ppb	1.2090	0.4	46471.6

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	567.258b	ppb	3.4444	0.6	715.012
Mn 257.610	642.969b	ppb	1.3312	0.2	61150.4
Mo 202.032	-0.9765b	ppb	0.8431	86.3	0.4455
Na 330.237	119605xb	ppb	476.983	0.4	7795.91
Ni 231.604	590.822b	ppb	3.2418	0.5	1723.12
Pb 220.353	574.614b	ppb	2.4004	0.4	482.337
Sb 206.834	561.163b	ppb	3.9085	0.7	369.027
Se 196.026	2313.04b	ppb	6.9978	0.3	653.640
Sn 189.925	-4.6460b	ppb	2.4579	52.9	-1.4012
Sr 216.596	38.4224b	ppb	0.6029	1.6	215.540
Ti 334.941	-0.7069b	ppb	0.0048	0.7	-49.5129
Tl 190.794	2336.51b	ppb	17.9808	0.8	1093.32
V 292.401	577.395b	ppb	1.6621	0.3	16262.6
Zn 206.200	599.410b	ppb	3.6824	0.6	1860.11

680-88627-b-1-1 ms (Samp)

4/2/2013, 4:00:14 PM

Rack 1, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.0639b	ppb	0.8367	1.3	2017.18
Al 308.215	792.566b	ppb	3.9483	0.5	2355.31
As 188.980	79.8464b	ppb	1.3819	1.7	27.0273
B 249.678	181.185b	ppb	1.5581	0.9	1600.19
Ba 389.178	88.7345b	ppb	1.2767	1.4	1475.99
Be 313.042	81.4895b	ppb	0.6602	0.8	123074
Ca 370.602	10728b	ppb	76.51	0.7	39210
Cd 226.502	80.6779b	ppb	0.4696	0.6	1851.24
Co 228.615	80.7768b	ppb	0.5217	0.6	638.809
Cr 267.716	80.3532b	ppb	0.9279	1.2	1316.07
Cu 324.754	83.3619b	ppb	0.8779	1.1	3155.48
Fe 271.441	8048.39b	ppb	65.1904	0.8	6018.13
K 766.491	8958.26b	ppb	47.2465	0.5	1153973
Mg 279.078	8156.19b	ppb	41.4557	0.5	9410.99
Mn 257.610	872.940b	ppb	7.5829	0.9	82947.5
Mo 202.032	78.5266b	ppb	1.0642	1.4	276.123
Na 330.237	103271xb	ppb	233.944	0.2	6726.98
Ni 231.604	82.0248b	ppb	1.4530	1.8	243.410
Pb 220.353	76.9833b	ppb	4.3834	5.7	66.8182
Sb 206.834	78.3560b	ppb	6.1568	7.9	54.0988
Se 196.026	72.1037b	ppb	11.7143	16.2	23.5673
Sn 189.925	77.5969b	ppb	1.0925	1.4	49.8803
Sr 216.596	107.715b	ppb	2.0797	1.9	657.464
Ti 334.941	78.3267b	ppb	0.7808	1.0	16461.2
Tl 190.794	14.8443b	ppb	2.6193	17.6	5.0822
V 292.401	79.5475b	ppb	0.8338	1.0	2241.91
Zn 206.200	84.0194b	ppb	1.6955	2.0	274.427

680-88627-b-1-m msd (Samp)

4/2/2013, 4:05:42 PM

Rack 1, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.6296b	ppb	0.3647	0.5	2034.78
Al 308.215	797.777b	ppb	4.0832	0.5	2369.86

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	74.2520b	ppb	2.1982	3.0	24.9244
B 249.678	183.303b	ppb	0.2126	0.1	1618.53
Ba 389.178	89.6469b	ppb	0.6925	0.8	1491.15
Be 313.042	82.8240b	ppb	0.1265	0.2	125085
Ca 370.602	10793b	ppb	15.80	0.1	39457
Cd 226.502	81.0617b	ppb	0.3864	0.5	1859.79
Co 228.615	80.6816b	ppb	0.8017	1.0	638.048
Cr 267.716	81.7834b	ppb	0.5914	0.7	1338.98
Cu 324.754	83.3179b	ppb	0.3790	0.5	3153.72
Fe 271.441	8035.06b	ppb	11.1700	0.1	6008.21
K 766.491	8939.68b	ppb	14.1964	0.2	1151593
Mg 279.078	8205.21b	ppb	9.8807	0.1	9467.34
Mn 257.610	879.790b	ppb	1.1276	0.1	83596.2
Mo 202.032	79.2708b	ppb	1.4740	1.9	278.704
Na 330.237	103786xb	ppb	959.753	0.9	6760.54
Ni 231.604	82.7700b	ppb	1.4466	1.7	245.580
Pb 220.353	80.3265b	ppb	6.5044	8.1	69.6082
Sb 206.834	76.8165b	ppb	5.1001	6.6	53.1166
Se 196.026	73.4605b	ppb	1.7734	2.4	23.9509
Sn 189.925	75.4987b	ppb	1.0055	1.3	48.5718
Sr 216.596	109.458b	ppb	0.5628	0.5	668.006
Ti 334.941	78.9557b	ppb	0.2145	0.3	16592.8
Tl 190.794	17.9448b	ppb	4.0095	22.3	6.5324
V 292.401	79.9000b	ppb	0.0236	0.0	2251.55
Zn 206.200	85.2590b	ppb	0.7299	0.9	278.241

680-88776-a-1-b (Samp) 4/2/2013, 4:11:10 PM Rack 1, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2381b	ppb	0.7374	309.7	-44.6411
Al 308.215	-25.4390b	ppb	0.9822	3.9	73.1457
As 188.980	-7.5149b	ppb	5.1072	68.0	-5.6774
B 249.678	40.9439b	ppb	0.4071	1.0	404.492
Ba 389.178	44.3411b	ppb	0.4151	0.9	718.922
Be 313.042	-0.1885b	ppb	0.0092	4.9	-72.8926
Ca 370.602	1374b	ppb	1.234	0.1	5299
Cd 226.502	-0.7577b	ppb	0.0408	5.4	13.7108
Co 228.615	-1.1993b	ppb	0.7520	62.7	-12.0403
Cr 267.716	-1.4061b	ppb	0.1209	8.6	11.3130
Cu 324.754	0.0301b	ppb	0.4997	1657.9	165.279
Fe 271.441	-40.8947b	ppb	7.5548	18.5	-4.8752
K 766.491	547.023b	ppb	1.1455	0.2	76916.4
Mg 279.078	230.357b	ppb	2.5882	1.1	333.190
Mn 257.610	22.7927b	ppb	0.0539	0.2	2440.49
Mo 202.032	-0.8696b	ppb	0.4872	56.0	2.0243
Na 330.237	115209xb	ppb	493.029	0.4	7509.03
Ni 231.604	-1.0412b	ppb	1.4153	135.9	1.1541
Pb 220.353	28.4547b	ppb	1.2506	4.4	26.6055
Sb 206.834	-0.1352b	ppb	1.5045	1113.1	2.0595
Se 196.026	-15.1023b	ppb	1.2519	8.3	-1.0281
Sn 189.925	-4.7538b	ppb	3.3798	71.1	-1.4622
Sr 216.596	0.7998b	ppb	0.8817	110.2	8.5755
Ti 334.941	-0.6322b	ppb	0.0407	6.4	52.4020

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-2.7757b	ppb	8.9522	322.5	-2.9177
V 292.401	-0.5615b	ppb	0.1838	32.7	9.6905
Zn 206.200	-0.9222b	ppb	0.4727	51.3	12.7679

Cont Calib Verif (CCV) 4/2/2013, 4:16:37 PM Rack 1, Tube 25
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.892	ppb	2.7530	0.6	15401.2	99.37832
Al 308.215	5000.36	ppb	10.3120	0.2	14319.0	100.00722
As 188.980	495.290	ppb	7.2590	1.5	184.057	99.05804
B 249.678	517.059	ppb	1.0681	0.2	4517.68	20.68235Q
Ba 389.178	4896.38	ppb	14.1902	0.3	80798.1	97.92759
Be 313.042	489.529	ppb	1.4310	0.3	740913	97.90582
Ca 370.602	5047	ppb	9.710	0.2	18517	100.93564
Cd 226.502	485.221	ppb	2.4910	0.5	10888.9	97.04425
Co 228.615	491.275	ppb	2.4012	0.5	3901.41	98.25500
Cr 267.716	4922.14	ppb	26.5292	0.5	78791.5	98.44289
Cu 324.754	4819.28	ppb	2.4267	0.1	174270	96.38559
Fe 271.441	4998.95	ppb	15.6881	0.3	3805.70	99.97893
K 766.491	9993.30	ppb	18.9432	0.2	1285218	99.93299
Mg 279.078	4944.84	ppb	9.1961	0.2	5723.98	98.89677
Mn 257.610	5063.76	ppb	18.7543	0.4	479657	101.27519
Mo 202.032	501.087	ppb	1.7305	0.3	1732.52	100.21733
Na 330.237	7540.51	ppb	123.072	1.6	491.488	100.54015
Ni 231.604	2460.12	ppb	9.9214	0.4	7160.48	98.40466
Pb 220.353	501.306	ppb	7.7993	1.6	416.036	100.26128
Sb 206.834	939.798	ppb	5.5747	0.6	645.352	37.59193Q
Se 196.026	4927.70	ppb	22.8116	0.5	1389.57	98.55392
Sn 189.925	4970.00	ppb	20.3177	0.4	3101.25	99.40005
Sr 216.596	2451.98	ppb	7.1325	0.3	14791.5	98.07934
Ti 334.941	500.142	ppb	1.7845	0.4	104889	100.02843
Tl 190.794	4998.72	ppb	19.1867	0.4	2343.35	99.97449
V 292.401	4987.08	ppb	9.7946	0.2	139986	99.74152
Zn 206.200	2445.54	ppb	6.1971	0.3	7526.00	97.82153

Cont Calib Blank (CCB) 4/2/2013, 4:22:02 PM Rack 1, Tube 26
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1603	ppb	0.4439	277.0	-32.3691	0.16027
Al 308.215	-35.9760	ppb	0.9347	2.6	43.8279	-35.97598
As 188.980	4.4843	ppb	2.6679	59.5	-1.1480	4.48431
B 249.678	-0.1502	ppb	0.2272	151.2	48.9690	-0.15023
Ba 389.178	-0.0158	ppb	0.4226	2666.9	-13.2735	-0.01584
Be 313.042	-0.1643	ppb	0.0249	15.2	-26.2790	-0.16426
Ca 370.602	-50.88	ppb	3.492	6.9	-83.93	-50.88255
Cd 226.502	-0.6486	ppb	0.2533	39.0	16.5189	-0.64861
Co 228.615	-0.6465	ppb	0.0629	9.7	-7.6775	-0.64649
Cr 267.716	-1.3893	ppb	0.1703	12.3	10.8888	-1.38935
Cu 324.754	-0.9665	ppb	0.3660	37.9	133.094	-0.96653
Fe 271.441	-40.0174	ppb	1.9982	5.0	-4.1962	-40.01742Z
K 766.491	-36.3238	ppb	0.4195	1.2	2229.98	-36.32378

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-40.6627	ppb	2.8401	7.0	21.7985	-40.66268
Mn 257.610	-2.3640	ppb	0.3044	12.9	58.6416	-2.36403
Mo 202.032	-0.9449	ppb	0.6104	64.6	1.7621	-0.94492
Na 330.237	23.9454	ppb	86.2846	360.3	3.7058	23.94536
Ni 231.604	-2.5165	ppb	0.3308	13.1	-3.1450	-2.51652
Pb 220.353	1.5804	ppb	3.2403	205.0	4.1561	1.58036
Sb 206.834	1.5980	ppb	2.0606	128.9	3.1659	1.59800
Se 196.026	-6.3791	ppb	8.4726	132.8	1.4133	-6.37905
Sn 189.925	-0.6902	ppb	3.4238	496.0	1.0480	-0.69024
Sr 216.596	-1.8974	ppb	0.3516	18.5	-7.8089	-1.89742
Ti 334.941	-0.5977	ppb	0.0672	11.2	-40.2571	-0.59768
Tl 190.794	0.5689	ppb	2.2945	403.3	-1.3377	0.56886
V 292.401	-0.2439	ppb	0.2517	103.2	19.5516	-0.24387
Zn 206.200	-3.0777	ppb	0.7133	23.2	6.1224	-3.07766

680-88776-a-2-b (Samp)

4/2/2013, 4:27:28 PM

Rack 1, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2710b	ppb	0.2987	110.2	-28.9195
Al 308.215	-20.2452b	ppb	1.8497	9.1	87.5796
As 188.980	-6.9244b	ppb	3.1244	45.1	-5.4442
B 249.678	12.8471b	ppb	0.3831	3.0	161.155
Ba 389.178	30.3190b	ppb	0.4503	1.5	487.513
Be 313.042	-0.1988b	ppb	0.0076	3.8	-88.2223
Ca 370.602	556.2b	ppb	3.715	0.7	2189
Cd 226.502	-0.7331b	ppb	0.0882	12.0	14.5192
Co 228.615	-0.6574b	ppb	0.2445	37.2	-7.7426
Cr 267.716	-1.4717b	ppb	0.2645	18.0	10.1426
Cu 324.754	-0.3527b	ppb	0.3902	110.6	153.715
Fe 271.441	73.9971b	ppb	2.6829	3.6	80.6197
K 766.491	315.765b	ppb	0.7448	0.2	47307.3
Mg 279.078	110.214b	ppb	4.6201	4.2	194.763
Mn 257.610	4.6828b	ppb	0.0556	1.2	725.970
Mo 202.032	-1.2652b	ppb	0.3597	28.4	0.6383
Na 330.237	108797xb	ppb	36.9072	0.0	7091.19
Ni 231.604	-0.6254b	ppb	1.3342	213.3	2.3665
Pb 220.353	20.3281b	ppb	2.1224	10.4	19.8157
Sb 206.834	3.7063b	ppb	4.8584	131.1	4.5520
Se 196.026	-1.5570b	ppb	8.3784	538.1	2.7709
Sn 189.925	-3.3360b	ppb	2.3076	69.2	-0.5766
Sr 216.596	0.3784b	ppb	0.6123	161.8	6.0203
Ti 334.941	-0.6803b	ppb	0.0213	3.1	-62.9578
Tl 190.794	2.0368b	ppb	4.9045	240.8	-0.6622
V 292.401	-0.8376b	ppb	0.0781	9.3	2.0598
Zn 206.200	-0.9324b	ppb	0.2813	30.2	12.7351

680-88776-a-3-b (Samp)

4/2/2013, 4:32:53 PM

Rack 1, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0214b	ppb	0.5434	2541.8	-36.6634
Al 308.215	2.8473b	ppb	1.2087	42.5	151.874

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	5.3732b	ppb	7.6435	142.3	-0.8276
B 249.678	45.6856b	ppb	2.3004	5.0	445.258
Ba 389.178	92.1960b	ppb	3.2690	3.5	1508.60
Be 313.042	-0.1677b	ppb	0.0109	6.5	-41.8311
Ca 370.602	871.3b	ppb	34.63	4.0	3379
Cd 226.502	-0.7727b	ppb	0.1403	18.2	13.6295
Co 228.615	-0.3081b	ppb	0.2890	93.8	-4.9308
Cr 267.716	-1.3975b	ppb	0.0685	4.9	11.3725
Cu 324.754	0.2146b	ppb	0.1516	70.7	173.373
Fe 271.441	81.1825b	ppb	11.9776	14.8	85.9962
K 766.491	265.601b	ppb	9.8359	3.7	40867.0
Mg 279.078	307.320b	ppb	11.0600	3.6	421.225
Mn 257.610	8.6434b	ppb	0.4897	5.7	1101.39
Mo 202.032	-1.1257b	ppb	1.3438	119.4	1.1208
Na 330.237	116075xb	ppb	3217.31	2.8	7565.41
Ni 231.604	-0.6469b	ppb	0.1636	25.3	2.3102
Pb 220.353	3.8472b	ppb	3.8292	99.5	6.0449
Sb 206.834	3.2249b	ppb	1.1246	34.9	4.2365
Se 196.026	-8.6926b	ppb	1.9648	22.6	0.7677
Sn 189.925	-1.0876b	ppb	1.1544	106.1	0.8264
Sr 216.596	0.0328b	ppb	0.4264	1300.7	3.9441
Ti 334.941	-0.5965b	ppb	0.0269	4.5	-45.5175
Tl 190.794	-2.2316b	ppb	3.0642	137.3	-2.6618
V 292.401	-0.6412b	ppb	0.2166	33.8	7.5675
Zn 206.200	-0.5663b	ppb	1.4445	255.1	13.8694

680-88776-a-4-b (Samp)

4/2/2013, 4:38:19 PM

Rack 1, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0487b	ppb	0.4446	913.3	-35.7529
Al 308.215	-20.9553b	ppb	3.8584	18.4	85.6120
As 188.980	3.3466b	ppb	3.9102	116.8	-1.5922
B 249.678	54.3415b	ppb	0.3167	0.6	520.426
Ba 389.178	95.5260b	ppb	0.7434	0.8	1563.81
Be 313.042	-0.1770b	ppb	0.0096	5.4	-55.7047
Ca 370.602	1097b	ppb	9.285	0.8	4255
Cd 226.502	-0.6630b	ppb	0.0901	13.6	15.8233
Co 228.615	-0.9532b	ppb	0.2831	29.7	-10.0530
Cr 267.716	-1.2934b	ppb	0.3416	26.4	13.1125
Cu 324.754	0.2079b	ppb	0.3858	185.5	172.483
Fe 271.441	-44.6591b	ppb	3.0900	6.9	-7.6589
K 766.491	529.993b	ppb	1.8957	0.4	74721.8
Mg 279.078	548.803b	ppb	1.5251	0.3	699.146
Mn 257.610	17.9705b	ppb	0.1633	0.9	1984.76
Mo 202.032	-0.9877b	ppb	0.0731	7.4	1.6157
Na 330.237	114860xb	ppb	567.718	0.5	7486.34
Ni 231.604	-0.4824b	ppb	0.7325	151.8	2.7912
Pb 220.353	-1.0120b	ppb	3.3928	335.3	1.9893
Sb 206.834	1.4529b	ppb	1.7220	118.5	3.0896
Se 196.026	2.4452b	ppb	7.8671	321.7	3.9056
Sn 189.925	-5.2435b	ppb	1.6143	30.8	-1.7667
Sr 216.596	0.5494b	ppb	0.2888	52.6	7.0252
Ti 334.941	-0.6417b	ppb	0.0391	6.1	54.6601

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.0613b	ppb	4.2848	6991.2	-1.5865
V 292.401	-0.8066b	ppb	0.1953	24.2	2.8836
Zn 206.200	0.3277b	ppb	0.8642	263.7	16.6266

680-88776-a-5-b (Samp) **4/2/2013, 4:43:45 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9744b	ppb	1.2868	132.1	-7.0923
Al 308.215	26.9541b	ppb	2.9486	10.9	218.977
As 188.980	-4.4174b	ppb	4.1682	94.4	-4.5101
B 249.678	41.1663b	ppb	0.2394	0.6	405.989
Ba 389.178	37.5871b	ppb	0.4073	1.1	608.342
Be 313.042	-0.1734b	ppb	0.0076	4.4	-49.7639
Ca 370.602	1115b	ppb	12.54	1.1	4288
Cd 226.502	-0.7389b	ppb	0.2637	35.7	14.5525
Co 228.615	-1.1931b	ppb	0.3788	31.7	-11.9943
Cr 267.716	-1.4773b	ppb	0.3128	21.2	10.0062
Cu 324.754	-0.3014b	ppb	0.1315	43.6	154.115
Fe 271.441	145.157b	ppb	5.1957	3.6	133.555
K 766.491	160.798b	ppb	2.6850	1.7	27461.5
Mg 279.078	568.906b	ppb	9.5932	1.7	721.602
Mn 257.610	2.0798b	ppb	0.0280	1.3	480.788
Mo 202.032	-1.2325b	ppb	0.8478	68.8	0.7431
Na 330.237	107453xb	ppb	1668.90	1.6	7003.59
Ni 231.604	-0.8725b	ppb	0.2460	28.2	1.6692
Pb 220.353	2.7165b	ppb	2.4986	92.0	5.0973
Sb 206.834	1.2974b	ppb	2.8594	220.4	2.9895
Se 196.026	-2.2800b	ppb	2.9582	129.7	2.5704
Sn 189.925	-4.5667b	ppb	2.7515	60.3	-1.3465
Sr 216.596	-0.2365b	ppb	0.6190	261.8	2.3528
Ti 334.941	-0.6515b	ppb	0.0180	2.8	-56.2804
Tl 190.794	-0.6765b	ppb	2.6917	397.9	-1.9414
V 292.401	-0.9280b	ppb	0.1717	18.5	-0.4885
Zn 206.200	-0.3914b	ppb	0.7405	189.2	14.4188

680-88776-a-6-b (Samp) **4/2/2013, 4:49:12 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5808b	ppb	0.9394	161.7	-19.2558
Al 308.215	-8.2944b	ppb	2.6978	32.5	120.866
As 188.980	2.5604b	ppb	8.2698	323.0	-1.8902
B 249.678	37.7391b	ppb	0.3113	0.8	376.738
Ba 389.178	75.1502b	ppb	0.2850	0.4	1227.33
Be 313.042	-0.1765b	ppb	0.0112	6.3	-54.8690
Ca 370.602	1280b	ppb	1.212	0.1	4943
Cd 226.502	-0.8510b	ppb	0.1402	16.5	11.6619
Co 228.615	-0.7158b	ppb	0.6089	85.1	-8.1830
Cr 267.716	-1.3317b	ppb	0.3253	24.4	12.4725
Cu 324.754	-0.3764b	ppb	0.1233	32.8	150.858
Fe 271.441	-25.0259b	ppb	3.5963	14.4	6.9412
K 766.491	289.131b	ppb	0.4205	0.1	43884.6

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	332.613b	ppb	6.1771	1.9	450.664
Mn 257.610	10.2704b	ppb	0.1544	1.5	1255.34
Mo 202.032	-1.3374b	ppb	0.1238	9.3	0.4007
Na 330.237	113594xb	ppb	409.523	0.4	7403.83
Ni 231.604	-0.4003b	ppb	1.1032	275.6	3.0238
Pb 220.353	-0.9395b	ppb	1.9395	206.4	2.0477
Sb 206.834	2.4702b	ppb	0.8965	36.3	3.7479
Se 196.026	-1.9931b	ppb	12.2170	613.0	2.6552
Sn 189.925	-2.1476b	ppb	1.2274	57.2	0.1632
Sr 216.596	2.2714b	ppb	0.1918	8.4	17.4909
Ti 334.941	-0.6801b	ppb	0.0446	6.6	-62.4141
Tl 190.794	1.1466b	ppb	7.1897	627.0	-1.0817
V 292.401	-0.7227b	ppb	0.3301	45.7	5.2161
Zn 206.200	-2.2679b	ppb	0.7739	34.1	8.6279

680-88776-a-7-b (Samp)

4/2/2013, 4:54:39 PM

Rack 1, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4033b	ppb	0.6626	164.3	-24.7644
Al 308.215	-18.4128b	ppb	6.6692	36.2	92.6894
As 188.980	-2.5818b	ppb	4.8689	188.6	-3.8257
B 249.678	45.6830b	ppb	0.9721	2.1	445.317
Ba 389.178	22.8609b	ppb	0.7557	3.3	364.750
Be 313.042	-0.1781b	ppb	0.0061	3.4	-56.9579
Ca 370.602	1520b	ppb	23.50	1.5	5837
Cd 226.502	-0.7096b	ppb	0.1725	24.3	14.9711
Co 228.615	-0.5452b	ppb	0.2746	50.4	-6.8606
Cr 267.716	-1.2674b	ppb	0.2889	22.8	13.4519
Cu 324.754	3.4661b	ppb	0.1602	4.6	289.110
Fe 271.441	38.6113b	ppb	6.4754	16.8	54.2987
K 766.491	339.760b	ppb	5.5169	1.6	50381.9
Mg 279.078	267.596b	ppb	6.3797	2.4	375.714
Mn 257.610	14.9033b	ppb	0.3249	2.2	1693.84
Mo 202.032	-0.8739b	ppb	0.4385	50.2	1.9993
Na 330.237	110066xb	ppb	1901.08	1.7	7173.90
Ni 231.604	-1.4799b	ppb	0.7048	47.6	-0.1145
Pb 220.353	-0.7736b	ppb	1.3546	175.1	2.1864
Sb 206.834	-0.2873b	ppb	2.6145	909.9	1.9642
Se 196.026	-0.3505b	ppb	14.9778	4273.3	3.1169
Sn 189.925	-4.9704b	ppb	1.7673	35.6	-1.5993
Sr 216.596	3.5305b	ppb	0.7554	21.4	25.2127
Ti 334.941	-0.6798b	ppb	0.0258	3.8	-61.8966
Tl 190.794	1.0712b	ppb	2.0459	191.0	-1.1220
V 292.401	-0.8569b	ppb	0.2040	23.8	1.4021
Zn 206.200	11.2449b	ppb	0.7159	6.4	50.2291

680-88776-a-8-b (Samp)

4/2/2013, 5:00:06 PM

Rack 1, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1308b	ppb	0.1648	125.9	-33.3181
Al 308.215	6.2668b	ppb	3.8406	61.3	161.388

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.7994b	ppb	4.6820	585.7	-2.5455
B 249.678	47.9703b	ppb	0.5878	1.2	464.819
Ba 389.178	41.7701b	ppb	0.4472	1.1	676.526
Be 313.042	-0.1974b	ppb	0.0069	3.5	-86.6928
Ca 370.602	817.7b	ppb	7.535	0.9	3162
Cd 226.502	-0.7690b	ppb	0.1283	16.7	13.8745
Co 228.615	-0.9569b	ppb	0.0836	8.7	-10.1179
Cr 267.716	-1.5021b	ppb	0.2450	16.3	9.6470
Cu 324.754	-0.8681b	ppb	0.1804	20.8	134.411
Fe 271.441	157.723b	ppb	4.8052	3.0	142.896
K 766.491	178.043b	ppb	1.2599	0.7	29668.7
Mg 279.078	114.389b	ppb	1.6116	1.4	199.269
Mn 257.610	-1.9083b	ppb	0.0096	0.5	102.148
Mo 202.032	-0.3543b	ppb	0.8628	243.5	3.7856
Na 330.237	116180xb	ppb	1363.19	1.2	7572.24
Ni 231.604	-1.1988b	ppb	0.4897	40.9	0.7049
Pb 220.353	10.0284b	ppb	3.1255	31.2	11.2079
Sb 206.834	0.3744b	ppb	3.0113	804.3	2.3813
Se 196.026	-0.9030b	ppb	7.3831	817.6	2.9527
Sn 189.925	-2.8363b	ppb	6.4459	227.3	-0.2639
Sr 216.596	0.1898b	ppb	0.3624	191.0	4.9466
Ti 334.941	-0.6581b	ppb	0.0936	14.2	-58.4920
Tl 190.794	0.3472b	ppb	5.7062	1643.5	-1.4602
V 292.401	-0.8166b	ppb	0.3031	37.1	2.5766
Zn 206.200	-1.9855b	ppb	0.3359	16.9	9.4970

680-88776-a-9-b (Samp)

4/2/2013, 5:05:33 PM

Rack 1, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6249b	ppb	1.2706	203.3	-56.7533
Al 308.215	-27.1873b	ppb	2.6470	9.7	68.2640
As 188.980	-3.0829b	ppb	5.0446	163.6	-4.0181
B 249.678	45.5317b	ppb	0.4812	1.1	444.191
Ba 389.178	66.8590b	ppb	0.7820	1.2	1090.41
Be 313.042	-0.1881b	ppb	0.0039	2.1	-72.6238
Ca 370.602	1801b	ppb	9.910	0.6	6913
Cd 226.502	-0.8895b	ppb	0.1723	19.4	10.7535
Co 228.615	-1.0014b	ppb	0.1523	15.2	-10.4534
Cr 267.716	-1.3887b	ppb	0.4084	29.4	11.5811
Cu 324.754	-0.8583b	ppb	0.3214	37.4	132.014
Fe 271.441	-44.2850b	ppb	3.5763	8.1	-7.4047
K 766.491	454.360b	ppb	2.5921	0.6	65044.7
Mg 279.078	260.511b	ppb	7.2676	2.8	367.887
Mn 257.610	1.2163b	ppb	0.0271	2.2	398.049
Mo 202.032	-0.7165b	ppb	1.1680	163.0	2.5558
Na 330.237	117648xb	ppb	376.208	0.3	7667.96
Ni 231.604	-0.7229b	ppb	0.6317	87.4	2.0789
Pb 220.353	386.098b	ppb	2.6964	0.7	325.385
Sb 206.834	1.9972b	ppb	1.7868	89.5	3.4489
Se 196.026	-8.5934b	ppb	6.3809	74.3	0.7992
Sn 189.925	-0.6252b	ppb	1.0905	174.4	1.1116
Sr 216.596	9.8239b	ppb	1.1760	12.0	63.3822
Ti 334.941	-0.6448b	ppb	0.0730	11.3	54.7085

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-4.3909b	ppb	2.2642	51.6	-3.6776
V 292.401	-0.8012b	ppb	0.0777	9.7	3.0013
Zn 206.200	-0.9371b	ppb	0.6738	71.9	12.7216

680-88776-a-10-b (Samp) 4/2/2013, 5:11:01 PM Rack 1, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0896b	ppb	0.4507	502.9	-34.5629
Al 308.215	-11.8159b	ppb	2.0462	17.3	111.068
As 188.980	0.1109b	ppb	5.7893	5218.7	-2.8090
B 249.678	66.4113b	ppb	0.6170	0.9	624.785
Ba 389.178	30.7197b	ppb	0.7287	2.4	494.314
Be 313.042	-0.1940b	ppb	0.0077	4.0	-81.6423
Ca 370.602	1170b	ppb	4.222	0.4	4526
Cd 226.502	-0.7906b	ppb	0.0700	8.9	12.9985
Co 228.615	-1.0833b	ppb	0.5277	48.7	-11.1287
Cr 267.716	-1.2785b	ppb	0.4465	34.9	13.3412
Cu 324.754	-0.6319b	ppb	0.3132	49.6	141.917
Fe 271.441	-24.5901b	ppb	8.2409	33.5	7.2493
K 766.491	241.610b	ppb	1.4523	0.6	37811.6
Mg 279.078	274.150b	ppb	5.2321	1.9	383.496
Mn 257.610	-0.8050b	ppb	0.0360	4.5	206.751
Mo 202.032	-0.3718b	ppb	0.9723	261.5	3.7484
Na 330.237	119508xb	ppb	576.287	0.5	7789.17
Ni 231.604	-1.0161b	ppb	0.5679	55.9	1.2301
Pb 220.353	2.2881b	ppb	2.8166	123.1	4.7441
Sb 206.834	-0.1917b	ppb	0.4345	226.6	2.0223
Se 196.026	-1.8715b	ppb	1.0031	53.6	2.6864
Sn 189.925	-5.3062b	ppb	2.4685	46.5	-1.8049
Sr 216.596	3.1811b	ppb	0.4913	15.4	23.0329
Ti 334.941	-0.6935b	ppb	0.0438	6.3	-65.6601
Tl 190.794	-1.2565b	ppb	3.6366	289.4	-2.2061
V 292.401	-0.6749b	ppb	0.0791	11.7	6.5062
Zn 206.200	-0.7763b	ppb	0.2900	37.4	13.2189

680-88776-a-11-b (Samp) 4/2/2013, 5:16:29 PM Rack 1, Tube 36

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0222b	ppb	0.2997	1348.6	-37.9359
Al 308.215	-17.8049b	ppb	4.0293	22.6	94.3751
As 188.980	-1.1103b	ppb	7.9158	713.0	-3.2758
B 249.678	65.9834b	ppb	1.1289	1.7	620.904
Ba 389.178	37.4264b	ppb	0.7021	1.9	605.007
Be 313.042	-0.1771b	ppb	0.0040	2.2	-56.4604
Ca 370.602	1726b	ppb	7.277	0.4	6614
Cd 226.502	-0.7354b	ppb	0.2072	28.2	14.3858
Co 228.615	-1.0481b	ppb	0.3972	37.9	-10.8414
Cr 267.716	-1.3096b	ppb	0.3138	24.0	12.8545
Cu 324.754	-0.4206b	ppb	0.2509	59.7	148.081
Fe 271.441	54.9937b	ppb	8.1170	14.8	66.4616
K 766.491	767.794b	ppb	1.7639	0.2	105188

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	253.933b	ppb	4.5980	1.8	359.937
Mn 257.610	26.5525b	ppb	0.1071	0.4	2796.54
Mo 202.032	-0.5777b	ppb	0.3428	59.3	3.0243
Na 330.237	122999xb	ppb	306.428	0.2	8016.60
Ni 231.604	-0.7871b	ppb	0.1610	20.5	1.9016
Pb 220.353	4.8661b	ppb	2.7541	56.6	6.8979
Sb 206.834	2.4229b	ppb	2.8680	118.4	3.7307
Se 196.026	-1.1898b	ppb	1.9927	167.5	2.8834
Sn 189.925	-6.0284b	ppb	0.9235	15.3	-2.2566
Sr 216.596	4.1825b	ppb	0.6677	16.0	29.1676
Ti 334.941	-0.6060b	ppb	0.0565	9.3	-46.9496
Tl 190.794	2.1805b	ppb	2.6256	120.4	-0.6062
V 292.401	-0.9036b	ppb	0.2503	27.7	0.0004
Zn 206.200	-0.2228b	ppb	0.2566	115.1	14.9228

Cont Calib Verif (CCV)

4/2/2013, 5:21:56 PM

Rack 1, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.232	ppb	10.2663	2.1	15225.2	98.24641
Al 308.215	4915.12	ppb	98.5090	2.0	14077.8	98.30244
As 188.980	478.929	ppb	8.4065	1.8	177.897	95.78583
B 249.678	505.985	ppb	10.5979	2.1	4421.99	20.23939Q
Ba 389.178	4829.16	ppb	96.8065	2.0	79688.5	96.58315
Be 313.042	481.504	ppb	9.7029	2.0	728773	96.30075
Ca 370.602	4966	ppb	94.00	1.9	18227	99.32768
Cd 226.502	476.722	ppb	10.5256	2.2	10698.7	95.34438
Co 228.615	483.655	ppb	10.7683	2.2	3840.89	96.73098
Cr 267.716	4843.73	ppb	104.966	2.2	77536.7	96.87450
Cu 324.754	4837.45	ppb	88.0449	1.8	174928	96.74899
Fe 271.441	4906.22	ppb	105.170	2.1	3735.73	98.12433
K 766.491	9856.94	ppb	131.664	1.3	1267774	98.56937
Mg 279.078	4859.30	ppb	82.3598	1.7	5626.16	97.18607
Mn 257.610	4984.27	ppb	105.095	2.1	472132	99.68547
Mo 202.032	491.446	ppb	10.4628	2.1	1699.25	98.28922
Na 330.237	7375.37	ppb	142.334	1.9	480.756	98.33826
Ni 231.604	2417.99	ppb	51.6818	2.1	7037.92	96.71941
Pb 220.353	487.904	ppb	8.0710	1.7	404.929	97.58075
Sb 206.834	929.411	ppb	20.0660	2.2	638.105	37.17643Q
Se 196.026	4832.12	ppb	100.871	2.1	1362.69	96.64231
Sn 189.925	4884.87	ppb	95.2901	2.0	3048.15	97.69746
Sr 216.596	2416.45	ppb	49.8035	2.1	14577.4	96.65784
Ti 334.941	492.895	ppb	10.5786	2.1	103370	98.57896
Tl 190.794	4912.70	ppb	84.7420	1.7	2303.01	98.25397
V 292.401	4911.23	ppb	106.417	2.2	137858	98.22465
Zn 206.200	2405.01	ppb	54.8291	2.3	7401.52	96.20044

Cont Calib Blank (CCB)

4/2/2013, 5:27:21 PM

Rack 1, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2489	ppb	0.5095	204.6	-45.0882	-0.24895
Al 308.215	-38.2676	ppb	2.4820	6.5	37.4215	-38.26763

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.2787	ppb	3.9118	119.3	-1.6015	3.27868
B 249.678	-0.1420	ppb	0.8583	604.6	49.0260	-0.14198
Ba 389.178	-0.7157	ppb	0.4632	64.7	-24.8265	-0.71571
Be 313.042	-0.1977	ppb	0.0088	4.4	-76.7602	-0.19772
Ca 370.602	-50.17	ppb	5.006	10.0	-81.84	-50.17012
Cd 226.502	-0.7135	ppb	0.1616	22.7	15.0741	-0.71355
Co 228.615	-1.1162	ppb	0.1248	11.2	-11.3963	-1.11615
Cr 267.716	-1.2633	ppb	0.2054	16.3	12.9041	-1.26334
Cu 324.754	-1.1860	ppb	0.1253	10.6	125.172	-1.18601
Fe 271.441	-37.4663	ppb	4.4788	12.0	-2.3305	-37.46633Z
K 766.491	-37.3822	ppb	0.0634	0.2	2094.67	-37.38216
Mg 279.078	-42.9514	ppb	4.0589	9.4	19.1580	-42.95144
Mn 257.610	-2.7597	ppb	0.0705	2.6	21.1801	-2.75968
Mo 202.032	-1.5729	ppb	1.1956	76.0	-0.4153	-1.57290
Na 330.237	-83.1888	ppb	41.5705	50.0	-3.2770	-83.18875
Ni 231.604	-0.7530	ppb	0.6197	82.3	1.9854	-0.75300
Pb 220.353	-0.9214	ppb	1.3212	143.4	2.0672	-0.92141
Sb 206.834	2.3939	ppb	4.9474	206.7	3.6880	2.39392
Se 196.026	-3.0189	ppb	9.0870	301.0	2.3578	-3.01890
Sn 189.925	-2.1513	ppb	1.0249	47.6	0.1367	-2.15128
Sr 216.596	-1.9262	ppb	0.1749	9.1	-8.0362	-1.92617
Ti 334.941	-0.6500	ppb	0.0368	5.7	-51.1878	-0.65004
Tl 190.794	3.7881	ppb	3.9162	103.4	0.1681	3.78812
V 292.401	-0.4866	ppb	0.4118	84.6	12.8850	-0.48659
Zn 206.200	-3.6318	ppb	0.5145	14.2	4.4162	-3.63175

680-88776-a-12-b (Samp)

4/2/2013, 5:32:47 PM

Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6000b	ppb	0.2402	40.0	-18.4922
Al 308.215	-18.9977b	ppb	4.1322	21.8	91.0789
As 188.980	-3.1931b	ppb	3.7785	118.3	-4.0658
B 249.678	38.1462b	ppb	0.1003	0.3	380.302
Ba 389.178	38.4853b	ppb	0.7913	2.1	622.538
Be 313.042	-0.1779b	ppb	0.0049	2.8	-57.4343
Ca 370.602	2235b	ppb	4.769	0.2	8553
Cd 226.502	-0.5972b	ppb	0.1778	29.8	17.2834
Co 228.615	-0.1530b	ppb	0.3445	225.2	-3.7402
Cr 267.716	-1.4887b	ppb	0.2722	18.3	10.0561
Cu 324.754	4.7161b	ppb	0.1728	3.7	332.330
Fe 271.441	-39.3348b	ppb	2.6975	6.9	-3.6729
K 766.491	587.523b	ppb	2.6910	0.5	82104.0
Mg 279.078	345.010b	ppb	2.8592	0.8	464.891
Mn 257.610	48.6217b	ppb	0.2399	0.5	4885.81
Mo 202.032	-0.3203b	ppb	1.3582	424.1	3.9290
Na 330.237	120909xb	ppb	748.390	0.6	7880.47
Ni 231.604	0.7005b	ppb	0.2994	42.7	6.2267
Pb 220.353	134.311b	ppb	3.1080	2.3	115.038
Sb 206.834	2.2928b	ppb	1.1189	48.8	3.6401
Se 196.026	1.0014b	ppb	5.3395	533.2	3.5079
Sn 189.925	-2.5184b	ppb	0.7870	31.2	-0.0698
Sr 216.596	5.9089b	ppb	0.4094	6.9	39.5603
Ti 334.941	-0.5525b	ppb	0.0959	17.4	35.1713

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	5.5579b	ppb	5.6155	101.0	0.9750
V 292.401	-0.7109b	ppb	0.2033	28.6	5.3109
Zn 206.200	14.9547b	ppb	0.2818	1.9	61.6516

680-88776-a-13-b (Samp) 4/2/2013, 5:38:13 PM Rack 1, Tube 40

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4531b	ppb	0.5698	125.7	-23.2138
Al 308.215	-12.2768b	ppb	0.8860	7.2	109.770
As 188.980	-1.3966b	ppb	4.2372	303.4	-3.3736
B 249.678	35.8110b	ppb	1.5123	4.2	359.944
Ba 389.178	52.3525b	ppb	2.2112	4.2	850.974
Be 313.042	-0.1415b	ppb	0.0156	11.1	-1.8529
Ca 370.602	1013b	ppb	48.23	4.8	3925
Cd 226.502	-0.8991b	ppb	0.2710	30.1	10.6945
Co 228.615	-0.9153b	ppb	0.7833	85.6	-9.7701
Cr 267.716	-1.1548b	ppb	0.1263	10.9	15.2723
Cu 324.754	0.3477b	ppb	0.1962	56.4	177.763
Fe 271.441	21.7296b	ppb	0.7370	3.4	41.7222
K 766.491	497.842b	ppb	26.7332	5.4	70616.5
Mg 279.078	139.762b	ppb	10.8223	7.7	228.874
Mn 257.610	14.1122b	ppb	0.8105	5.7	1618.61
Mo 202.032	-1.2419b	ppb	0.4955	39.9	0.7250
Na 330.237	112297xb	ppb	6393.39	5.7	7319.29
Ni 231.604	-0.0702b	ppb	0.1811	258.1	3.9794
Pb 220.353	5.9328b	ppb	2.7582	46.5	7.7899
Sb 206.834	0.4393b	ppb	2.1413	487.4	2.4267
Se 196.026	-5.4754b	ppb	3.2766	59.8	1.6738
Sn 189.925	-0.8240b	ppb	4.3259	525.0	0.9893
Sr 216.596	4.0583b	ppb	0.9766	24.1	28.3524
Ti 334.941	-0.6534b	ppb	0.0500	7.6	-57.0498
Tl 190.794	-0.0442b	ppb	5.1026	11550.4	-1.6380
V 292.401	-0.5604b	ppb	0.1750	31.2	9.9232
Zn 206.200	-1.7465b	ppb	0.4230	24.2	10.2280

680-88776-a-14-b (Samp) 4/2/2013, 5:43:38 PM Rack 1, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2303b	ppb	0.3359	145.9	-30.1751
Al 308.215	-21.0934b	ppb	1.0814	5.1	85.2507
As 188.980	-2.1676b	ppb	9.2279	425.7	-3.6708
B 249.678	41.9259b	ppb	0.6175	1.5	412.989
Ba 389.178	17.2881b	ppb	0.8458	4.9	272.698
Be 313.042	-0.1802b	ppb	0.0069	3.8	-60.2795
Ca 370.602	1577b	ppb	3.200	0.2	6069
Cd 226.502	-0.8793b	ppb	0.1209	13.7	10.9874
Co 228.615	-1.3987b	ppb	0.2881	20.6	-13.6477
Cr 267.716	-1.3769b	ppb	0.3133	22.8	11.7528
Cu 324.754	-0.7756b	ppb	0.1011	13.0	135.609
Fe 271.441	-45.3894b	ppb	0.6758	1.5	-8.2267
K 766.491	253.921b	ppb	0.9413	0.4	39391.5

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	251.996b	ppb	7.9694	3.2	358.106
Mn 257.610	1.8660b	ppb	0.0635	3.4	459.544
Mo 202.032	-0.0484b	ppb	0.4321	892.4	4.8721
Na 330.237	113986xb	ppb	789.404	0.7	7429.37
Ni 231.604	-1.1887b	ppb	1.5475	130.2	0.7280
Pb 220.353	-3.0903b	ppb	2.5547	82.7	0.2517
Sb 206.834	4.8108b	ppb	5.1316	106.7	5.2740
Se 196.026	-0.6115b	ppb	7.1633	1171.5	3.0428
Sn 189.925	-2.8883b	ppb	3.4967	121.1	-0.2998
Sr 216.596	5.2263b	ppb	0.2775	5.3	35.4593
Ti 334.941	-0.6957b	ppb	0.0843	12.1	-65.3988
Tl 190.794	2.0458b	ppb	3.0359	148.4	-0.6641
V 292.401	-0.6325b	ppb	0.3098	49.0	7.6400
Zn 206.200	-2.3023b	ppb	0.0866	3.8	8.5202

680-88776-a-15-b (Samp)

4/2/2013, 5:49:05 PM

Rack 1, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4576b	ppb	0.1734	37.9	-51.4193
Al 308.215	-24.1944b	ppb	1.6360	6.8	76.6026
As 188.980	-0.2989b	ppb	2.6949	901.6	-2.9981
B 249.678	46.7347b	ppb	0.5627	1.2	454.595
Ba 389.178	31.4892b	ppb	0.9106	2.9	507.918
Be 313.042	-0.1704b	ppb	0.0019	1.1	-45.2224
Ca 370.602	3654b	ppb	26.78	0.7	13912
Cd 226.502	-0.9505b	ppb	0.2203	23.2	9.4263
Co 228.615	0.2998b	ppb	0.2211	73.7	-0.1441
Cr 267.716	-1.5051b	ppb	0.7021	46.6	9.7381
Cu 324.754	-0.8848b	ppb	0.4595	51.9	126.063
Fe 271.441	-29.9029b	ppb	3.6673	12.3	3.3657
K 766.491	583.920b	ppb	4.5975	0.8	81644.5
Mg 279.078	766.131b	ppb	1.7933	0.2	948.799
Mn 257.610	33.7849b	ppb	0.1896	0.6	3482.37
Mo 202.032	-0.6484b	ppb	0.4562	70.4	2.7900
Na 330.237	115498xb	ppb	1379.84	1.2	7527.90
Ni 231.604	-0.6528b	ppb	1.4179	217.2	2.3051
Pb 220.353	2.8745b	ppb	2.2468	78.2	5.2354
Sb 206.834	0.6565b	ppb	1.8261	278.2	2.5879
Se 196.026	-3.6723b	ppb	7.8584	214.0	2.1978
Sn 189.925	-0.4233b	ppb	2.6647	629.5	1.2300
Sr 216.596	8.3827b	ppb	0.8182	9.8	54.7124
Ti 334.941	-0.5815b	ppb	0.1781	30.6	-39.3959
Tl 190.794	0.7035b	ppb	2.7756	394.5	-1.3096
V 292.401	-0.7442b	ppb	0.0454	6.1	4.5172
Zn 206.200	-2.0381b	ppb	0.9640	47.3	9.3511

680-88776-a-16-b (Samp)

4/2/2013, 5:55:41 PM

Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4183b	ppb	0.7260	173.6	-24.3299
Al 308.215	-21.5726b	ppb	2.4201	11.2	83.8959

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.4734b	ppb	3.7994	257.9	-2.3031
B 249.678	64.0782b	ppb	0.3350	0.5	604.659
Ba 389.178	78.0789b	ppb	0.7701	1.0	1276.05
Be 313.042	-0.1786b	ppb	0.0036	2.0	-58.4267
Ca 370.602	1579b	ppb	5.719	0.4	6073
Cd 226.502	-1.0795b	ppb	0.1865	17.3	6.5069
Co 228.615	-0.4374b	ppb	0.4653	106.4	-5.9638
Cr 267.716	-1.5046b	ppb	0.4774	31.7	9.7403
Cu 324.754	0.0603b	ppb	0.3098	513.9	165.844
Fe 271.441	-39.7512b	ppb	2.8935	7.3	-3.9858
K 766.491	315.718b	ppb	0.6868	0.2	47288.3
Mg 279.078	557.299b	ppb	8.3390	1.5	708.911
Mn 257.610	4.2850b	ppb	0.0146	0.3	689.284
Mo 202.032	-1.2103b	ppb	0.6742	55.7	0.8427
Na 330.237	120051xb	ppb	86.7207	0.1	7824.55
Ni 231.604	0.2907b	ppb	0.4271	146.9	5.0397
Pb 220.353	-0.1908b	ppb	2.5331	1327.6	2.6749
Sb 206.834	-0.0299b	ppb	1.9787	6618.3	2.1321
Se 196.026	-9.4132b	ppb	6.6348	70.5	0.5704
Sn 189.925	-5.3644b	ppb	0.5606	10.5	-1.8426
Sr 216.596	1.3274b	ppb	0.2918	22.0	11.7458
Ti 334.941	-0.6773b	ppb	0.0703	10.4	-61.8649
Tl 190.794	0.0956b	ppb	5.3339	5580.1	-1.5743
V 292.401	-0.6565b	ppb	0.1242	18.9	7.1299
Zn 206.200	-0.4274b	ppb	0.4718	110.4	14.3022

680-88776-a-17-b (Samp)

4/2/2013, 6:01:08 PM

Rack 1, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3957b	ppb	0.6659	168.3	-24.7898
Al 308.215	18.5193b	ppb	2.0487	11.1	195.522
As 188.980	3.3636b	ppb	11.8773	353.1	-1.6143
B 249.678	42.6150b	ppb	0.6984	1.6	418.975
Ba 389.178	64.1984b	ppb	0.8421	1.3	1047.20
Be 313.042	-0.1381b	ppb	0.0120	8.7	3.1320
Ca 370.602	3123b	ppb	6.240	0.2	11910
Cd 226.502	-0.7966b	ppb	0.0765	9.6	12.8324
Co 228.615	-0.1864b	ppb	0.3876	207.9	-3.9886
Cr 267.716	-1.6704b	ppb	0.2123	12.7	7.1475
Cu 324.754	-0.8273b	ppb	0.3583	43.3	129.564
Fe 271.441	-42.7707b	ppb	7.0756	16.5	-6.2273
K 766.491	663.388b	ppb	1.7346	0.3	91811.6
Mg 279.078	619.330b	ppb	5.9357	1.0	780.109
Mn 257.610	59.7201b	ppb	0.1199	0.2	5937.11
Mo 202.032	-1.4289b	ppb	0.6369	44.6	0.0862
Na 330.237	118231xb	ppb	247.305	0.2	7705.94
Ni 231.604	-0.6405b	ppb	1.2566	196.2	2.3348
Pb 220.353	3.1609b	ppb	2.2542	71.3	5.4703
Sb 206.834	-0.2690b	ppb	2.7835	1034.9	1.9813
Se 196.026	1.1372b	ppb	7.4047	651.1	3.5529
Sn 189.925	-1.7137b	ppb	0.8794	51.3	0.4279
Sr 216.596	5.9184b	ppb	0.5172	8.7	39.7170
Ti 334.941	-0.6364b	ppb	0.0356	5.6	51.5878

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.0728b	ppb	3.2136	299.6	-1.1323
V 292.401	-0.7472b	ppb	0.0992	13.3	4.3572
Zn 206.200	-0.2841b	ppb	0.3584	126.1	14.7456

Cont Calib Verif (CCV) 4/2/2013, 6:06:34 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.278	ppb	4.7132	1.0	15257.8	98.45559
Al 308.215	4970.12	ppb	20.0429	0.4	14233.6	99.40232
As 188.980	487.001	ppb	1.9034	0.4	180.939	97.40021
B 249.678	514.535	ppb	2.0119	0.4	4495.85	20.58142Q
Ba 389.178	4878.80	ppb	11.4540	0.2	80507.9	97.57603
Be 313.042	486.609	ppb	1.5354	0.3	736497	97.32173
Ca 370.602	5017	ppb	13.89	0.3	18407	100.33685
Cd 226.502	481.427	ppb	1.9486	0.4	10804.1	96.28539
Co 228.615	487.845	ppb	1.5494	0.3	3874.19	97.56905
Cr 267.716	4893.92	ppb	7.7783	0.2	78339.8	97.87835
Cu 324.754	4837.54	ppb	26.0595	0.5	174930	96.75074
Fe 271.441	4976.70	ppb	16.4338	0.3	3788.79	99.53407
K 766.491	9932.26	ppb	17.8326	0.2	1277405	99.32256
Mg 279.078	4905.99	ppb	12.3099	0.3	5679.46	98.11983
Mn 257.610	5037.96	ppb	12.9353	0.3	477215	100.75923
Mo 202.032	496.900	ppb	2.8873	0.6	1718.06	99.38000
Na 330.237	7446.35	ppb	81.8055	1.1	485.346	99.28471
Ni 231.604	2443.21	ppb	8.3901	0.3	7111.29	97.72823
Pb 220.353	495.193	ppb	2.5856	0.5	410.959	99.03867
Sb 206.834	936.902	ppb	7.6567	0.8	643.314	37.47608Q
Se 196.026	4868.32	ppb	19.5918	0.4	1372.87	97.36646
Sn 189.925	4930.97	ppb	11.8706	0.2	3076.90	98.61942
Sr 216.596	2441.49	ppb	9.4419	0.4	14728.5	97.65955
Ti 334.941	498.600	ppb	1.5040	0.3	104565	99.71998
Tl 190.794	4969.97	ppb	11.5278	0.2	2329.87	99.39937
V 292.401	4962.89	ppb	14.7535	0.3	139308	99.25781
Zn 206.200	2428.16	ppb	8.7850	0.4	7472.58	97.12625

Cont Calib Blank (CCB) 4/2/2013, 6:12:01 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5557	ppb	0.7188	129.4	-20.0874	0.55565
Al 308.215	-43.4550	ppb	0.4839	1.1	22.9883	-43.45502
As 188.980	2.7791	ppb	7.1669	257.9	-1.7889	2.77915
B 249.678	0.3174	ppb	0.8962	282.3	53.0064	0.31745
Ba 389.178	0.5193	ppb	0.2992	57.6	-4.4527	0.51930
Be 313.042	-0.1856	ppb	0.0138	7.4	-58.5160	-0.18563
Ca 370.602	-50.73	ppb	1.743	3.4	-83.45	-50.73093
Cd 226.502	-0.7043	ppb	0.1033	14.7	15.2742	-0.70433
Co 228.615	-1.1193	ppb	0.2076	18.5	-11.4237	-1.11933
Cr 267.716	-1.0981	ppb	0.3796	34.6	15.5498	-1.09813
Cu 324.754	-0.8687	ppb	0.6691	77.0	136.635	-0.86871
Fe 271.441	-40.5319	ppb	6.0594	14.9	-4.6089	-40.53192Z
K 766.491	-36.7598	ppb	0.2513	0.7	2173.97	-36.75980

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-41.3194	ppb	1.6984	4.1	21.0430	-41.31936
Mn 257.610	-2.5469	ppb	0.0456	1.8	41.3204	-2.54693
Mo 202.032	-1.4534	ppb	0.7284	50.1	-0.0006	-1.45336
Na 330.237	-54.1526	ppb	58.1063	107.3	-1.3840	-54.15264
Ni 231.604	-1.5318	ppb	1.3774	89.9	-0.2805	-1.53178
Pb 220.353	-1.7738	ppb	2.6659	150.3	1.3547	-1.77381
Sb 206.834	1.7256	ppb	2.3317	135.1	3.2597	1.72555
Se 196.026	-10.1975	ppb	3.3715	33.1	0.3397	-10.19748Z
Sn 189.925	-4.0901	ppb	2.5628	62.7	-1.0725	-4.09014
Sr 216.596	-1.6116	ppb	0.3920	24.3	-6.1026	-1.61155
Ti 334.941	-0.6790	ppb	0.0218	3.2	-57.2312	-0.67903
Tl 190.794	2.0376	ppb	3.4106	167.4	-0.6510	2.03763
V 292.401	-0.4218	ppb	0.0523	12.4	14.6471	-0.42180
Zn 206.200	-3.8724	ppb	0.3287	8.5	3.6746	-3.87238

mb 680-270919/1-a (Samp)

4/2/2013, 6:17:27 PM

Rack 2, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1336	ppb	0.3651	273.2	-33.2068
Al 308.215	-25.6706	ppb	1.5869	6.2	72.4838
As 188.980	-4.2772	ppb	1.1464	26.8	-4.4409
B 249.678	-1.0176	ppb	0.4192	41.2	41.3782
Ba 389.178	-1.1096	ppb	1.3183	118.8	-31.2686
Be 313.042	-0.2122	ppb	0.0049	2.3	-98.8563
Ca 370.602	-32.75	ppb	2.571	7.9	-21.53
Cd 226.502	-0.9539	ppb	0.1042	10.9	9.7672
Co 228.615	-1.3481	ppb	0.1485	11.0	-13.2454
Cr 267.716	-0.9352	ppb	0.2468	26.4	18.1440
Cu 324.754	-1.2628	ppb	0.3277	26.0	122.373
Fe 271.441	-6.6585	ppb	4.0749	61.2	20.5946
K 766.491	-25.4618	ppb	1.0922	4.3	3621.20
Mg 279.078	-35.5018	ppb	1.4790	4.2	27.6102
Mn 257.610	-2.4173	ppb	0.0855	3.5	53.6514
Mo 202.032	-0.1574	ppb	0.6281	399.1	4.4897
Na 330.237	-122.982	ppb	43.7235	35.6	-5.8815
Ni 231.604	-0.5981	ppb	1.7944	300.0	2.4380
Pb 220.353	-2.4748	ppb	1.0945	44.2	0.7666
Sb 206.834	1.1658	ppb	2.5651	220.0	2.8660
Se 196.026	3.8722	ppb	2.0639	53.3	4.2949
Sn 189.925	11.5646	ppb	2.6759	23.1	8.6910
Sr 216.596	-1.5334	ppb	0.1922	12.5	-5.6511
Ti 334.941	-0.2663	ppb	0.0434	16.3	29.0094
Tl 190.794	4.3161	ppb	5.7459	133.1	0.4130
V 292.401	-0.8809	ppb	0.0916	10.4	1.6483
Zn 206.200	-0.2338	ppb	0.4699	201.0	14.8779

lcs 680-270919/2-a (Samp)

4/2/2013, 6:22:54 PM

Rack 2, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.7497	ppb	0.4275	2.9	421.847
Al 308.215	5257.06	ppb	25.0609	0.5	14786.9

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	106.993	ppb	4.3821	4.1	37.3159
B 249.678	192.627	ppb	0.8027	0.4	1704.97
Ba 389.178	108.277	ppb	1.3694	1.3	1789.63
Be 313.042	54.1190	ppb	0.2296	0.4	81841.5
Ca 370.602	5229	ppb	14.82	0.3	18946
Cd 226.502	53.2119	ppb	0.5200	1.0	1231.84
Co 228.615	53.2928	ppb	0.3770	0.7	420.493
Cr 267.716	107.943	ppb	0.7045	0.7	1758.23
Cu 324.754	106.368	ppb	0.6416	0.6	4000.05
Fe 271.441	5183.83	ppb	35.2367	0.7	3885.81
K 766.491	5178.74	ppb	19.7774	0.4	669997
Mg 279.078	5089.43	ppb	24.6615	0.5	5897.51
Mn 257.610	562.191	ppb	2.6494	0.5	53520.8
Mo 202.032	104.309	ppb	1.1557	1.1	365.902
Na 330.237	4826.46	ppb	78.1351	1.6	313.608
Ni 231.604	106.742	ppb	0.4186	0.4	315.027
Pb 220.353	48.3933	ppb	1.6985	3.5	42.4146
Sb 206.834	49.7987	ppb	5.4753	11.0	35.1196
Se 196.026	102.595	ppb	6.4397	6.3	32.1184
Sn 189.925	214.724	ppb	3.6909	1.7	135.404
Sr 216.596	104.020	ppb	1.0303	1.0	632.149
Ti 334.941	104.166	ppb	0.4918	0.5	21861.3
Tl 190.794	41.2081	ppb	6.5113	15.8	17.5170
V 292.401	104.663	ppb	0.5030	0.5	2942.35
Zn 206.200	102.636	ppb	0.0204	0.0	331.462

lcs 680-270919/3-a (Samp)

4/2/2013, 6:28:20 PM

Rack 2, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.883	ppb	1.8132	0.9	6301.86
Al 308.215	2177.85	ppb	29.9816	1.4	6219.54
As 188.980	202.098	ppb	4.1697	2.1	72.8412
B 249.678	375.528	ppb	2.7238	0.7	3253.64
Ba 389.178	200.620	ppb	1.7410	0.9	3359.42
Be 313.042	209.127	ppb	2.3413	1.1	315519
Ca 370.602	20623	ppb	222.7	1.1	74324
Cd 226.502	204.599	ppb	2.1627	1.1	4648.66
Co 228.615	207.486	ppb	3.3726	1.6	1644.86
Cr 267.716	209.933	ppb	2.5096	1.2	3383.55
Cu 324.754	209.016	ppb	3.2186	1.5	7675.98
Fe 271.441	20851.0	ppb	234.682	1.1	15550.3
K 766.491	19858.9	ppb	180.662	0.9	2549781
Mg 279.078	19909.5	ppb	203.870	1.0	22869.7
Mn 257.610	2155.73	ppb	24.5193	1.1	204425
Mo 202.032	204.066	ppb	1.2212	0.6	709.523
Na 330.237	18046.3	ppb	270.717	1.5	1167.11
Ni 231.604	208.573	ppb	0.9134	0.4	612.496
Pb 220.353	197.760	ppb	3.7471	1.9	167.187
Sb 206.834	189.845	ppb	1.3461	0.7	128.122
Se 196.026	184.869	ppb	12.0820	6.5	55.3619
Sn 189.925	210.894	ppb	1.3278	0.6	132.988
Sr 216.596	214.202	ppb	3.5508	1.7	1303.56
Ti 334.941	203.156	ppb	2.2850	1.1	42566.9

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	42.4141	ppb	3.8238	9.0	17.6364
V 292.401	205.912	ppb	2.7835	1.4	5763.83
Zn 206.200	190.198	ppb	3.7264	2.0	601.531

680-88612-a-19-b (Samp) **4/2/2013, 6:33:46 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1898	ppb	0.4634	244.2	-71.3270
Al 308.215	102941	ppb	143.674	0.1	286743
As 188.980	-2.8986	ppb	3.1146	107.5	-4.1457
B 249.678	16.8415	ppb	0.6328	3.8	-125.618
Ba 389.178	225.272	ppb	1.7444	0.8	3870.44
Be 313.042	1.5726	ppb	0.0150	1.0	2812.85
Ca 370.602	6293	ppb	7.891	0.1	-1358
Cd 226.502	-2.3909	ppb	0.3785	15.8	276.756
Co 228.615	10.2882	ppb	0.4714	4.6	98.4513
Cr 267.716	139.551	ppb	0.7951	0.6	2191.14
Cu 324.754	56.1252	ppb	0.3533	0.6	2228.52
Fe 271.441	139837	ppb	267.510	0.2	104071
K 766.491	3248.60	ppb	5.5585	0.2	422803
Mg 279.078	2775.34	ppb	2.5910	0.1	2765.30
Mn 257.610	436.894	ppb	0.6582	0.2	41815.8
Mo 202.032	1.8354	ppb	0.7613	41.5	-6.0843
Na 330.237	167.062	ppb	105.637	63.2	-61.0480
Ni 231.604	45.9494	ppb	1.5124	3.3	146.317
Pb 220.353	170.894	ppb	1.5157	0.9	133.606
Sb 206.834	2.0091	ppb	3.2629	162.4	6.0026
Se 196.026	10.6151	ppb	8.5790	80.8	3.7422
Sn 189.925	15.4878	ppb	5.6285	36.3	11.4444
Sr 216.596	16.5252	ppb	0.7674	4.6	169.962
Ti 334.941	1222.58	ppb	1.7993	0.1	255552
Tl 190.794	1.1609	ppb	7.4438	641.2	-6.8634
V 292.401	363.069	ppb	0.4864	0.1	10274.7
Zn 206.200	77.6751	ppb	0.2587	0.3	257.689

680-88612-a-20-b (Samp) **4/2/2013, 6:39:13 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3413	ppb	0.1617	4.8	-76.8503
Al 308.215	89325.6	ppb	309.623	0.3	248833
As 188.980	14.8863	ppb	6.1824	41.5	2.5445
B 249.678	13.0774	ppb	0.1010	0.8	-57.4788
Ba 389.178	1669.43	ppb	5.0777	0.3	27643.8
Be 313.042	6.7126	ppb	0.0245	0.4	10450.4
Ca 370.602	8510	ppb	12.39	0.1	15426
Cd 226.502	-1.6988	ppb	0.1326	7.8	200.751
Co 228.615	61.2251	ppb	0.6848	1.1	501.881
Cr 267.716	106.571	ppb	0.4548	0.4	1711.17
Cu 324.754	81.2965	ppb	0.1189	0.1	3116.10
Fe 271.441	96523.9	ppb	267.304	0.3	71845.7
K 766.491	3102.88	ppb	8.0091	0.3	403756

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3716.76	ppb	11.4972	0.3	3966.00
Mn 257.610	19749.5	ppb	30.2175	0.2	1869962
Mo 202.032	3.2150	ppb	0.8897	27.7	4.4747
Na 330.237	480.696	ppb	65.2378	13.6	-19.5842
Ni 231.604	46.1994	ppb	1.0439	2.3	144.436
Pb 220.353	1933.17	ppb	2.6098	0.1	1607.56
Sb 206.834	3.3391	ppb	4.3087	129.0	5.8482
Se 196.026	-3.4360	ppb	15.2479	443.8	4.4205
Sn 189.925	25.3110	ppb	4.5807	18.1	17.5334
Sr 216.596	43.4445	ppb	0.9396	2.2	312.875
Ti 334.941	1139.86	ppb	2.9543	0.3	238268
Tl 190.794	7.8969	ppb	5.4689	69.3	-1.9366
V 292.401	187.443	ppb	0.8693	0.5	5285.10
Zn 206.200	173.441	ppb	1.2629	0.7	551.610

680-88612-a-21-b (Samp) 4/2/2013, 6:46:05 PM Rack 2, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5647	ppb	0.3913	25.0	-113.888
Al 308.215	111222	ppb	44.3370	0.0	309794
As 188.980	20.5070	ppb	1.9978	9.7	4.6832
B 249.678	15.1931	ppb	0.1957	1.3	-167.933
Ba 389.178	307.468	ppb	0.3408	0.1	5241.55
Be 313.042	3.1218	ppb	0.0051	0.2	5122.97
Ca 370.602	3425	ppb	8.207	0.2	-14382
Cd 226.502	-2.2597	ppb	0.4203	18.6	306.199
Co 228.615	34.4144	ppb	0.5973	1.7	295.668
Cr 267.716	179.859	ppb	0.2060	0.1	2831.42
Cu 324.754	48.1157	ppb	0.3254	0.7	1950.66
Fe 271.441	152272	ppb	14.3413	0.0	113323
K 766.491	3650.75	ppb	1.0304	0.0	474276
Mg 279.078	3330.11	ppb	15.6118	0.5	3357.60
Mn 257.610	1342.29	ppb	1.4518	0.1	127542
Mo 202.032	1.4957	ppb	0.5847	39.1	-8.6864
Na 330.237	396.383	ppb	82.6635	20.9	-54.6044
Ni 231.604	45.1768	ppb	0.9831	2.2	144.817
Pb 220.353	83.1899	ppb	5.2072	6.3	59.3325
Sb 206.834	1.4029	ppb	3.5129	250.4	5.7213
Se 196.026	4.0493	ppb	17.6617	436.2	1.8357
Sn 189.925	13.7225	ppb	1.7967	13.1	10.4530
Sr 216.596	18.3852	ppb	0.6960	3.8	187.171
Ti 334.941	1609.34	ppb	0.8524	0.1	336361
Tl 190.794	-6.8997	ppb	3.2598	47.2	-10.9675
V 292.401	321.481	ppb	0.3440	0.1	9106.07
Zn 206.200	121.326	ppb	1.0328	0.9	392.245

680-88612-a-22-b (Samp) 4/2/2013, 6:51:33 PM Rack 2, Tube 9

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1965	ppb	0.2021	102.9	-63.8418
Al 308.215	72016.2	ppb	684.794	1.0	200642

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.8126	ppb	10.1425	266.0	-4.4092
B 249.678	8.5847	ppb	0.6001	7.0	-110.170
Ba 389.178	83.7011	ppb	1.0430	1.2	1488.83
Be 313.042	1.4119	ppb	0.0247	1.7	2472.80
Ca 370.602	3098	ppb	17.95	0.6	-6617
Cd 226.502	-2.0531	ppb	0.1893	9.2	203.218
Co 228.615	4.4928	ppb	0.3281	7.3	45.8597
Cr 267.716	89.5891	ppb	0.7918	0.9	1412.19
Cu 324.754	37.4175	ppb	0.5811	1.6	1549.38
Fe 271.441	102001	ppb	1047.54	1.0	75918.2
K 766.491	1521.69	ppb	10.3513	0.7	201710
Mg 279.078	1573.13	ppb	16.1927	1.0	1517.04
Mn 257.610	267.809	ppb	3.0949	1.2	25760.0
Mo 202.032	0.8435	ppb	0.8474	100.5	-4.7181
Na 330.237	262.732	ppb	22.9095	8.7	-34.1358
Ni 231.604	16.9760	ppb	1.3912	8.2	59.7453
Pb 220.353	38.1293	ppb	3.4490	9.0	26.2867
Sb 206.834	-0.9678	ppb	1.9171	198.1	3.4640
Se 196.026	2.2812	ppb	9.1565	401.4	2.0331
Sn 189.925	12.2002	ppb	5.8563	48.0	9.2932
Sr 216.596	9.0496	ppb	0.8790	9.7	107.233
Ti 334.941	797.151	ppb	7.9979	1.0	166655
Tl 190.794	-0.0456	ppb	2.2693	4972.4	-5.9474
V 292.401	201.079	ppb	2.0563	1.0	5707.34
Zn 206.200	41.5677	ppb	1.3748	3.3	145.759

680-88612-a-23-b (Samp)

4/2/2013, 6:57:00 PM

Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.2098	ppb	0.2961	7.0	-124.108
Al 308.215	93428.9	ppb	1460.54	1.6	260257
As 188.980	16.4696	ppb	9.2117	55.9	2.9401
B 249.678	14.4481	ppb	0.5991	4.1	-65.5144
Ba 389.178	1619.29	ppb	24.3353	1.5	26827.8
Be 313.042	6.6594	ppb	0.1123	1.7	10391.0
Ca 370.602	22646	ppb	256.6	1.1	67162
Cd 226.502	-1.6984	ppb	0.3200	18.8	219.027
Co 228.615	57.8553	ppb	1.3109	2.3	476.479
Cr 267.716	145.968	ppb	2.4569	1.7	2331.98
Cu 324.754	66.2812	ppb	1.5942	2.4	2537.91
Fe 271.441	105116	ppb	1633.28	1.6	78238.4
K 766.491	3313.32	ppb	40.3402	1.2	430717
Mg 279.078	4236.66	ppb	58.0178	1.4	4540.40
Mn 257.610	15562.1	ppb	211.191	1.4	1473577
Mo 202.032	5.1492	ppb	1.9540	37.9	10.0681
Na 330.237	395.688	ppb	53.1702	13.4	-29.8805
Ni 231.604	44.4362	ppb	1.1998	2.7	139.850
Pb 220.353	342.934	ppb	9.5856	2.8	278.531
Sb 206.834	0.9664	ppb	2.3132	239.4	4.8574
Se 196.026	4.2473	ppb	2.0059	47.2	5.6488
Sn 189.925	15.2826	ppb	2.2435	14.7	11.2496
Sr 216.596	51.0215	ppb	1.0701	2.1	363.654
Ti 334.941	1230.93	ppb	18.3005	1.5	257314

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	7.4524	ppb	7.2302	97.0	-2.6028
V 292.401	213.907	ppb	3.4515	1.6	6037.95
Zn 206.200	126.610	ppb	2.7565	2.2	407.512

680-88612-a-24-b (Samp) **4/2/2013, 7:02:28 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2198	ppb	0.0964	4.3	-128.141
Al 308.215	119688	ppb	456.690	0.4	333365
As 188.980	11.8013	ppb	8.4342	71.5	1.3781
B 249.678	15.3852	ppb	0.3344	2.2	-141.384
Ba 389.178	371.266	ppb	2.4989	0.7	6282.63
Be 313.042	4.0512	ppb	0.0178	0.4	6516.00
Ca 370.602	6002	ppb	7.907	0.1	-2658
Cd 226.502	-2.2685	ppb	0.3171	14.0	284.086
Co 228.615	43.8052	ppb	1.1899	2.7	371.516
Cr 267.716	142.552	ppb	0.1760	0.1	2241.41
Cu 324.754	52.4894	ppb	0.1956	0.4	2096.54
Fe 271.441	141535	ppb	565.209	0.4	105335
K 766.491	4072.20	ppb	7.5734	0.2	528227
Mg 279.078	3962.65	ppb	19.8148	0.5	4120.46
Mn 257.610	2334.49	ppb	9.2269	0.4	221458
Mo 202.032	1.4062	ppb	0.9939	70.7	-7.4657
Na 330.237	293.076	ppb	9.4803	3.2	-57.0478
Ni 231.604	50.7643	ppb	0.7246	1.4	160.446
Pb 220.353	94.7593	ppb	1.6767	1.8	68.1938
Sb 206.834	0.7126	ppb	1.5088	211.7	4.5337
Se 196.026	4.3186	ppb	14.0929	326.3	2.3700
Sn 189.925	14.3577	ppb	1.7454	12.2	10.8632
Sr 216.596	26.4410	ppb	1.7259	6.5	231.092
Ti 334.941	1712.04	ppb	6.7184	0.4	357821
Tl 190.794	2.0642	ppb	2.5269	122.4	-6.3692
V 292.401	306.302	ppb	1.3357	0.4	8677.86
Zn 206.200	120.953	ppb	2.1665	1.8	390.996

680-88612-a-25-b (Samp) **4/2/2013, 7:07:56 PM** **Rack 2, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5813	ppb	1.8032	310.2	-117.955
Al 308.215	142032	ppb	238.042	0.2	395565
As 188.980	-51.8634	ppb	5.7402	11.1	-22.9003
B 249.678	35.4403	ppb	1.4179	4.0	-838.467
Ba 389.178	251.089	ppb	0.7231	0.3	4735.80
Be 313.042	2.6214	ppb	0.0091	0.3	4744.91
Ca 370.602	5604	ppb	34.77	0.6	-72796
Cd 226.502	-5.3900	ppb	0.0753	1.4	1006.53
Co 228.615	3.4073	ppb	1.1307	33.2	58.5669
Cr 267.716	420.899	ppb	1.3574	0.3	6487.98
Cu 324.754	137.388	ppb	0.7534	0.5	5324.16
Fe 271.441	519590	ppb	239.270	0.0	386619
K 766.491	2919.39	ppb	3.2756	0.1	380629

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3103.09	ppb	13.0723	0.4	1806.63
Mn 257.610	868.100	ppb	0.3207	0.0	83065.2
Mo 202.032	2.7829	ppb	1.6898	60.7	-52.6911
Na 330.237	352.501	ppb	96.4457	27.4	-231.142
Ni 231.604	13.9911	ppb	2.2377	16.0	76.2065
Pb 220.353	69.7803	ppb	11.4115	16.4	42.5183
Sb 206.834	1.4382	ppb	3.5924	249.8	16.2764
Se 196.026	21.0271	ppb	14.4711	68.8	-1.0600
Sn 189.925	21.2349	ppb	0.9369	4.4	15.2547
Sr 216.596	18.3458	ppb	0.3259	1.8	361.279
Ti 334.941	1839.35	ppb	0.1084	0.0	384453
Tl 190.794	-8.9845	ppb	1.7875	19.9	-26.8921
V 292.401	960.662	ppb	0.4766	0.0	27159.9
Zn 206.200	67.7185	ppb	0.8228	1.2	235.200

Cont Calib Verif (CCV)

4/2/2013, 7:13:23 PM

Rack 2, Tube 13

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.815	ppb	1.3648	0.3	15367.7	99.16298
Al 308.215	5005.03	ppb	3.2695	0.1	14332.1	100.10052
As 188.980	486.099	ppb	4.0563	0.8	180.603	97.21971
B 249.678	511.380	ppb	1.5497	0.3	4468.47	20.45518Q
Ba 389.178	4901.96	ppb	9.5268	0.2	80890.2	98.03928
Be 313.042	488.654	ppb	0.4795	0.1	739594	97.73078
Ca 370.602	5045	ppb	5.817	0.1	18508	100.90385
Cd 226.502	482.128	ppb	0.5638	0.1	10819.8	96.42554
Co 228.615	489.500	ppb	1.3820	0.3	3887.36	97.90002
Cr 267.716	4912.49	ppb	8.6087	0.2	78636.9	98.24979
Cu 324.754	4794.05	ppb	3.4211	0.1	173358	95.88091
Fe 271.441	5013.87	ppb	19.5807	0.4	3816.71	100.27748
K 766.491	9979.90	ppb	21.2403	0.2	1283499	99.79897
Mg 279.078	4912.53	ppb	7.4928	0.2	5686.78	98.25055
Mn 257.610	5061.08	ppb	7.6252	0.2	479403	101.22151
Mo 202.032	500.484	ppb	1.5821	0.3	1730.43	100.09676
Na 330.237	7385.28	ppb	40.2907	0.5	481.343	98.47042
Ni 231.604	2449.72	ppb	4.1692	0.2	7130.23	97.98862
Pb 220.353	500.599	ppb	3.3966	0.7	415.451	100.11983
Sb 206.834	942.352	ppb	9.3859	1.0	647.022	37.69406Q
Se 196.026	4881.50	ppb	23.5602	0.5	1376.58	97.62991
Sn 189.925	4941.09	ppb	21.0709	0.4	3083.21	98.82174
Sr 216.596	2451.65	ppb	4.0002	0.2	14789.9	98.06596
Ti 334.941	500.763	ppb	0.9551	0.2	105019	100.15262
Tl 190.794	4988.51	ppb	25.9614	0.5	2338.57	99.77026
V 292.401	4988.99	ppb	4.2491	0.1	140041	99.77985
Zn 206.200	2436.13	ppb	2.9597	0.1	7497.05	97.44518

Cont Calib Blank (CCB)

4/2/2013, 7:18:49 PM

Rack 2, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5823	ppb	0.2955	50.7	-19.2569	0.58231
Al 308.215	-38.3564	ppb	0.9661	2.5	37.1838	-38.35640

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.3578	ppb	6.8002	202.5	-1.5717	3.35782
B 249.678	-0.1145	ppb	0.3891	339.7	49.2674	-0.11454
Ba 389.178	-0.5860	ppb	0.9785	167.0	-22.6798	-0.58596
Be 313.042	-0.1741	ppb	0.0085	4.9	-41.2028	-0.17411
Ca 370.602	-49.76	ppb	2.037	4.1	-79.92	-49.75718
Cd 226.502	-0.9061	ppb	0.2516	27.8	10.7661	-0.90608
Co 228.615	-1.1763	ppb	0.3475	29.5	-11.8787	-1.17629
Cr 267.716	-1.1811	ppb	0.3643	30.8	14.2230	-1.18109
Cu 324.754	-1.2229	ppb	0.2067	16.9	123.840	-1.22287
Fe 271.441	-38.6709	ppb	7.6023	19.7	-3.2199	-38.67094Z
K 766.491	-36.4508	ppb	0.3772	1.0	2213.85	-36.45084
Mg 279.078	-41.8537	ppb	5.0629	12.1	20.4256	-41.85374
Mn 257.610	-2.4229	ppb	0.0561	2.3	53.0721	-2.42286
Mo 202.032	-1.3641	ppb	0.1434	10.5	0.3089	-1.36408
Na 330.237	38.4820	ppb	48.0801	124.9	4.6513	38.48200
Ni 231.604	-0.7170	ppb	0.7415	103.4	2.0876	-0.71700
Pb 220.353	-1.5559	ppb	2.2486	144.5	1.5365	-1.55590
Sb 206.834	0.0449	ppb	3.3705	7498.9	2.1579	0.04495
Se 196.026	-2.5712	ppb	8.9897	349.6	2.4839	-2.57117
Sn 189.925	0.0878	ppb	1.5842	1803.6	1.5332	0.08783
Sr 216.596	-1.1650	ppb	0.5353	45.9	-3.4213	-1.16499
Ti 334.941	-0.6027	ppb	0.0601	10.0	-41.3109	-0.60270
Tl 190.794	0.7055	ppb	0.4055	57.5	-1.2745	0.70548
V 292.401	-0.4431	ppb	0.1718	38.8	14.0350	-0.44311
Zn 206.200	-3.6796	ppb	0.7174	19.5	4.2696	-3.67960

680-88612-a-26-b (Samp)

4/2/2013, 7:24:16 PM

Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2125	ppb	0.5509	45.4	-103.612
Al 308.215	78648.1	ppb	1183.13	1.5	219103
As 188.980	337.236	ppb	9.4704	2.8	123.076
B 249.678	30.6078	ppb	0.5895	1.9	-40.7095
Ba 389.178	1033.15	ppb	13.1195	1.3	17234.9
Be 313.042	3.2556	ppb	0.0578	1.8	5294.05
Ca 370.602	46212	ppb	458.7	1.0	146997
Cd 226.502	-1.1579	ppb	0.1899	16.4	334.606
Co 228.615	40.7935	ppb	0.8414	2.1	370.625
Cr 267.716	125.365	ppb	1.6239	1.3	1960.96
Cu 324.754	315.471	ppb	4.5329	1.4	11489.3
Fe 271.441	155133	ppb	1864.59	1.2	115452
K 766.491	19071.8	ppb	184.725	1.0	2448768
Mg 279.078	14046.7	ppb	224.684	1.6	15660.2
Mn 257.610	2708.91	ppb	29.1775	1.1	256959
Mo 202.032	6.2517	ppb	1.8248	29.2	7.1408
Na 330.237	354.088	ppb	143.787	40.6	-70.1624
Ni 231.604	67.5065	ppb	0.4220	0.6	210.299
Pb 220.353	1254.70	ppb	15.1240	1.2	1041.54
Sb 206.834	13.3263	ppb	6.7485	50.6	10.5901
Se 196.026	7.4707	ppb	9.5790	128.2	3.0945
Sn 189.925	102.172	ppb	1.0277	1.0	65.8869
Sr 216.596	395.605	ppb	5.6212	1.4	2479.23
Ti 334.941	3345.45	ppb	41.3434	1.2	699142

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-8.6134	ppb	9.1533	106.3	-10.8684
V 292.401	256.946	ppb	3.3323	1.3	7305.75
Zn 206.200	644.547	ppb	7.0336	1.1	2003.71

680-88612-a-27-b (Samp) **4/2/2013, 7:29:42 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6080	ppb	0.1836	30.2	-82.3193
Al 308.215	81638.4	ppb	188.571	0.2	227433
As 188.980	99.3517	ppb	1.8139	1.8	33.4399
B 249.678	29.2367	ppb	0.8926	3.1	-61.9838
Ba 389.178	770.212	ppb	3.1327	0.4	12883.9
Be 313.042	2.5417	ppb	0.0132	0.5	4284.05
Ca 370.602	64824	ppb	164.4	0.3	216380
Cd 226.502	-1.4942	ppb	0.1587	10.6	335.275
Co 228.615	19.8866	ppb	0.7709	3.9	176.599
Cr 267.716	189.558	ppb	0.6033	0.3	2983.18
Cu 324.754	132.799	ppb	1.1975	0.9	4848.73
Fe 271.441	158918	ppb	423.512	0.3	118268
K 766.491	3169.24	ppb	2.1735	0.1	412494
Mg 279.078	4075.74	ppb	14.2761	0.4	4190.29
Mn 257.610	1856.10	ppb	5.1096	0.3	176188
Mo 202.032	3.0230	ppb	0.3477	11.5	-4.7064
Na 330.237	774.996	ppb	121.225	15.6	-30.6635
Ni 231.604	41.8227	ppb	0.6218	1.5	135.491
Pb 220.353	605.861	ppb	4.8904	0.8	499.105
Sb 206.834	1.6003	ppb	7.6972	481.0	7.0600
Se 196.026	4.8779	ppb	24.2605	497.4	2.1255
Sn 189.925	31.6487	ppb	0.6154	1.9	21.3284
Sr 216.596	311.982	ppb	0.7178	0.2	1975.24
Ti 334.941	1318.58	ppb	3.0509	0.2	275676
Tl 190.794	-2.6746	ppb	8.5149	318.4	-9.7157
V 292.401	358.772	ppb	1.2873	0.4	10152.3
Zn 206.200	301.301	ppb	1.4517	0.5	946.474

680-88612-a-28-b (Samp) **4/2/2013, 7:35:08 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8606	ppb	0.7075	82.2	-95.7792
Al 308.215	112422	ppb	157.321	0.1	313135
As 188.980	12.1531	ppb	4.7892	39.4	1.4751
B 249.678	18.1394	ppb	1.0395	5.7	-164.338
Ba 389.178	195.203	ppb	0.2094	0.1	3397.09
Be 313.042	2.3053	ppb	0.0039	0.2	3914.03
Ca 370.602	7749	ppb	13.28	0.2	228.0
Cd 226.502	-2.4675	ppb	0.1706	6.9	321.136
Co 228.615	15.3744	ppb	0.8333	5.4	142.348
Cr 267.716	180.476	ppb	0.3413	0.2	2835.20
Cu 324.754	59.2770	ppb	0.5670	1.0	2346.77
Fe 271.441	161651	ppb	60.6912	0.0	120301
K 766.491	3027.54	ppb	2.3044	0.1	394505

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	1482.71	ppb	7.7614	0.5	1202.97
Mn 257.610	740.427	ppb	0.4266	0.1	70572.5
Mo 202.032	5.0950	ppb	0.7949	15.6	2.5335
Na 330.237	79.4547	ppb	110.393	138.9	-78.5334
Ni 231.604	37.6191	ppb	1.2649	3.4	123.346
Pb 220.353	69.1660	ppb	5.6334	8.1	47.4240
Sb 206.834	1.7828	ppb	3.8893	218.2	6.4416
Se 196.026	0.1409	ppb	10.5352	7476.7	0.4309
Sn 189.925	14.6971	ppb	3.4102	23.2	11.0074
Sr 216.596	28.3395	ppb	0.1541	0.5	252.417
Ti 334.941	1454.36	ppb	0.7436	0.1	303985
Tl 190.794	-5.0682	ppb	2.6023	51.3	-10.6556
V 292.401	356.426	ppb	0.6163	0.2	10090.4
Zn 206.200	110.082	ppb	0.2269	0.2	357.788

680-88612-a-29-b (Samp)

4/2/2013, 7:40:35 PM

Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1533	ppb	0.0328	21.4	-60.7240
Al 308.215	92106.7	ppb	1532.59	1.7	256578
As 188.980	1.6179	ppb	10.6154	656.1	-2.3607
B 249.678	10.7859	ppb	0.5979	5.5	-57.9432
Ba 389.178	81.1588	ppb	1.1740	1.4	1429.87
Be 313.042	1.3049	ppb	0.0365	2.8	2320.44
Ca 370.602	3781	ppb	7.210	0.2	-1423
Cd 226.502	-1.7974	ppb	0.2218	12.3	180.032
Co 228.615	4.4734	ppb	0.4081	9.1	45.6334
Cr 267.716	89.6860	ppb	1.4115	1.6	1421.22
Cu 324.754	31.4976	ppb	0.6346	2.0	1326.72
Fe 271.441	87601.9	ppb	1504.45	1.7	65205.2
K 766.491	1641.31	ppb	21.2075	1.3	217029
Mg 279.078	1316.16	ppb	18.2676	1.4	1272.79
Mn 257.610	64.2383	ppb	1.1344	1.8	6472.87
Mo 202.032	1.6189	ppb	0.3165	19.6	0.0838
Na 330.237	123.314	ppb	173.749	140.9	-36.5520
Ni 231.604	15.9452	ppb	0.7716	4.8	55.8794
Pb 220.353	44.6308	ppb	2.5890	5.8	29.6438
Sb 206.834	3.6956	ppb	3.0772	83.3	6.1048
Se 196.026	3.5370	ppb	10.3894	293.7	2.7184
Sn 189.925	10.2882	ppb	4.8050	46.7	8.0984
Sr 216.596	11.6865	ppb	1.2205	10.4	116.880
Ti 334.941	808.704	ppb	13.6794	1.7	169070
Tl 190.794	-2.7099	ppb	4.1868	154.5	-6.7890
V 292.401	212.994	ppb	3.4630	1.6	6040.18
Zn 206.200	40.6129	ppb	0.5518	1.4	142.460

680-88612-a-30-d (Samp)

4/2/2013, 7:46:01 PM

Rack 2, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7334	ppb	0.3310	19.1	1.7215
Al 308.215	78656.5	ppb	1227.52	1.6	219130

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	34.9889	ppb	9.3938	26.8	8.6265
B 249.678	34.0100	ppb	0.8173	2.4	161.882
Ba 389.178	758.537	ppb	11.2477	1.5	12606.8
Be 313.042	2.0756	ppb	0.0430	2.1	3483.09
Ca 370.602	113985	ppb	1622	1.4	416524
Cd 226.502	3.6386	ppb	0.3121	8.6	283.816
Co 228.615	15.2876	ppb	0.5537	3.6	140.893
Cr 267.716	93.7029	ppb	1.1840	1.3	1492.02
Cu 324.754	242.508	ppb	4.0020	1.7	8647.14
Fe 271.441	79554.8	ppb	1123.27	1.4	59218.1
K 766.491	3833.44	ppb	45.2675	1.2	497551
Mg 279.078	8096.51	ppb	123.530	1.5	9090.74
Mn 257.610	1204.50	ppb	17.2179	1.4	114429
Mo 202.032	2.6415	ppb	0.5014	19.0	4.5945
Na 330.237	543.293	ppb	129.555	23.8	-7.9489
Ni 231.604	41.1216	ppb	1.1719	2.8	128.843
Pb 220.353	1480.10	ppb	24.5684	1.7	1230.30
Sb 206.834	6.0826	ppb	2.3544	38.7	7.3859
Se 196.026	4.6118	ppb	12.9783	281.4	3.7552
Sn 189.925	76.4454	ppb	2.7046	3.5	49.1039
Sr 216.596	263.986	ppb	4.6089	1.7	1648.52
Ti 334.941	1473.52	ppb	20.0581	1.4	308092
Tl 190.794	-1.9051	ppb	4.2776	224.5	-6.5771
V 292.401	167.797	ppb	2.3846	1.4	4769.71
Zn 206.200	1375.48	ppb	22.8743	1.7	4252.10

680-88612-a-30-dSD^5 (Samp) 4/2/2013, 7:51:28 PM Rack 2, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5534	ppb	0.5187	93.7	-23.2533
Al 308.215	16164.4	ppb	318.909	2.0	45146.9
As 188.980	8.7154	ppb	7.6044	87.3	0.0948
B 249.678	6.2156	ppb	0.4392	7.1	65.6668
Ba 389.178	159.120	ppb	3.5071	2.2	2634.36
Be 313.042	0.2673	ppb	0.0128	4.8	651.764
Ca 370.602	23360	ppb	424.0	1.8	85375
Cd 226.502	-0.0819	ppb	0.1137	138.9	65.1930
Co 228.615	2.6533	ppb	0.0306	1.2	23.1555
Cr 267.716	18.2435	ppb	0.5670	3.1	316.538
Cu 324.754	49.7577	ppb	1.5143	3.0	1907.86
Fe 271.441	16679.0	ppb	335.940	2.0	12435.5
K 766.491	707.818	ppb	12.4339	1.8	97475.0
Mg 279.078	1698.99	ppb	37.1857	2.2	1961.68
Mn 257.610	252.720	ppb	5.0589	2.0	24232.0
Mo 202.032	0.5881	ppb	0.6949	118.2	5.0559
Na 330.237	30.2221	ppb	174.593	577.7	-5.4404
Ni 231.604	7.3891	ppb	0.7397	10.0	26.7299
Pb 220.353	313.634	ppb	9.9132	3.2	262.989
Sb 206.834	4.6965	ppb	6.6125	140.8	5.4469
Se 196.026	-2.6690	ppb	3.9291	147.2	2.2968
Sn 189.925	15.6600	ppb	1.8852	12.0	11.2365
Sr 216.596	53.5860	ppb	2.1862	4.1	337.824
Ti 334.941	309.298	ppb	5.6875	1.8	64736.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.9695	ppb	9.6273	993.0	-2.9070
V 292.401	34.7413	ppb	0.9821	2.8	1008.50
Zn 206.200	289.773	ppb	5.5965	1.9	908.104

680-88612-a-30-dPDS (Samp) **4/2/2013, 7:56:55 PM** **Rack 2, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8429	ppb	0.3297	0.7	1496.26
Al 308.215	78592.8	ppb	2247.57	2.9	218987
As 188.980	2034.03	ppb	45.3353	2.2	759.837
B 249.678	973.479	ppb	25.5462	2.6	8298.51
Ba 389.178	2770.85	ppb	72.3831	2.6	45812.6
Be 313.042	52.4607	ppb	1.4990	2.9	79658.4
Ca 370.602	115963	ppb	2937	2.5	424330
Cd 226.502	53.0297	ppb	1.6357	3.1	1385.53
Co 228.615	520.593	ppb	12.5585	2.4	4159.26
Cr 267.716	294.579	ppb	6.9813	2.4	4706.27
Cu 324.754	490.766	ppb	21.1686	4.3	17606.8
Fe 271.441	78368.8	ppb	2104.08	2.7	58363.4
K 766.491	9150.85	ppb	194.178	2.1	1177911
Mg 279.078	12727.3	ppb	342.264	2.7	14415.3
Mn 257.610	1694.37	ppb	43.3203	2.6	160821
Mo 202.032	498.483	ppb	12.1428	2.4	1723.06
Na 330.237	5327.22	ppb	224.134	4.2	298.450
Ni 231.604	533.617	ppb	15.7926	3.0	1561.68
Pb 220.353	1928.05	ppb	49.0377	2.5	1603.58
Sb 206.834	477.379	ppb	3.5368	0.7	311.139
Se 196.026	1931.51	ppb	42.7166	2.2	545.658
Sn 189.925	1042.44	ppb	26.0763	2.5	651.794
Sr 216.596	749.495	ppb	19.2983	2.6	4569.04
Ti 334.941	2398.05	ppb	66.6441	2.8	501276
Tl 190.794	1963.73	ppb	50.8239	2.6	914.758
V 292.401	651.234	ppb	17.3719	2.7	18257.0
Zn 206.200	1826.22	ppb	44.5598	2.4	5639.14

680-88612-a-30-e ms (Samp) **4/2/2013, 8:02:23 PM** **Rack 2, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.9181	ppb	0.3051	2.0	415.587
Al 308.215	76357.8	ppb	364.118	0.5	212737
As 188.980	115.884	ppb	7.6757	6.6	39.1862
B 249.678	191.067	ppb	0.7373	0.4	1517.06
Ba 389.178	801.225	ppb	3.6767	0.5	13319.7
Be 313.042	51.7619	ppb	0.2689	0.5	78416.1
Ca 370.602	103657	ppb	462.5	0.4	377170
Cd 226.502	53.4495	ppb	0.2274	0.4	1400.72
Co 228.615	66.1453	ppb	0.4630	0.7	537.265
Cr 267.716	184.911	ppb	1.0535	0.6	2950.96
Cu 324.754	369.029	ppb	3.0607	0.8	13251.7
Fe 271.441	81236.0	ppb	426.729	0.5	60472.1
K 766.491	9167.68	ppb	38.2790	0.4	1180596

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	11279.7	ppb	54.5420	0.5	12741.4
Mn 257.610	1946.22	ppb	10.8307	0.6	184647
Mo 202.032	89.1287	ppb	0.9542	1.1	304.032
Na 330.237	5363.92	ppb	96.8691	1.8	308.854
Ni 231.604	149.892	ppb	1.3663	0.9	445.315
Pb 220.353	1492.08	ppb	7.4893	0.5	1240.33
Sb 206.834	23.6776	ppb	0.6037	2.5	19.9765
Se 196.026	79.5134	ppb	4.3656	5.5	24.9017
Sn 189.925	261.775	ppb	2.0421	0.8	164.620
Sr 216.596	326.461	ppb	1.0742	0.3	2022.53
Ti 334.941	1033.76	ppb	5.3560	0.5	216204
Tl 190.794	33.9981	ppb	8.5909	25.3	10.0877
V 292.401	267.523	ppb	1.3126	0.5	7545.88
Zn 206.200	1594.31	ppb	9.1470	0.6	4925.59

680-88612-a-30-f msd (Samp) 4/2/2013, 8:07:50 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.5347	ppb	0.8307	4.7	493.431
Al 308.215	80962.5	ppb	1270.03	1.6	225555
As 188.980	132.298	ppb	5.8993	4.5	44.5596
B 249.678	204.315	ppb	1.5446	0.8	1569.93
Ba 389.178	1186.37	ppb	19.1772	1.6	19705.3
Be 313.042	54.9941	ppb	0.9301	1.7	83314.8
Ca 370.602	157900	ppb	2246	1.4	577278
Cd 226.502	53.6722	ppb	1.4996	2.8	1462.35
Co 228.615	79.7740	ppb	1.0776	1.4	650.906
Cr 267.716	193.172	ppb	3.1257	1.6	3069.62
Cu 324.754	340.227	ppb	2.4670	0.7	12072.8
Fe 271.441	108223	ppb	1882.47	1.7	80551.9
K 766.491	11150.6	ppb	147.338	1.3	1434401
Mg 279.078	11941.5	ppb	159.324	1.3	13406.1
Mn 257.610	2565.17	ppb	45.1396	1.8	243275
Mo 202.032	95.1545	ppb	1.8043	1.9	321.447
Na 330.237	5619.95	ppb	177.724	3.2	309.945
Ni 231.604	148.561	ppb	2.5381	1.7	443.072
Pb 220.353	1237.20	ppb	19.5371	1.6	1026.74
Sb 206.834	26.0911	ppb	4.8220	18.5	22.2370
Se 196.026	93.6482	ppb	11.5600	12.3	28.6227
Sn 189.925	260.723	ppb	5.9152	2.3	163.851
Sr 216.596	940.509	ppb	16.9560	1.8	5766.28
Ti 334.941	1386.15	ppb	24.0333	1.7	289890
Tl 190.794	26.7382	ppb	4.5777	17.1	5.2682
V 292.401	290.162	ppb	4.6285	1.6	8188.47
Zn 206.200	1307.36	ppb	20.5656	1.6	4042.81

680-88612-a-31-b (Samp) 4/2/2013, 8:13:18 PM Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3397	ppb	0.5935	174.7	-64.8828
Al 308.215	73620.7	ppb	1047.55	1.4	205110

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.8077	ppb	4.6399	121.9	-1.5830
B 249.678	14.5131	ppb	0.8429	5.8	-27.2573
Ba 389.178	1429.92	ppb	21.3742	1.5	23680.0
Be 313.042	1.2455	ppb	0.0330	2.6	2216.56
Ca 370.602	6870	ppb	41.84	0.6	10128
Cd 226.502	-1.4506	ppb	0.2886	19.9	188.029
Co 228.615	3.6050	ppb	0.1577	4.4	38.2656
Cr 267.716	88.4780	ppb	1.2177	1.4	1401.98
Cu 324.754	41.2004	ppb	0.2648	0.6	1670.33
Fe 271.441	88344.8	ppb	1353.96	1.5	65757.8
K 766.491	2147.51	ppb	25.0756	1.2	281486
Mg 279.078	1760.03	ppb	19.0864	1.1	1779.90
Mn 257.610	413.161	ppb	6.0590	1.5	39503.9
Mo 202.032	1.8114	ppb	0.5336	29.5	0.4662
Na 330.237	239.739	ppb	100.106	41.8	-28.5814
Ni 231.604	16.9562	ppb	0.7869	4.6	58.8692
Pb 220.353	363.732	ppb	9.5721	2.6	298.184
Sb 206.834	3.7513	ppb	6.0413	161.0	6.3281
Se 196.026	-0.9803	ppb	11.9454	1218.6	1.4514
Sn 189.925	16.1383	ppb	1.6384	10.2	11.7134
Sr 216.596	52.0660	ppb	0.3488	0.7	362.149
Ti 334.941	721.612	ppb	11.0758	1.5	150876
Tl 190.794	-1.8371	ppb	1.6977	92.4	-6.3278
V 292.401	190.797	ppb	2.6082	1.4	5413.95
Zn 206.200	84.2927	ppb	1.4082	1.7	276.971

Cont Calib Verif (CCV)

4/2/2013, 8:18:46 PM

Rack 2, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.365	ppb	0.5971	0.1	15384.8	99.27299
Al 308.215	4953.45	ppb	16.6508	0.3	14187.2	99.06905
As 188.980	488.620	ppb	4.8301	1.0	181.549	97.72405
B 249.678	508.722	ppb	1.1373	0.2	4445.50	20.34888Q
Ba 389.178	4890.74	ppb	10.6994	0.2	80704.9	97.81483
Be 313.042	487.501	ppb	0.9472	0.2	737841	97.50017
Ca 370.602	5030	ppb	11.80	0.2	18454	100.60032
Cd 226.502	482.530	ppb	0.2939	0.1	10828.8	96.50607
Co 228.615	489.062	ppb	0.8698	0.2	3883.84	97.81239
Cr 267.716	4920.17	ppb	4.8439	0.1	78760.0	98.40334
Cu 324.754	4819.76	ppb	24.6974	0.5	174288	96.39523
Fe 271.441	4992.65	ppb	7.4461	0.1	3800.60	99.85300
K 766.491	9939.64	ppb	20.2569	0.2	1278349	99.39639
Mg 279.078	4875.84	ppb	20.0092	0.4	5644.75	97.51682
Mn 257.610	5054.45	ppb	5.7051	0.1	478775	101.08891
Mo 202.032	497.187	ppb	2.5986	0.5	1719.05	99.43735
Na 330.237	7463.46	ppb	76.3161	1.0	486.461	99.51286
Ni 231.604	2443.45	ppb	8.0610	0.3	7112.03	97.73817
Pb 220.353	495.629	ppb	1.8532	0.4	411.314	99.12575
Sb 206.834	938.622	ppb	2.2447	0.2	644.532	37.54490Q
Se 196.026	4872.84	ppb	12.4702	0.3	1374.14	97.45673
Sn 189.925	4947.41	ppb	18.4042	0.4	3087.15	98.94817
Sr 216.596	2444.88	ppb	1.7212	0.1	14749.1	97.79519
Ti 334.941	498.963	ppb	0.4046	0.1	104642	99.79259

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4988.18	ppb	5.0354	0.1	2338.39	99.76354
V 292.401	4959.95	ppb	12.6928	0.3	139224	99.19909
Zn 206.200	2436.19	ppb	2.5265	0.1	7497.29	97.44762

Cont Calib Blank (CCB)

4/2/2013, 8:24:13 PM

Rack 2, Tube 26

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0433	ppb	0.3723	859.3	-36.0043	0.04333
Al 308.215	-37.9213	ppb	2.5039	6.6	38.4003	-37.92134
As 188.980	1.6245	ppb	2.0160	124.1	-2.2231	1.62447
B 249.678	-0.6663	ppb	0.8781	131.8	44.5017	-0.66627
Ba 389.178	0.2441	ppb	0.9912	406.1	-8.9910	0.24407
Be 313.042	-0.1798	ppb	0.0033	1.8	-49.6915	-0.17977
Ca 370.602	-52.00	ppb	3.892	7.5	-87.94	-51.99593
Cd 226.502	-0.6051	ppb	0.1277	21.1	17.4888	-0.60513
Co 228.615	-1.0864	ppb	0.2743	25.3	-11.1656	-1.08641
Cr 267.716	-0.9226	ppb	0.2153	23.3	18.3612	-0.92256
Cu 324.754	-1.0882	ppb	0.0665	6.1	128.715	-1.08824
Fe 271.441	-40.2323	ppb	6.3105	15.7	-4.3756	-40.23229Z
K 766.491	-36.2533	ppb	0.1047	0.3	2238.93	-36.25327
Mg 279.078	-40.6217	ppb	5.3237	13.1	21.8500	-40.62172
Mn 257.610	-2.4950	ppb	0.0230	0.9	46.2363	-2.49503
Mo 202.032	-1.6940	ppb	0.4411	26.0	-0.8347	-1.69396
Na 330.237	-49.0461	ppb	126.634	258.2	-1.0498	-49.04608
Ni 231.604	0.0946	ppb	1.0585	1119.4	4.4469	0.09456
Pb 220.353	1.1568	ppb	1.2312	106.4	3.8026	1.15678
Sb 206.834	2.7700	ppb	2.6841	96.9	3.9329	2.77001
Se 196.026	1.3566	ppb	3.6111	266.2	3.5882	1.35662
Sn 189.925	-3.1590	ppb	2.3199	73.4	-0.4918	-3.15903
Sr 216.596	-1.6966	ppb	0.5888	34.7	-6.6845	-1.69657
Ti 334.941	-0.6008	ppb	0.0348	5.8	-40.8932	-0.60078
Tl 190.794	0.5912	ppb	2.8256	478.0	-1.3276	0.59118
V 292.401	-0.3747	ppb	0.0176	4.7	15.9326	-0.37472
Zn 206.200	-2.9627	ppb	0.5723	19.3	6.4757	-2.96272

680-88612-a-32-b (Samp)

4/2/2013, 8:29:40 PM

Rack 2, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1158	ppb	0.3247	280.5	-52.8291
Al 308.215	85955.3	ppb	206.395	0.2	239461
As 188.980	-11.1353	ppb	5.7800	51.9	-7.1851
B 249.678	10.4830	ppb	0.4421	4.2	-61.3235
Ba 389.178	296.564	ppb	1.1631	0.4	4986.62
Be 313.042	1.6559	ppb	0.0127	0.8	2968.35
Ca 370.602	6718	ppb	17.76	0.3	9642
Cd 226.502	-1.4071	ppb	0.4522	32.1	189.097
Co 228.615	3.5563	ppb	0.8050	22.6	41.6416
Cr 267.716	111.648	ppb	0.3641	0.3	1771.41
Cu 324.754	52.4093	ppb	0.2464	0.5	2069.62
Fe 271.441	88052.6	ppb	354.418	0.4	65542.4
K 766.491	3571.69	ppb	12.5221	0.4	464158

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	2659.74	ppb	7.2476	0.3	2815.43
Mn 257.610	140.450	ppb	0.5069	0.4	13693.4
Mo 202.032	0.5033	ppb	0.7194	142.9	-4.2815
Na 330.237	237.682	ppb	166.715	70.1	-30.8639
Ni 231.604	12.2183	ppb	1.0156	8.3	45.1102
Pb 220.353	62.6259	ppb	3.8274	6.1	45.2776
Sb 206.834	3.4031	ppb	6.9720	204.9	5.5458
Se 196.026	6.4943	ppb	9.3819	144.5	3.5553
Sn 189.925	14.5532	ppb	2.9009	19.9	10.8040
Sr 216.596	31.2387	ppb	1.1221	3.6	235.926
Ti 334.941	1037.53	ppb	4.5172	0.4	216885
Tl 190.794	-4.1748	ppb	3.1131	74.6	-7.0865
V 292.401	414.718	ppb	1.3825	0.3	11719.2
Zn 206.200	49.3842	ppb	1.2110	2.5	169.437

680-88612-a-33-b (Samp)

4/2/2013, 8:35:07 PM

Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3586	ppb	0.9349	68.8	-5.6685
Al 308.215	48510.3	ppb	81.7017	0.2	135201
As 188.980	9.7284	ppb	6.0213	61.9	0.6350
B 249.678	9.8990	ppb	0.4169	4.2	7.2087
Ba 389.178	294.649	ppb	0.8283	0.3	4916.29
Be 313.042	0.9231	ppb	0.0147	1.6	1694.75
Ca 370.602	9415	ppb	11.72	0.1	25618
Cd 226.502	-0.8174	ppb	0.0264	3.2	133.024
Co 228.615	5.6223	ppb	0.4197	7.5	54.2088
Cr 267.716	56.4704	ppb	0.5590	1.0	907.589
Cu 324.754	139.589	ppb	0.7150	0.5	5205.48
Fe 271.441	55997.0	ppb	55.4703	0.1	41689.9
K 766.491	1961.26	ppb	2.6204	0.1	257941
Mg 279.078	2109.50	ppb	9.3087	0.4	2294.71
Mn 257.610	604.720	ppb	0.7362	0.1	57603.2
Mo 202.032	1.1485	ppb	1.3943	121.4	2.1419
Na 330.237	126.114	ppb	126.948	100.7	-20.7335
Ni 231.604	18.1270	ppb	1.2731	7.0	60.3351
Pb 220.353	2805.19	ppb	6.0336	0.2	2340.73
Sb 206.834	12.7658	ppb	5.8127	45.5	10.9616
Se 196.026	-6.3569	ppb	7.1129	111.9	0.5763
Sn 189.925	59.1550	ppb	2.9240	4.9	38.5456
Sr 216.596	35.0197	ppb	0.4002	1.1	243.023
Ti 334.941	799.482	ppb	2.0301	0.3	167144
Tl 190.794	-3.9935	ppb	8.6238	215.9	-5.7481
V 292.401	131.252	ppb	0.3127	0.2	3734.12
Zn 206.200	502.768	ppb	1.8614	0.4	1564.67

680-88612-a-34-b (Samp)

4/2/2013, 8:40:34 PM

Rack 2, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2075b	ppb	0.6067	292.3	-53.5690
Al 308.215	53710.9b	ppb	309.916	0.6	149679

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	27.9208b	ppb	6.4646	23.2	4.2936
B 249.678	21.5068b	ppb	1.1592	5.4	-41.2162
Ba 389.178	1831.21b	ppb	7.3776	0.4	30348.9
Be 313.042	2.7856b	ppb	0.0174	0.6	4627.73
Ca 370.602	229528b	ppb	761.6	0.3	845562
Cd 226.502	0.2283b	ppb	0.1691	74.0	292.447
Co 228.615	14.4658b	ppb	0.6040	4.2	133.932
Cr 267.716	99.3078b	ppb	0.6556	0.7	1558.66
Cu 324.754	216.179b	ppb	1.7258	0.8	7399.33
Fe 271.441	120801b	ppb	651.427	0.5	89906.5
K 766.491	3347.50b	ppb	14.5529	0.4	435036
Mg 279.078	8213.75b	ppb	51.4221	0.6	9080.75
Mn 257.610	1049.36b	ppb	3.9113	0.4	99788.5
Mo 202.032	3.1020b	ppb	0.5992	19.3	0.3484
Na 330.237	651.573b	ppb	75.6023	11.6	-18.9202
Ni 231.604	33.9557b	ppb	0.5566	1.6	110.474
Pb 220.353	19016.9xb	ppb	75.0077	0.4	15883.2
Sb 206.834	5.3734b	ppb	4.6737	87.0	9.1280
Se 196.026	-2.5596b	ppb	12.3974	484.3	1.1218
Sn 189.925	121.586b	ppb	0.4671	0.4	76.7946
Sr 216.596	366.557b	ppb	1.8463	0.5	2295.62
Ti 334.941	1349.47b	ppb	4.9931	0.4	282297
Tl 190.794	-3.9625b	ppb	5.9280	149.6	-10.0901
V 292.401	251.911b	ppb	0.9694	0.4	7144.78
Zn 206.200	1626.74b	ppb	9.7694	0.6	5026.63

680-88612-a-35-b (Samp)

4/2/2013, 8:46:01 PM

Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7267	ppb	0.4869	67.0	-35.5141
Al 308.215	99037.1	ppb	815.956	0.8	275872
As 188.980	-6.1502	ppb	7.0534	114.7	-5.2970
B 249.678	8.9236	ppb	0.4015	4.5	-82.1867
Ba 389.178	567.607	ppb	3.7317	0.7	9461.98
Be 313.042	1.6567	ppb	0.0232	1.4	2843.86
Ca 370.602	5001	ppb	6.122	0.1	2616
Cd 226.502	-1.9532	ppb	0.3021	15.5	184.505
Co 228.615	7.1016	ppb	0.5613	7.9	76.5343
Cr 267.716	115.679	ppb	0.8444	0.7	1836.31
Cu 324.754	45.5964	ppb	0.5162	1.1	1830.39
Fe 271.441	91250.0	ppb	730.521	0.8	67919.5
K 766.491	4347.84	ppb	34.9884	0.8	563472
Mg 279.078	3341.73	ppb	19.5589	0.6	3587.43
Mn 257.610	305.607	ppb	2.5655	0.8	29337.9
Mo 202.032	0.3241	ppb	0.6725	207.5	-4.7520
Na 330.237	356.116	ppb	95.0085	26.7	-28.0068
Ni 231.604	20.6449	ppb	0.9331	4.5	69.8357
Pb 220.353	56.9177	ppb	4.6023	8.1	39.0895
Sb 206.834	-1.1840	ppb	1.8978	160.3	2.1790
Se 196.026	0.3587	ppb	3.6038	1004.6	1.8382
Sn 189.925	17.0918	ppb	2.7798	16.3	12.5122
Sr 216.596	28.4248	ppb	0.7347	2.6	220.207
Ti 334.941	1509.62	ppb	12.2855	0.8	315521

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-3.2771	ppb	3.0672	93.6	-6.8401
V 292.401	200.369	ppb	1.8931	0.9	5690.05
Zn 206.200	65.6020	ppb	1.3012	2.0	219.450

mb 680-271166/1-a (Samp) **4/2/2013, 8:51:28 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3484	ppb	0.4763	136.7	-26.5294
Al 308.215	-29.1254	ppb	5.8095	19.9	62.8725
As 188.980	-9.2286	ppb	3.4759	37.7	-6.3018
B 249.678	-1.0289	ppb	0.7044	68.5	41.3367
Ba 389.178	-1.4909	ppb	0.6558	44.0	-37.5566
Be 313.042	-0.2093	ppb	0.0407	19.4	-94.4780
Ca 370.602	-28.98	ppb	4.169	14.4	-3.371
Cd 226.502	-0.8321	ppb	0.3324	39.9	12.4440
Co 228.615	-0.8038	ppb	0.2710	33.7	-8.9212
Cr 267.716	-0.7936	ppb	0.0944	11.9	20.4214
Cu 324.754	-1.5607	ppb	0.3494	22.4	111.590
Fe 271.441	-27.6577	ppb	1.0421	3.8	4.9865
K 766.491	-26.0878	ppb	1.9838	7.6	3541.11
Mg 279.078	-25.9346	ppb	2.1688	8.4	38.6801
Mn 257.610	-2.6153	ppb	0.0367	1.4	34.9261
Mo 202.032	-1.3093	ppb	0.7859	60.0	0.4982
Na 330.237	37.9045	ppb	70.7932	186.8	4.6066
Ni 231.604	0.3123	ppb	0.8134	260.4	5.0838
Pb 220.353	-1.6446	ppb	1.1322	68.8	1.4612
Sb 206.834	-0.3310	ppb	4.0904	1235.9	1.9032
Se 196.026	-6.4373	ppb	9.7924	152.1	1.3968
Sn 189.925	4.1908	ppb	3.1275	74.6	4.0921
Sr 216.596	-1.3053	ppb	0.4593	35.2	-4.3083
Ti 334.941	-0.2999	ppb	0.0517	17.2	22.0064
Tl 190.794	2.3770	ppb	4.5909	193.1	-0.4927
V 292.401	-0.7394	ppb	0.2153	29.1	5.6457
Zn 206.200	-3.5542	ppb	0.5790	16.3	4.6552

lcs 680-271166/2-a (Samp) **4/2/2013, 8:56:55 PM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.2782	ppb	0.1215	0.3	1432.50
Al 308.215	4883.36	ppb	13.3210	0.3	13746.1
As 188.980	100.441	ppb	9.1319	9.1	34.8574
B 249.678	181.398	ppb	0.7056	0.4	1608.55
Ba 389.178	101.756	ppb	0.2942	0.3	1681.04
Be 313.042	51.3053	ppb	0.1824	0.4	77597.3
Ca 370.602	4931	ppb	17.45	0.4	17877
Cd 226.502	51.0040	ppb	0.1301	0.3	1181.79
Co 228.615	50.5605	ppb	0.7654	1.5	398.783
Cr 267.716	101.900	ppb	0.2917	0.3	1661.67
Cu 324.754	99.7622	ppb	0.5934	0.6	3761.99
Fe 271.441	4871.08	ppb	28.7259	0.6	3652.92
K 766.491	4920.58	ppb	13.6436	0.3	636940

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	4747.51	ppb	9.7965	0.2	5505.79
Mn 257.610	530.587	ppb	1.7916	0.3	50527.8
Mo 202.032	98.2592	ppb	0.9695	1.0	344.974
Na 330.237	4621.39	ppb	114.301	2.5	300.434
Ni 231.604	99.3475	ppb	1.1444	1.2	293.496
Pb 220.353	47.6780	ppb	3.4137	7.2	41.8692
Sb 206.834	45.9905	ppb	4.5732	9.9	32.6139
Se 196.026	90.3950	ppb	8.3705	9.3	28.6846
Sn 189.925	201.820	ppb	4.2516	2.1	127.356
Sr 216.596	97.4140	ppb	0.6438	0.7	592.240
Ti 334.941	97.7050	ppb	0.3872	0.4	20510.7
Tl 190.794	37.6844	ppb	7.3510	19.5	15.8775
V 292.401	98.1421	ppb	0.1880	0.2	2760.35
Zn 206.200	96.3983	ppb	0.8450	0.9	312.264

ics 680-271166/3-a (Samp) 4/2/2013, 9:02:22 PM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	193.845	ppb	2.1473	1.1	5989.59
Al 308.215	1952.92	ppb	0.5645	0.0	5592.24
As 188.980	191.515	ppb	5.4075	2.8	68.8867
B 249.678	349.397	ppb	1.2263	0.4	3031.84
Ba 389.178	182.079	ppb	1.0081	0.6	3047.74
Be 313.042	189.797	ppb	0.2634	0.1	286376
Ca 370.602	18867	ppb	23.55	0.1	68036
Cd 226.502	189.510	ppb	0.7482	0.4	4307.23
Co 228.615	188.338	ppb	0.7850	0.4	1492.80
Cr 267.716	190.116	ppb	0.2409	0.1	3067.27
Cu 324.754	189.672	ppb	1.7504	0.9	6980.68
Fe 271.441	18890.5	ppb	25.3729	0.1	14090.6
K 766.491	18418.9	ppb	7.2383	0.0	2365397
Mg 279.078	18077.9	ppb	27.6631	0.2	20772.2
Mn 257.610	1960.98	ppb	3.3677	0.2	185983
Mo 202.032	187.335	ppb	0.5612	0.3	651.797
Na 330.237	16766.0	ppb	233.232	1.4	1084.72
Ni 231.604	190.085	ppb	0.7169	0.4	558.566
Pb 220.353	180.167	ppb	6.9944	3.9	152.571
Sb 206.834	173.627	ppb	3.5274	2.0	117.328
Se 196.026	176.962	ppb	5.9181	3.3	53.1241
Sn 189.925	196.093	ppb	2.7308	1.4	123.758
Sr 216.596	193.649	ppb	0.0976	0.1	1178.77
Ti 334.941	183.786	ppb	0.2396	0.1	38516.6
Tl 190.794	37.0087	ppb	2.1817	5.9	15.1613
V 292.401	187.024	ppb	0.6994	0.4	5237.46
Zn 206.200	175.313	ppb	1.8974	1.1	555.673

680-88766-b-6-a (Samp) 4/2/2013, 9:07:49 PM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0415	ppb	0.6007	1448.6	-53.1827
Al 308.215	82945.3	ppb	5205.94	6.3	231061

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	114.135	ppb	21.4293	18.8	34.5579
B 249.678	51.0549	ppb	1.0454	2.0	-107.756
Ba 389.178	707.544	ppb	45.6316	6.4	12058.8
Be 313.042	7.0388	ppb	0.4587	6.5	11144.1
Ca 370.602	371415	ppb	20243	5.5	1356367
Cd 226.502	5.1031	ppb	1.9820	38.8	696.992
Co 228.615	56.7248	ppb	3.3839	6.0	468.354
Cr 267.716	409.410	ppb	24.9795	6.1	6455.49
Cu 324.754	541.439	ppb	20.7817	3.8	18836.8
Fe 271.441	261235	ppb	16439.5	6.3	194395
K 766.491	7501.88	ppb	385.160	5.1	967306
Mg 279.078	53028.0	ppb	3157.78	6.0	60071.5
Mn 257.610	8490.20	ppb	523.830	6.2	804427
Mo 202.032	20.8014	ppb	0.1563	0.8	43.6721
Na 330.237	1480.21	ppb	245.633	16.6	-28.0135
Ni 231.604	232.929	ppb	14.6063	6.3	699.131
Pb 220.353	730.243	ppb	33.6850	4.6	602.073
Sb 206.834	1.4135	ppb	2.0366	144.1	14.6559
Se 196.026	4.2863	ppb	12.7241	296.9	2.3802
Sn 189.925	47.3002	ppb	7.0467	14.9	29.9023
Sr 216.596	526.226	ppb	34.3208	6.5	3329.78
Ti 334.941	1156.75	ppb	72.1520	6.2	242207
Tl 190.794	-11.2218	ppb	16.8948	150.6	-20.9840
V 292.401	368.074	ppb	23.1842	6.3	10403.5
Zn 206.200	2385.61	ppb	147.367	6.2	7366.67

680-88766-b-6-aSD^5 (Samp) 4/2/2013, 9:13:17 PM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0657	ppb	0.0463	70.5	-38.9819
Al 308.215	17547.9	ppb	411.149	2.3	48996.6
As 188.980	19.9232	ppb	1.0136	5.1	3.4281
B 249.678	11.5115	ppb	0.8995	7.8	15.0534
Ba 389.178	157.127	ppb	3.5598	2.3	2668.65
Be 313.042	1.3931	ppb	0.0254	1.8	2390.44
Ca 370.602	82686	ppb	1761	2.1	301942
Cd 226.502	0.0352	ppb	0.4136	1175.3	155.790
Co 228.615	11.7158	ppb	0.4190	3.6	95.0387
Cr 267.716	91.0078	ppb	1.8403	2.0	1460.48
Cu 324.754	116.035	ppb	2.8268	2.4	4161.58
Fe 271.441	58715.8	ppb	1299.21	2.2	43712.5
K 766.491	1382.35	ppb	32.1903	2.3	183848
Mg 279.078	11724.4	ppb	270.211	2.3	13331.6
Mn 257.610	1943.87	ppb	41.5381	2.1	184393
Mo 202.032	3.4771	ppb	0.9139	26.3	9.5557
Na 330.237	419.289	ppb	37.4787	8.9	1.0444
Ni 231.604	51.3640	ppb	1.6778	3.3	157.492
Pb 220.353	160.733	ppb	7.7866	4.8	134.799
Sb 206.834	5.9993	ppb	2.4275	40.5	8.6368
Se 196.026	4.9798	ppb	4.0018	80.4	4.1503
Sn 189.925	10.5819	ppb	3.1161	29.4	7.8380
Sr 216.596	115.335	ppb	2.8529	2.5	733.368
Ti 334.941	255.087	ppb	5.4336	2.1	53478.2

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.5915	ppb	3.1573	198.4	-4.0210
V 292.401	80.8995	ppb	2.2899	2.8	2307.42
Zn 206.200	536.991	ppb	12.0827	2.3	1670.29

680-88766-b-6-aPDS (Samp) **4/2/2013, 9:18:45 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7453	ppb	0.7015	1.4	1490.71
Al 308.215	83825.0	ppb	112.007	0.1	233545
As 188.980	2123.01	ppb	18.6940	0.9	789.486
B 249.678	1000.11	ppb	2.8049	0.3	8117.57
Ba 389.178	2715.68	ppb	1.1229	0.0	45191.6
Be 313.042	56.7696	ppb	0.0649	0.1	86333.3
Ca 370.602	372050	ppb	715.1	0.2	1359564
Cd 226.502	52.7121	ppb	0.4188	0.8	1753.57
Co 228.615	555.168	ppb	2.2498	0.4	4432.59
Cr 267.716	602.130	ppb	1.0106	0.2	9540.41
Cu 324.754	803.642	ppb	2.1515	0.3	28302.7
Fe 271.441	257425	ppb	127.645	0.0	191588
K 766.491	13592.6	ppb	9.3635	0.1	1746694
Mg 279.078	57136.1	ppb	53.6380	0.1	64804.6
Mn 257.610	8840.84	ppb	1.5235	0.0	837636
Mo 202.032	517.155	ppb	0.6308	0.1	1764.25
Na 330.237	6835.57	ppb	32.1172	0.5	316.572
Ni 231.604	710.704	ppb	0.9674	0.1	2088.96
Pb 220.353	1186.27	ppb	6.2722	0.5	982.040
Sb 206.834	472.174	ppb	8.2241	1.7	317.891
Se 196.026	1950.02	ppb	16.7658	0.9	549.599
Sn 189.925	991.958	ppb	5.9842	0.6	619.296
Sr 216.596	1007.81	ppb	2.0273	0.2	6225.80
Ti 334.941	2106.59	ppb	2.6657	0.1	440677
Tl 190.794	1894.53	ppb	8.8068	0.5	872.448
V 292.401	851.806	ppb	0.6809	0.1	23900.1
Zn 206.200	2799.60	ppb	1.5851	0.1	8640.52

Cont Calib Verif (CCV) **4/2/2013, 9:24:13 PM** **Rack 2, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.366	ppb	5.1208	1.0	15322.7	98.87313
Al 308.215	4946.22	ppb	41.1292	0.8	14166.8	98.92449
As 188.980	491.305	ppb	3.8606	0.8	182.558	98.26107
B 249.678	511.033	ppb	5.0617	1.0	4465.55	20.44134Q
Ba 389.178	4883.39	ppb	49.4222	1.0	80583.6	97.66776
Be 313.042	487.633	ppb	5.5226	1.1	738037	97.52657
Ca 370.602	5050	ppb	43.84	0.9	18531	100.99928
Cd 226.502	482.715	ppb	5.7810	1.2	10832.9	96.54310
Co 228.615	490.735	ppb	5.8458	1.2	3897.13	98.14700
Cr 267.716	4923.26	ppb	59.2147	1.2	78809.5	98.46513
Cu 324.754	4829.91	ppb	49.8619	1.0	174655	96.59814
Fe 271.441	4988.06	ppb	41.1037	0.8	3797.19	99.76124
K 766.491	9943.91	ppb	83.0351	0.8	1278897	99.43906

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4869.44	ppb	47.4416	1.0	5637.43	97.38880
Mn 257.610	5058.84	ppb	58.2688	1.2	479192	101.17686
Mo 202.032	495.533	ppb	3.9237	0.8	1713.33	99.10662
Na 330.237	7257.75	ppb	129.343	1.8	473.067	96.77000
Ni 231.604	2442.00	ppb	27.8458	1.1	7107.82	97.68011
Pb 220.353	496.560	ppb	6.7609	1.4	412.094	99.31197
Sb 206.834	944.264	ppb	9.7319	1.0	648.212	37.77058Q
Se 196.026	4863.30	ppb	70.8322	1.5	1371.46	97.26600
Sn 189.925	4949.97	ppb	45.9553	0.9	3088.75	98.99942
Sr 216.596	2444.75	ppb	26.7911	1.1	14748.4	97.79019
Ti 334.941	498.658	ppb	5.4920	1.1	104578	99.73155
Tl 190.794	5003.85	ppb	73.6677	1.5	2345.72	100.07705
V 292.401	4953.62	ppb	49.1924	1.0	139046	99.07238
Zn 206.200	2438.30	ppb	24.5370	1.0	7503.79	97.53203

Cont Calib Blank (CCB)

4/2/2013, 9:29:40 PM

Rack 2, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0816	ppb	0.4039	495.1	-39.8834	-0.08157
Al 308.215	-42.7586	ppb	3.2519	7.6	24.9529	-42.75856
As 188.980	-3.9881	ppb	4.2183	105.8	-4.3319	-3.98809
B 249.678	0.3694	ppb	0.3069	83.1	53.4397	0.36937
Ba 389.178	-0.1763	ppb	1.3864	786.5	-15.9061	-0.17627
Be 313.042	-0.1802	ppb	0.0102	5.6	-50.4622	-0.18025
Ca 370.602	-49.19	ppb	1.996	4.1	-78.31	-49.18900
Cd 226.502	-0.6362	ppb	0.1043	16.4	16.8060	-0.63617
Co 228.615	-1.1089	ppb	0.3489	31.5	-11.3587	-1.10895
Cr 267.716	-1.0141	ppb	0.1889	18.6	16.8931	-1.01413
Cu 324.754	-1.2202	ppb	0.4030	33.0	123.940	-1.22022
Fe 271.441	-36.0294	ppb	7.6425	21.2	-1.2518	-36.02940Z
K 766.491	-35.8190	ppb	0.4333	1.2	2294.62	-35.81897
Mg 279.078	-40.9704	ppb	1.6925	4.1	21.4302	-40.97039
Mn 257.610	-2.4515	ppb	0.0392	1.6	50.3736	-2.45150
Mo 202.032	-0.8088	ppb	0.7046	87.1	2.2338	-0.80875
Na 330.237	-34.9463	ppb	30.2419	86.5	-0.1350	-34.94625
Ni 231.604	-0.8285	ppb	0.6523	78.7	1.7648	-0.82853
Pb 220.353	-3.1562	ppb	2.9429	93.2	0.1983	-3.15615
Sb 206.834	1.5075	ppb	2.3160	153.6	3.1080	1.50748
Se 196.026	-0.8137	ppb	0.8537	104.9	2.9779	-0.81373
Sn 189.925	-1.2123	ppb	3.4828	287.3	0.7224	-1.21229
Sr 216.596	-1.7979	ppb	0.1246	6.9	-7.2776	-1.79790
Ti 334.941	-0.6139	ppb	0.0889	14.5	-43.6278	-0.61386
Tl 190.794	2.4642	ppb	6.0145	244.1	-0.4524	2.46425
V 292.401	-0.3300	ppb	0.1114	33.8	16.9950	-0.33005
Zn 206.200	-4.0227	ppb	0.6174	15.3	3.2127	-4.02273

680-88766-b-6-b ms (Samp)

4/2/2013, 9:35:07 PM

Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.5836	ppb	3.5260	7.9	1339.12
Al 308.215	76153.7	ppb	2288.42	3.0	212155

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	170.334	ppb	5.5486	3.3	55.7842
B 249.678	204.486	ppb	4.4325	2.2	1225.08
Ba 389.178	910.389	ppb	28.2933	3.1	15449.9
Be 313.042	49.4308	ppb	1.5078	3.1	75029.2
Ca 370.602	363607	ppb	10232	2.8	1327353
Cd 226.502	49.7262	ppb	2.6445	5.3	1689.51
Co 228.615	103.405	ppb	5.0407	4.9	839.530
Cr 267.716	448.756	ppb	15.1772	3.4	7088.98
Cu 324.754	812.396	ppb	15.4253	1.9	28652.9
Fe 271.441	259026	ppb	8029.96	3.1	192754
K 766.491	11503.7	ppb	350.436	3.0	1479688
Mg 279.078	78472.1	ppb	2232.22	2.8	89314.3
Mn 257.610	10493.0	ppb	328.468	3.1	994083
Mo 202.032	112.927	ppb	2.3692	2.1	363.287
Na 330.237	6025.31	ppb	47.2985	0.8	268.457
Ni 231.604	387.507	ppb	11.2410	2.9	1149.40
Pb 220.353	844.934	ppb	30.7030	3.6	698.462
Sb 206.834	35.5961	ppb	5.0267	14.1	36.5682
Se 196.026	91.4579	ppb	19.4604	21.3	27.4343
Sn 189.925	245.674	ppb	4.8030	2.0	153.688
Sr 216.596	533.328	ppb	17.8469	3.3	3363.82
Ti 334.941	1298.29	ppb	41.8929	3.2	271773
Tl 190.794	25.2620	ppb	9.0680	35.9	-3.5837
V 292.401	377.004	ppb	10.6702	2.8	10628.7
Zn 206.200	2546.05	ppb	80.7854	3.2	7861.28

680-88766-b-6-c msd (Samp)

4/2/2013, 9:40:34 PM

Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.0208	ppb	0.8070	1.8	1394.46
Al 308.215	100619	ppb	557.369	0.6	280267
As 188.980	146.969	ppb	5.9687	4.1	45.9203
B 249.678	221.779	ppb	1.3157	0.6	1285.14
Ba 389.178	933.416	ppb	5.3716	0.6	15923.9
Be 313.042	47.9329	ppb	0.2071	0.4	72821.2
Ca 370.602	438679	ppb	1357	0.3	1604086
Cd 226.502	46.5489	ppb	0.6048	1.3	1701.37
Co 228.615	87.7491	ppb	0.9014	1.0	717.502
Cr 267.716	547.122	ppb	2.3316	0.4	8647.80
Cu 324.754	745.448	ppb	2.7549	0.4	26046.7
Fe 271.441	297813	ppb	1238.70	0.4	221612
K 766.491	12962.0	ppb	63.8058	0.5	1666415
Mg 279.078	104941	ppb	609.623	0.6	119587
Mn 257.610	14786.6	ppb	46.5427	0.3	1400637
Mo 202.032	115.624	ppb	2.5580	2.2	367.831
Na 330.237	6504.59	ppb	169.061	2.6	280.724
Ni 231.604	391.889	ppb	1.5312	0.4	1165.50
Pb 220.353	1033.64	ppb	13.2704	1.3	853.148
Sb 206.834	18.2176	ppb	7.3498	40.3	27.6746
Se 196.026	81.0768	ppb	13.5533	16.7	25.0241
Sn 189.925	212.055	ppb	6.4422	3.0	132.473
Sr 216.596	611.076	ppb	3.5001	0.6	3857.68
Ti 334.941	1416.89	ppb	6.0446	0.4	296641

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	26.4427	ppb	6.0139	22.7	-5.5272
V 292.401	428.838	ppb	1.8868	0.4	12081.7
Zn 206.200	2569.25	ppb	7.4066	0.3	7934.16

680-88766-b-12-a (Samp) 4/2/2013, 9:46:01 PM Rack 2, Tube 41

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5966	ppb	0.2255	37.8	-38.6472
Al 308.215	84071.7	ppb	308.549	0.4	234194
As 188.980	63.7832	ppb	12.3818	19.4	13.3788
B 249.678	71.0220	ppb	1.7967	2.5	-0.9367
Ba 389.178	897.915	ppb	2.4840	0.3	15281.2
Be 313.042	7.4996	ppb	0.0326	0.4	11858.7
Ca 370.602	529464	ppb	1567	0.3	1948426
Cd 226.502	4.6881	ppb	0.3715	7.9	747.633
Co 228.615	57.6381	ppb	0.3661	0.6	482.626
Cr 267.716	548.625	ppb	1.7207	0.3	8671.00
Cu 324.754	1941.49	ppb	2.9078	0.1	69022.6
Fe 271.441	289829	ppb	890.945	0.3	215669
K 766.491	8506.93	ppb	21.6613	0.3	1095950
Mg 279.078	79374.4	ppb	354.989	0.4	90243.9
Mn 257.610	9913.09	ppb	22.4069	0.2	939225
Mo 202.032	65.4202	ppb	1.1810	1.8	194.746
Na 330.237	1957.25	ppb	141.667	7.2	-13.5622
Ni 231.604	386.739	ppb	1.6535	0.4	1149.08
Pb 220.353	814.376	ppb	6.3967	0.8	671.891
Sb 206.834	4.6376	ppb	5.7731	124.5	19.3151
Se 196.026	15.4746	ppb	5.7056	36.9	5.8693
Sn 189.925	81.3246	ppb	4.4964	5.5	50.6542
Sr 216.596	740.616	ppb	1.3144	0.2	4644.24
Ti 334.941	1668.01	ppb	4.4322	0.3	349202
Tl 190.794	-10.1745	ppb	9.4412	92.8	-22.9423
V 292.401	339.237	ppb	1.0918	0.3	9581.42
Zn 206.200	2609.45	ppb	5.8069	0.2	8056.88

680-88766-b-13-a (Samp) 4/2/2013, 9:51:28 PM Rack 2, Tube 42

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.3516	ppb	0.3085	13.1	-89.2352
Al 308.215	106613	ppb	819.052	0.8	296946
As 188.980	125.088	ppb	7.1658	5.7	39.0580
B 249.678	65.2639	ppb	1.8992	2.9	-389.443
Ba 389.178	2895.22	ppb	20.9571	0.7	48355.3
Be 313.042	12.0308	ppb	0.1223	1.0	18763.5
Ca 370.602	333341	ppb	2274	0.7	1181079
Cd 226.502	4.1237	ppb	0.2909	7.1	1046.13
Co 228.615	151.030	ppb	0.9336	0.6	1233.21
Cr 267.716	732.129	ppb	6.8316	0.9	11548.3
Cu 324.754	6583.63	ppb	32.8554	0.5	237396
Fe 271.441	438101	ppb	3204.46	0.7	325992
K 766.491	8528.04	ppb	52.0663	0.6	1098114

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	55830.2	ppb	410.975	0.7	62639.2
Mn 257.610	26813.7	ppb	201.287	0.8	2539203
Mo 202.032	45.4008	ppb	1.5331	3.4	105.996
Na 330.237	1578.21	ppb	157.696	10.0	-109.974
Ni 231.604	366.592	ppb	2.8931	0.8	1098.44
Pb 220.353	1007.21	ppb	7.4777	0.7	829.559
Sb 206.834	9.3584	ppb	8.7901	93.9	25.3609
Se 196.026	10.5639	ppb	15.4193	146.0	3.9841
Sn 189.925	65.3001	ppb	0.9202	1.4	41.5234
Sr 216.596	578.062	ppb	3.5661	0.6	3715.85
Ti 334.941	2033.57	ppb	15.0938	0.7	425382
Tl 190.794	3.8257	ppb	3.3371	87.2	-20.3236
V 292.401	559.158	ppb	3.6384	0.7	15764.8
Zn 206.200	2747.62	ppb	23.0105	0.8	8484.33

680-88766-a-22-a (Samp)

4/2/2013, 9:56:55 PM

Rack 2, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9728	ppb	0.5787	59.5	-3.5310
Al 308.215	103597	ppb	1029.85	1.0	288557
As 188.980	70.2713	ppb	15.8393	22.5	15.9603
B 249.678	81.1292	ppb	1.1385	1.4	149.803
Ba 389.178	1205.33	ppb	10.3568	0.9	20329.0
Be 313.042	6.9186	ppb	0.0566	0.8	10997.1
Ca 370.602	524332	ppb	3507	0.7	1934115
Cd 226.502	7.3967	ppb	0.3069	4.1	752.170
Co 228.615	63.1336	ppb	1.3609	2.2	525.003
Cr 267.716	731.500	ppb	5.2319	0.7	11617.9
Cu 324.754	994.432	ppb	5.0046	0.5	34794.9
Fe 271.441	262451	ppb	2307.22	0.9	195300
K 766.491	8373.43	ppb	49.5899	0.6	1078773
Mg 279.078	83686.9	ppb	677.765	0.8	95288.6
Mn 257.610	14071.2	ppb	71.9843	0.5	1332821
Mo 202.032	45.4263	ppb	1.5733	3.5	129.191
Na 330.237	2290.43	ppb	169.108	7.4	22.7748
Ni 231.604	383.829	ppb	3.0919	0.8	1139.14
Pb 220.353	1330.82	ppb	2.1204	0.2	1101.26
Sb 206.834	12.3762	ppb	10.4284	84.3	25.4176
Se 196.026	0.4547	ppb	4.3935	966.1	3.1049
Sn 189.925	117.229	ppb	3.4472	2.9	73.0355
Sr 216.596	727.661	ppb	6.1920	0.9	4554.08
Ti 334.941	1565.33	ppb	12.2150	0.8	327755
Tl 190.794	-8.7140	ppb	13.6936	157.1	-21.2832
V 292.401	362.419	ppb	2.4855	0.7	10212.9
Zn 206.200	3269.69	ppb	15.3494	0.5	10088.3

680-88767-b-14-a (Samp)

4/2/2013, 10:02:23 PM

Rack 2, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0768	ppb	0.4647	43.2	-82.7559
Al 308.215	82633.5	ppb	1377.13	1.7	230189

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	126.035	ppb	14.0899	11.2	41.9484
B 249.678	34.4209	ppb	0.3456	1.0	-335.946
Ba 389.178	1486.63	ppb	24.9997	1.7	24961.6
Be 313.042	8.8625	ppb	0.1594	1.8	13845.7
Ca 370.602	162504	ppb	2401	1.5	560386
Cd 226.502	3.0527	ppb	0.2378	7.8	728.813
Co 228.615	105.331	ppb	1.6266	1.5	853.909
Cr 267.716	359.336	ppb	6.2429	1.7	5636.93
Cu 324.754	356.106	ppb	7.4974	2.1	12722.8
Fe 271.441	298542	ppb	4785.72	1.6	222154
K 766.491	7757.51	ppb	102.378	1.3	999829
Mg 279.078	57674.3	ppb	937.195	1.6	65275.9
Mn 257.610	11053.8	ppb	165.296	1.5	1047157
Mo 202.032	9.2799	ppb	0.2021	2.2	-1.1236
Na 330.237	752.627	ppb	187.455	24.9	-92.7644
Ni 231.604	107.388	ppb	2.3550	2.2	336.472
Pb 220.353	715.613	ppb	7.0315	1.0	589.711
Sb 206.834	0.0587	ppb	3.3041	5628.1	12.5433
Se 196.026	7.5529	ppb	16.3388	216.3	2.3899
Sn 189.925	33.2773	ppb	5.1335	15.4	21.9282
Sr 216.596	221.897	ppb	4.0225	1.8	1495.21
Ti 334.941	1040.22	ppb	16.2419	1.6	217635
Tl 190.794	-0.5854	ppb	10.7427	1835.2	-15.5409
V 292.401	383.372	ppb	6.1433	1.6	10841.4
Zn 206.200	1888.10	ppb	31.4341	1.7	5836.25

680-88767-b-14-b ms (Samp) 4/2/2013, 10:07:50 PM Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0328	ppb	0.5777	1.2	1416.81
Al 308.215	91636.9	ppb	420.929	0.5	255263
As 188.980	215.115	ppb	8.2420	3.8	74.6750
B 249.678	179.026	ppb	2.1351	1.2	967.462
Ba 389.178	1038.67	ppb	5.0141	0.5	17491.3
Be 313.042	57.3919	ppb	0.2888	0.5	87030.6
Ca 370.602	218208	ppb	822.6	0.4	774977
Cd 226.502	52.0741	ppb	1.0924	2.1	1777.32
Co 228.615	141.280	ppb	0.4040	0.3	1136.33
Cr 267.716	407.667	ppb	3.1356	0.8	6422.43
Cu 324.754	478.537	ppb	1.4887	0.3	16984.8
Fe 271.441	275724	ppb	1219.23	0.4	205180
K 766.491	13072.0	ppb	55.7641	0.4	1680472
Mg 279.078	27756.0	ppb	112.179	0.4	30976.2
Mn 257.610	11104.1	ppb	67.8609	0.6	1051822
Mo 202.032	102.579	ppb	1.0025	1.0	325.335
Na 330.237	5529.42	ppb	165.396	3.0	229.675
Ni 231.604	191.609	ppb	2.4699	1.3	578.846
Pb 220.353	711.644	ppb	7.5709	1.1	585.371
Sb 206.834	30.0104	ppb	6.5314	21.8	32.1514
Se 196.026	98.3587	ppb	42.1263	42.8	28.4278
Sn 189.925	232.515	ppb	0.5016	0.2	145.958
Sr 216.596	505.968	ppb	1.7837	0.4	3207.18
Ti 334.941	980.198	ppb	4.7381	0.5	205155

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	33.2553	ppb	5.1802	15.6	0.6093
V 292.401	442.455	ppb	2.3433	0.5	12473.9
Zn 206.200	1947.14	ppb	12.1506	0.6	6016.28

680-88767-b-14-c msd (Samp) **4/2/2013, 10:13:17 PM** **Rack 2, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.9085	ppb	0.0742	0.2	1335.39
Al 308.215	103321	ppb	2221.18	2.1	287789
As 188.980	228.545	ppb	14.1809	6.2	81.8180
B 249.678	184.187	ppb	1.8183	1.0	833.902
Ba 389.178	1032.08	ppb	20.5069	2.0	17459.4
Be 313.042	59.7469	ppb	1.1916	2.0	90591.9
Ca 370.602	64856	ppb	928.0	1.4	181507
Cd 226.502	52.6235	ppb	2.3137	4.4	1952.68
Co 228.615	160.401	ppb	3.4323	2.1	1290.91
Cr 267.716	501.402	ppb	10.0557	2.0	7880.56
Cu 324.754	555.145	ppb	17.7176	3.2	20202.9
Fe 271.441	353580	ppb	7414.09	2.1	263108
K 766.491	12558.5	ppb	209.697	1.7	1614722
Mg 279.078	20734.1	ppb	431.699	2.1	22634.7
Mn 257.610	10976.1	ppb	209.548	1.9	1039771
Mo 202.032	106.130	ppb	1.4157	1.3	327.561
Na 330.237	5261.53	ppb	152.539	2.9	175.358
Ni 231.604	203.487	ppb	2.6069	1.3	617.774
Pb 220.353	756.225	ppb	12.8611	1.7	620.815
Sb 206.834	30.0071	ppb	1.4659	4.9	33.3162
Se 196.026	103.758	ppb	20.9167	20.2	27.8098
Sn 189.925	226.744	ppb	10.8793	4.8	142.982
Sr 216.596	224.078	ppb	5.1110	2.3	1524.97
Ti 334.941	1088.18	ppb	22.1934	2.0	227562
Tl 190.794	37.8092	ppb	1.6562	4.4	1.0169
V 292.401	531.703	ppb	10.4572	2.0	14996.8
Zn 206.200	2094.56	ppb	41.0210	2.0	6471.42

680-88767-b-24-a (Samp) **4/2/2013, 10:18:45 PM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1206	ppb	1.5376	137.2	-59.0032
Al 308.215	102192	ppb	336.247	0.3	284636
As 188.980	133.258	ppb	6.1492	4.6	46.1736
B 249.678	54.6123	ppb	1.1484	2.1	-293.149
Ba 389.178	1808.88	ppb	3.1800	0.2	30262.8
Be 313.042	11.4335	ppb	0.0279	0.2	17687.9
Ca 370.602	49211	ppb	76.45	0.2	122138
Cd 226.502	4.2774	ppb	0.2130	5.0	877.186
Co 228.615	115.265	ppb	0.3303	0.3	931.936
Cr 267.716	261.754	ppb	0.6777	0.3	4053.73
Cu 324.754	338.465	ppb	3.2027	0.9	12416.9
Fe 271.441	356071	ppb	762.813	0.2	264958
K 766.491	10788.1	ppb	26.5874	0.2	1387813

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	14402.7	ppb	40.8649	0.3	15336.4
Mn 257.610	18962.0	ppb	41.2328	0.2	1795728
Mo 202.032	12.8725	ppb	1.4658	11.4	4.1502
Na 330.237	772.701	ppb	41.2254	5.3	-116.566
Ni 231.604	112.045	ppb	1.3561	1.2	351.819
Pb 220.353	1013.75	ppb	0.3721	0.0	836.404
Sb 206.834	10.4014	ppb	5.1431	49.4	18.8095
Se 196.026	12.3635	ppb	13.2934	107.5	3.5174
Sn 189.925	140.389	ppb	5.7133	4.1	89.1394
Sr 216.596	177.008	ppb	2.6993	1.5	1244.86
Ti 334.941	909.916	ppb	1.5231	0.2	190285
Tl 190.794	2.1867	ppb	4.6803	214.0	-15.8609
V 292.401	379.765	ppb	0.4465	0.1	10738.9
Zn 206.200	2396.44	ppb	5.4999	0.2	7401.58

680-88767-b-29-a (Samp)

4/2/2013, 10:24:13 PM

Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3120	ppb	1.4313	458.8	-51.0353
Al 308.215	93578.1	ppb	3802.34	4.1	260657
As 188.980	127.919	ppb	4.0457	3.2	44.2644
B 249.678	42.6884	ppb	1.3623	3.2	-409.075
Ba 389.178	1101.92	ppb	44.2171	4.0	18606.7
Be 313.042	10.0586	ppb	0.4327	4.3	15662.6
Ca 370.602	42089	ppb	985.3	2.3	93992
Cd 226.502	3.2232	ppb	1.6376	50.8	864.502
Co 228.615	106.566	ppb	4.1985	3.9	861.407
Cr 267.716	256.345	ppb	8.9882	3.5	3953.58
Cu 324.754	675.199	ppb	20.7199	3.1	24608.5
Fe 271.441	361550	ppb	14726.9	4.1	269034
K 766.491	9800.23	ppb	364.234	3.7	1261505
Mg 279.078	13894.7	ppb	502.882	3.6	14747.5
Mn 257.610	10766.5	ppb	426.311	4.0	1019915
Mo 202.032	12.7468	ppb	0.3664	2.9	2.7364
Na 330.237	622.282	ppb	316.044	50.8	-128.942
Ni 231.604	102.545	ppb	4.4291	4.3	324.508
Pb 220.353	880.167	ppb	35.4396	4.0	725.734
Sb 206.834	7.8510	ppb	1.9315	24.6	17.3113
Se 196.026	16.1198	ppb	9.9114	61.5	2.8131
Sn 189.925	76.4161	ppb	5.2579	6.9	49.2489
Sr 216.596	130.849	ppb	6.7079	5.1	966.731
Ti 334.941	826.730	ppb	34.0226	4.1	172896
Tl 190.794	1.1963	ppb	9.9150	828.8	-16.3716
V 292.401	459.709	ppb	18.9498	4.1	13006.1
Zn 206.200	2025.31	ppb	82.1731	4.1	6259.12

Cont Calib Verif (CCV)

4/2/2013, 10:29:41 PM

Rack 2, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.589	ppb	16.1803	3.3	15143.3	97.71772
Al 308.215	4925.84	ppb	140.233	2.8	14108.5	98.51688

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	479.149	ppb	6.7493	1.4	177.985	95.82973
B 249.678	506.448	ppb	13.5971	2.7	4425.89	20.25792Q
Ba 389.178	4866.24	ppb	105.051	2.2	80300.5	97.32481
Be 313.042	484.564	ppb	11.6167	2.4	733395	96.91290
Ca 370.602	5014	ppb	99.88	2.0	18396	100.28126
Cd 226.502	479.029	ppb	12.0049	2.5	10750.5	95.80589
Co 228.615	488.116	ppb	12.5937	2.6	3876.30	97.62312
Cr 267.716	4891.97	ppb	116.625	2.4	78308.8	97.83936
Cu 324.754	4640.59	ppb	350.111	7.5	167813	92.81174
Fe 271.441	4974.56	ppb	117.978	2.4	3786.83	99.49123
K 766.491	9877.59	ppb	261.739	2.6	1270410	98.77592
Mg 279.078	4860.82	ppb	135.290	2.8	5627.63	97.21631
Mn 257.610	5020.16	ppb	136.783	2.7	475529	100.40312
Mo 202.032	493.167	ppb	12.3445	2.5	1705.18	98.63335
Na 330.237	7262.97	ppb	411.913	5.7	473.412	96.83955
Ni 231.604	2426.67	ppb	61.6877	2.5	7063.21	97.06673
Pb 220.353	491.445	ppb	12.6685	2.6	407.854	98.28900
Sb 206.834	936.372	ppb	29.4106	3.1	642.837	37.45489Q
Se 196.026	4820.61	ppb	115.844	2.4	1359.45	96.41220
Sn 189.925	4943.32	ppb	131.160	2.7	3084.60	98.86638
Sr 216.596	2430.23	ppb	61.5852	2.5	14661.0	97.20937
Ti 334.941	495.611	ppb	12.7661	2.6	103940	99.12221
Tl 190.794	4972.19	ppb	150.747	3.0	2330.87	99.44385
V 292.401	4923.48	ppb	128.752	2.6	138200	98.46970
Zn 206.200	2425.46	ppb	58.5825	2.4	7464.36	97.01820

Cont Calib Blank (CCB)

4/2/2013, 10:35:08 PM

Rack 2, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5450	ppb	0.1596	29.3	-54.2830	-0.54497
Al 308.215	-39.6955	ppb	1.1557	2.9	33.4546	-39.69553
As 188.980	1.3048	ppb	2.1754	166.7	-2.3431	1.30485
B 249.678	-0.7056	ppb	0.0603	8.5	44.1254	-0.70562
Ba 389.178	-0.0942	ppb	0.8175	867.8	-14.5576	-0.09421
Be 313.042	-0.1790	ppb	0.0047	2.6	-48.6952	-0.17899
Ca 370.602	-47.15	ppb	3.202	6.8	-71.57	-47.15263
Cd 226.502	-0.8115	ppb	0.1178	14.5	12.8986	-0.81146
Co 228.615	-1.1859	ppb	0.3362	28.4	-11.9607	-1.18590
Cr 267.716	-1.2914	ppb	0.3667	28.4	12.4538	-1.29139
Cu 324.754	-1.1274	ppb	0.2384	21.1	127.290	-1.12736
Fe 271.441	-29.9322	ppb	1.5281	5.1	3.2681	-29.93220Z
K 766.491	-35.9980	ppb	0.2504	0.7	2271.76	-35.99802
Mg 279.078	-41.9708	ppb	4.2379	10.1	20.2621	-41.97078
Mn 257.610	-2.3547	ppb	0.0294	1.3	59.5306	-2.35473
Mo 202.032	-0.6007	ppb	0.6851	114.1	2.9550	-0.60071
Na 330.237	-97.0959	ppb	39.9186	41.1	-4.1863	-97.09587
Ni 231.604	-1.3636	ppb	1.2498	91.7	0.2089	-1.36357
Pb 220.353	2.5728	ppb	0.8064	31.3	4.9853	2.57276
Sb 206.834	-0.2486	ppb	3.2495	1307.1	1.9704	-0.24861
Se 196.026	6.9254	ppb	8.8322	127.5	5.1537	6.92536
Sn 189.925	-2.6727	ppb	7.6309	285.5	-0.1885	-2.67268
Sr 216.596	-2.0103	ppb	0.1230	6.1	-8.5342	-2.01025
Ti 334.941	-0.5908	ppb	0.0618	10.5	38.8174	-0.59078

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	0.2175	ppb	6.5751	3022.9	-1.5043	0.21751
V 292.401	-0.6384	ppb	0.0390	6.1	8.4499	-0.63844
Zn 206.200	-3.3743	ppb	0.4054	12.0	5.2100	-3.37433

680-88767-b-30-a (Samp) 4/2/2013, 10:40:35 PM Rack 2, Tube 51

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7363	ppb	1.6984	97.8	-103.590
Al 308.215	105808	ppb	7298.29	6.9	294697
As 188.980	168.675	ppb	19.9629	11.8	59.2712
B 249.678	54.5475	ppb	6.6527	12.2	-726.977
Ba 389.178	2246.84	ppb	154.596	6.9	37710.7
Be 313.042	14.2526	ppb	1.0295	7.2	22105.4
Ca 370.602	50550	ppb	1599	3.2	93030
Cd 226.502	3.7982	ppb	4.0971	107.9	1261.44
Co 228.615	159.931	ppb	10.5671	6.6	1291.44
Cr 267.716	377.384	ppb	25.8731	6.9	5804.31
Cu 324.754	665.364	ppb	57.7517	8.7	24308.1
Fe 271.441	544981	ppb	37869.8	6.9	405515
K 766.491	9274.73	ppb	506.419	5.5	1193900
Mg 279.078	17344.0	ppb	1025.43	5.9	18049.0
Mn 257.610	21274.4	ppb	1353.01	6.4	2014841
Mo 202.032	18.8229	ppb	3.6987	19.6	-0.2065
Na 330.237	612.792	ppb	369.623	60.3	-216.112
Ni 231.604	129.158	ppb	10.1698	7.9	412.980
Pb 220.353	1072.62	ppb	72.3566	6.7	884.010
Sb 206.834	5.6684	ppb	6.3854	112.6	21.2104
Se 196.026	15.3460	ppb	13.3669	87.1	0.8890
Sn 189.925	91.0609	ppb	8.3863	9.2	58.4327
Sr 216.596	143.383	ppb	11.9711	8.3	1128.48
Ti 334.941	1023.85	ppb	71.0341	6.9	214106
Tl 190.794	-8.1364	ppb	15.2636	187.6	-28.1933
V 292.401	669.538	ppb	46.5234	6.9	18921.7
Zn 206.200	2408.81	ppb	160.581	6.7	7443.91

680-88767-b-35-a (Samp) 4/2/2013, 10:46:02 PM Rack 2, Tube 52

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3716b	ppb	0.3981	107.1	56.9803
Al 308.215	86572.4b	ppb	1238.43	1.4	241157
As 188.980	124.392b	ppb	13.7769	11.1	42.5765
B 249.678	49.6286b	ppb	1.0110	2.0	-61.7793
Ba 389.178	2165.27b	ppb	28.9815	1.3	35998.5
Be 313.042	9.0210b	ppb	0.1197	1.3	13992.9
Ca 370.602	76984b	ppb	870.4	1.1	249098
Cd 226.502	12.4894b	ppb	0.7073	5.7	810.022
Co 228.615	107.482b	ppb	1.7505	1.6	873.302
Cr 267.716	249.463b	ppb	3.0671	1.2	3935.71
Cu 324.754	470.920b	ppb	4.5339	1.0	17074.2
Fe 271.441	236542b	ppb	3171.19	1.3	176025
K 766.491	10027.5b	ppb	105.963	1.1	1290329

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	11575.4b	ppb	155.173	1.3	12487.5
Mn 257.610	30258.3xb	ppb	330.370	1.1	2864929
Mo 202.032	16.0313b	ppb	0.5317	3.3	30.5903
Na 330.237	1173.43b	ppb	159.460	13.6	-34.0875
Ni 231.604	155.553b	ppb	3.4125	2.2	471.063
Pb 220.353	2170.84b	ppb	20.2934	0.9	1805.44
Sb 206.834	11.5007b	ppb	1.8601	16.2	16.3038
Se 196.026	8.5996b	ppb	1.4487	16.8	7.1628
Sn 189.925	77.0703b	ppb	4.5887	6.0	49.6104
Sr 216.596	275.603b	ppb	5.8032	2.1	1786.61
Ti 334.941	1266.17b	ppb	16.8774	1.3	264745
Tl 190.794	20.8436b	ppb	2.8571	13.7	-2.1206
V 292.401	273.101b	ppb	3.8426	1.4	7693.55
Zn 206.200	4251.89b	ppb	54.4557	1.3	13110.9

680-88767-b-52-a (Samp)

4/2/2013, 10:51:29 PM

Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0734	ppb	0.5693	27.5	-94.3287
Al 308.215	114525	ppb	403.731	0.4	318972
As 188.980	188.241	ppb	11.7736	6.3	66.0004
B 249.678	48.6443	ppb	0.5661	1.2	-701.830
Ba 389.178	3168.81	ppb	10.4602	0.3	52908.6
Be 313.042	16.0283	ppb	0.0357	0.2	24815.5
Ca 370.602	98976	ppb	169.3	0.2	282136
Cd 226.502	1.8638	ppb	0.4345	23.3	1149.31
Co 228.615	145.044	ppb	1.2950	0.9	1175.02
Cr 267.716	469.373	ppb	0.8441	0.2	7298.48
Cu 324.754	278.652	ppb	2.0497	0.7	10183.9
Fe 271.441	511687	ppb	1190.31	0.2	380743
K 766.491	8833.93	ppb	17.9511	0.2	1137209
Mg 279.078	32118.6	ppb	82.1389	0.3	35138.1
Mn 257.610	24546.8	ppb	51.5821	0.2	2324624
Mo 202.032	15.6343	ppb	0.6922	4.4	-6.8998
Na 330.237	684.939	ppb	133.654	19.5	-197.818
Ni 231.604	122.076	ppb	0.8126	0.7	390.970
Pb 220.353	883.785	ppb	12.4665	1.4	725.435
Sb 206.834	6.6010	ppb	3.3472	50.7	22.1465
Se 196.026	13.9077	ppb	19.5732	140.7	2.0895
Sn 189.925	43.7011	ppb	1.3951	3.2	28.7358
Sr 216.596	210.301	ppb	0.2949	0.1	1522.09
Ti 334.941	1146.40	ppb	3.3142	0.3	239768
Tl 190.794	1.3967	ppb	5.2372	375.0	-22.7938
V 292.401	706.069	ppb	2.2746	0.3	19933.3
Zn 206.200	1736.15	ppb	4.4271	0.3	5372.33

680-88767-a-55-a (Samp)

4/2/2013, 10:56:56 PM

Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3621b	ppb	0.1682	46.5	62.8410
Al 308.215	102961b	ppb	1124.87	1.1	286780

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	161.604b	ppb	14.3937	8.9	55.9625
B 249.678	75.5106b	ppb	2.0727	2.7	51.1274
Ba 389.178	2460.49b	ppb	27.9623	1.1	40937.0
Be 313.042	11.0641b	ppb	0.1369	1.2	17092.5
Ca 370.602	115338b	ppb	1172	1.0	385362
Cd 226.502	14.0091b	ppb	0.3872	2.8	946.262
Co 228.615	120.685b	ppb	1.2602	1.0	982.644
Cr 267.716	265.924b	ppb	3.5815	1.3	4177.88
Cu 324.754	536.144b	ppb	1.8594	0.3	19347.7
Fe 271.441	284928b	ppb	3610.02	1.3	212025
K 766.491	12600.8b	ppb	127.359	1.0	1619757
Mg 279.078	18541.9b	ppb	185.669	1.0	20316.5
Mn 257.610	33944.9xb	ppb	435.562	1.3	3213994
Mo 202.032	19.0443b	ppb	1.7301	9.1	34.9403
Na 330.237	1576.83b	ppb	26.4871	1.7	-31.4821
Ni 231.604	169.193b	ppb	1.9254	1.1	513.883
Pb 220.353	2459.89b	ppb	27.0415	1.1	2044.85
Sb 206.834	14.0461b	ppb	8.5596	60.9	18.8890
Se 196.026	10.7305b	ppb	8.9352	83.3	7.6868
Sn 189.925	281.308b	ppb	6.0709	2.2	176.917
Sr 216.596	367.639b	ppb	4.3427	1.2	2369.53
Ti 334.941	1531.30b	ppb	19.9419	1.3	320185
Tl 190.794	13.0180b	ppb	6.6352	51.0	-8.1363
V 292.401	291.735b	ppb	3.2943	1.1	8221.00
Zn 206.200	4776.07b	ppb	61.0360	1.3	14726.0

680-88789-a-2-a (Samp)

4/2/2013, 11:02:23 PM

Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.6548b	ppb	0.3224	0.7	1530.35
Al 308.215	317983b	ppb	732.033	0.2	885442
As 188.980	28.1217b	ppb	6.8001	24.2	-14.1704
B 249.678	2570.55b	ppb	6.6706	0.3	21964.3
Ba 389.178	21321.1xb	ppb	52.5914	0.2	352281
Be 313.042	6.3007b	ppb	0.0352	0.6	10283.7
Ca 370.602	1568720xb	ppb	4324	0.3	5904390
Cd 226.502	151.715b	ppb	0.7441	0.5	3740.82
Co 228.615	89.2366b	ppb	0.7311	0.8	900.473
Cr 267.716	2142.29b	ppb	6.2864	0.3	34332.3
Cu 324.754	1289.99b	ppb	5.0646	0.4	42518.0
Fe 271.441	142206b	ppb	480.721	0.3	105835
K 766.491	340417oxb	ppb	356.082	0.1	43592000
Mg 279.078	226427b	ppb	633.859	0.3	259656
Mn 257.610	60446.5xb	ppb	127.570	0.2	5723198
Mo 202.032	181.021b	ppb	1.8849	1.0	617.795
Na 330.237	223417xb	ppb	538.962	0.2	14411.6
Ni 231.604	414.349b	ppb	2.8483	0.7	1226.14
Pb 220.353	304.603b	ppb	6.2377	2.0	220.141
Sb 206.834	5.6025b	ppb	8.0843	144.3	22.4272
Se 196.026	-3.7750b	ppb	26.5401	703.1	18.3299
Sn 189.925	15.8240b	ppb	5.6762	35.9	8.7448
Sr 216.596	8325.50xb	ppb	30.7934	0.4	50679.3
Ti 334.941	13170.8b	ppb	36.3244	0.3	2753758

Page 425 of 484

04/22/2013

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	17.7865b	ppb	22.2983	125.4	-8.5518
V 292.401	342.759b	ppb	0.9139	0.3	9532.05
Zn 206.200	7525.75b	ppb	15.4448	0.2	23187.8

680-88789-a-3-a (Samp) **4/2/2013, 11:07:50 PM** **Rack 2, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.0686b	ppb	0.2236	0.5	1401.73
Al 308.215	316463b	ppb	2450.29	0.8	881209
As 188.980	28.6108b	ppb	23.7586	83.0	-12.9372
B 249.678	2204.98b	ppb	11.7863	0.5	18796.3
Ba 389.178	20202.4xb	ppb	123.009	0.6	333800
Be 313.042	6.5242b	ppb	0.0490	0.8	10600.6
Ca 370.602	1489163xb	ppb	8200	0.6	5603358
Cd 226.502	144.722b	ppb	0.9608	0.7	3589.08
Co 228.615	82.0802b	ppb	1.9610	2.4	852.466
Cr 267.716	1839.98b	ppb	12.2018	0.7	29487.9
Cu 324.754	1218.66b	ppb	3.9168	0.3	40151.9
Fe 271.441	144498b	ppb	815.624	0.6	107540
K 766.491	338301oxb	ppb	1785.94	0.5	43321356
Mg 279.078	210940b	ppb	1442.60	0.7	241859
Mn 257.610	56777.3xb	ppb	117.268	0.2	5375834
Mo 202.032	165.104b	ppb	0.7990	0.5	562.298
Na 330.237	228767xb	ppb	1522.17	0.7	14753.7
Ni 231.604	425.658b	ppb	3.7980	0.9	1258.58
Pb 220.353	298.388b	ppb	8.8002	2.9	215.362
Sb 206.834	-2.5329b	ppb	4.8073	189.8	12.6055
Se 196.026	12.4929b	ppb	7.6737	61.4	21.7941
Sn 189.925	17.1107b	ppb	7.4495	43.5	10.0205
Sr 216.596	7814.63xb	ppb	50.9652	0.7	47574.7
Ti 334.941	13846.4b	ppb	89.0749	0.6	2894824
Tl 190.794	11.4451b	ppb	1.4745	12.9	-10.3962
V 292.401	339.827b	ppb	1.6213	0.5	9484.72
Zn 206.200	7131.44b	ppb	43.0383	0.6	21974.6

680-88789-a-4-a (Samp) **4/2/2013, 11:13:18 PM** **Rack 2, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	29.6622b	ppb	0.6509	2.2	1301.23
Al 308.215	301895b	ppb	415.129	0.1	840659
As 188.980	81.9053b	ppb	10.3872	12.7	5.5104
B 249.678	5429.57b	ppb	6.4412	0.1	46842.2
Ba 389.178	8938.13b	ppb	13.2359	0.1	148396
Be 313.042	3.9052b	ppb	0.0035	0.1	6565.64
Ca 370.602	1624019xb	ppb	6496	0.4	6125098
Cd 226.502	163.338b	ppb	0.1492	0.1	3870.14
Co 228.615	140.071b	ppb	0.6561	0.5	1174.74
Cr 267.716	2717.99b	ppb	4.1819	0.2	43632.7
Cu 324.754	2820.42b	ppb	23.8842	0.8	97730.4
Fe 271.441	79578.4b	ppb	122.013	0.2	59238.1
K 766.491	325619oxb	ppb	1245.59	0.4	41700428

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	468705b	ppb	498.671	0.1	538203
Mn 257.610	106854xb	ppb	294.592	0.3	10116704
Mo 202.032	392.396b	ppb	1.4818	0.4	1358.84
Na 330.237	382699xb	ppb	1122.10	0.3	24898.2
Ni 231.604	339.315b	ppb	0.6956	0.2	1013.37
Pb 220.353	525.454b	ppb	4.4766	0.9	405.852
Sb 206.834	-15.6184b	ppb	3.8144	24.4	26.2104
Se 196.026	44.8944b	ppb	20.6729	46.0	43.9097
Sn 189.925	30.6567b	ppb	5.0842	16.6	15.6756
Sr 216.596	10464.3xb	ppb	12.4826	0.1	63637.0
Ti 334.941	4593.43b	ppb	7.3291	0.2	961712
Tl 190.794	61.1667b	ppb	3.0135	4.9	8.0877
V 292.401	222.758b	ppb	0.2807	0.1	5889.55
Zn 206.200	18245.1b	ppb	12.7150	0.1	56193.7

680-88805-a-1-a (Samp)

4/2/2013, 11:18:45 PM

Rack 2, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.3262b	ppb	0.9421	7.6	-323.291
Al 308.215	23601.7b	ppb	1263.20	5.4	65984.1
As 188.980	235833xb	ppb	19052.8	8.1	88625.8
B 249.678	113.412b	ppb	4.8345	4.3	759.764
Ba 389.178	12433.3xb	ppb	685.367	5.5	206331
Be 313.042	2.8212b	ppb	0.1883	6.7	4697.13
Ca 370.602	1333383xb	ppb	64477	4.8	5016562
Cd 226.502	4.6348b	ppb	0.9983	21.5	387.786
Co 228.615	76.1455b	ppb	4.0007	5.3	690.458
Cr 267.716	122215xb	ppb	7149.47	5.8	1956315
Cu 324.754	165284xb	ppb	10533.5	6.4	5970534
Fe 271.441	119032b	ppb	6665.96	5.6	88386.9
K 766.491	12841.2b	ppb	614.848	4.8	1647846
Mg 279.078	458503b	ppb	24061.1	5.2	526516
Mn 257.610	5418.18b	ppb	301.699	5.6	514460
Mo 202.032	70.9012b	ppb	4.3555	6.1	236.084
Na 330.237	1258.53b	ppb	195.217	15.5	26.4464
Ni 231.604	101.622b	ppb	7.7412	7.6	324.091
Pb 220.353	138.503b	ppb	1.7917	1.3	10.9096
Sb 206.834	-185.420b	ppb	98.0140	52.9	1036.44
Se 196.026	22.2096b	ppb	13.3036	59.9	15.1416
Sn 189.925	37.7336b	ppb	9.8714	26.2	20.0853
Sr 216.596	1213.03b	ppb	62.4634	5.1	7338.00
Ti 334.941	461.246b	ppb	25.6645	5.6	104520
Tl 190.794	29.8780b	ppb	1.1684	3.9	-5.3068
V 292.401	93.3888b	ppb	9.2021	9.9	-4641.88
Zn 206.200	999.538b	ppb	48.0246	4.8	2644.15

mb 680-271166/23-a (Samp)

4/2/2013, 11:24:13 PM

Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2238	ppb	0.2312	103.3	-30.4457
Al 308.215	3.2701	ppb	0.6170	18.9	153.074

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	47.7412	ppb	3.7872	7.9	15.1047
B 249.678	4.5321	ppb	0.5279	11.6	89.2844
Ba 389.178	2.5469	ppb	0.7903	31.0	29.2879
Be 313.042	-0.1986	ppb	0.0093	4.7	-78.3658
Ca 370.602	326.9	ppb	0.2514	0.1	1330
Cd 226.502	-0.6471	ppb	0.0382	5.9	16.7207
Co 228.615	-1.2093	ppb	0.1992	16.5	-12.1098
Cr 267.716	15.8088	ppb	0.1422	0.9	286.165
Cu 324.754	18.3443	ppb	0.4501	2.5	830.079
Fe 271.441	39.8534	ppb	1.9991	5.0	55.1676
K 766.491	51.3481	ppb	0.6907	1.3	13455.8
Mg 279.078	46.8603	ppb	3.9543	8.4	122.069
Mn 257.610	12.1348	ppb	0.1200	1.0	1431.47
Mo 202.032	-0.3607	ppb	0.5312	147.3	3.7792
Na 330.237	151.590	ppb	128.834	85.0	11.9733
Ni 231.604	0.1677	ppb	0.7188	428.8	4.6682
Pb 220.353	-0.3068	ppb	1.4642	477.2	2.5600
Sb 206.834	3.0160	ppb	3.5996	119.3	4.2088
Se 196.026	2.3652	ppb	1.3860	58.6	3.8748
Sn 189.925	21.6704	ppb	3.2461	15.0	14.9929
Sr 216.596	-0.4059	ppb	0.5778	142.3	1.1840
Ti 334.941	1.4928	ppb	0.1054	7.1	397.847
Tl 190.794	0.7665	ppb	1.4885	194.2	-1.2528
V 292.401	-0.8706	ppb	0.0754	8.7	0.9151
Zn 206.200	-1.5071	ppb	0.4004	26.6	10.8978

680-88761-a-1-a (Samp)

4/2/2013, 11:29:41 PM

Rack 2, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9156	ppb	0.2542	8.7	53.0963
Al 308.215	87.1639	ppb	1.4326	1.6	386.955
As 188.980	9.5346	ppb	5.7601	60.4	0.7385
B 249.678	7.5119	ppb	0.2009	2.7	112.573
Ba 389.178	42.5699	ppb	0.3091	0.7	690.794
Be 313.042	-0.1998	ppb	0.0053	2.6	-81.5675
Ca 370.602	896.8	ppb	2.376	0.3	3293
Cd 226.502	0.4360	ppb	0.1402	32.2	43.1367
Co 228.615	3.4090	ppb	0.1797	5.3	24.3657
Cr 267.716	5.6108	ppb	0.1628	2.9	122.391
Cu 324.754	75.6406	ppb	0.1906	0.3	2900.00
Fe 271.441	1092.26	ppb	9.4099	0.9	838.429
K 766.491	143.545	ppb	0.6773	0.5	25250.9
Mg 279.078	64.8010	ppb	3.8689	6.0	138.966
Mn 257.610	28.0119	ppb	0.0417	0.1	2935.71
Mo 202.032	18.8741	ppb	0.5416	2.9	70.3354
Na 330.237	125.085	ppb	118.488	94.7	10.1540
Ni 231.604	4.6354	ppb	0.9363	20.2	17.7214
Pb 220.353	11.6053	ppb	1.7424	15.0	12.4772
Sb 206.834	0.9308	ppb	3.1903	342.7	2.7246
Se 196.026	-7.5194	ppb	15.3548	204.2	1.0790
Sn 189.925	29.3405	ppb	1.3914	4.7	19.7760
Sr 216.596	1.9950	ppb	0.4049	20.3	15.7268
Ti 334.941	7.7522	ppb	0.0829	1.1	1705.64

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	6.1116	ppb	5.2556	86.0	1.1901
V 292.401	-0.4710	ppb	0.2157	45.8	8.4856
Zn 206.200	271.249	ppb	0.4615	0.2	850.691

Cont Calib Verif (CCV) 4/2/2013, 11:35:09 PM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.615	ppb	2.1179	0.4	15113.0	97.52290
Al 308.215	4891.36	ppb	9.5883	0.2	14011.5	97.82719
As 188.980	483.537	ppb	5.5548	1.1	179.633	96.70744
B 249.678	503.915	ppb	1.4639	0.3	4404.05	20.15659Q
Ba 389.178	4841.41	ppb	7.1369	0.1	79890.7	96.82823
Be 313.042	482.965	ppb	0.9623	0.2	730973	96.59303
Ca 370.602	4996	ppb	8.610	0.2	18335	99.91416
Cd 226.502	477.025	ppb	0.8940	0.2	10705.5	95.40492
Co 228.615	486.671	ppb	1.9781	0.4	3864.84	97.33422
Cr 267.716	4886.86	ppb	13.4602	0.3	78227.1	97.73714
Cu 324.754	4723.51	ppb	41.2897	0.9	170810	94.47018
Fe 271.441	4928.50	ppb	22.9750	0.5	3752.29	98.57004
K 766.491	9862.70	ppb	17.2050	0.2	1268511	98.62704
Mg 279.078	4807.09	ppb	24.4758	0.5	5566.08	96.14184
Mn 257.610	5018.22	ppb	9.1757	0.2	475346	100.36439
Mo 202.032	490.078	ppb	2.7757	0.6	1694.51	98.01563
Na 330.237	7337.46	ppb	143.224	2.0	478.272	97.83280
Ni 231.604	2412.65	ppb	4.3301	0.2	7022.44	96.50601
Pb 220.353	486.611	ppb	1.1773	0.2	403.834	97.32212
Sb 206.834	933.712	ppb	4.5348	0.5	641.055	37.34846Q
Se 196.026	4818.07	ppb	10.5885	0.2	1358.74	96.36134
Sn 189.925	4916.61	ppb	12.2566	0.2	3067.95	98.33224
Sr 216.596	2418.85	ppb	5.1007	0.2	14592.4	96.75418
Ti 334.941	494.623	ppb	0.7139	0.1	103732	98.92458
Tl 190.794	4946.76	ppb	27.0736	0.5	2318.95	98.93521
V 292.401	4901.85	ppb	11.1351	0.2	137593	98.03697
Zn 206.200	2410.57	ppb	5.9662	0.2	7418.57	96.42261

Cont Calib Blank (CCB) 4/2/2013, 11:40:37 PM Rack 3, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0671	ppb	0.4408	656.8	-35.2615	0.06710
Al 308.215	-42.5954	ppb	2.4054	5.6	25.4104	-42.59540
As 188.980	2.5073	ppb	4.9912	199.1	-1.8910	2.50732
B 249.678	0.8052	ppb	0.5590	69.4	57.2304	0.80518
Ba 389.178	-0.8519	ppb	0.8212	96.4	-27.0607	-0.85187
Be 313.042	-0.1878	ppb	0.0077	4.1	-61.7845	-0.18775
Ca 370.602	-46.16	ppb	1.471	3.2	-65.28	-46.16172
Cd 226.502	-0.6796	ppb	0.1109	16.3	15.8172	-0.67958
Co 228.615	-1.0150	ppb	0.4854	47.8	-10.6144	-1.01501
Cr 267.716	-1.1959	ppb	0.4092	34.2	13.9875	-1.19594
Cu 324.754	-0.8243	ppb	0.2599	31.5	138.234	-0.82425
Fe 271.441	-43.9215	ppb	5.8414	13.3	-7.1211	-43.92148Z
K 766.491	-34.1848	ppb	0.2521	0.7	2504.10	-34.18476

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-35.3624	ppb	2.5269	7.1	27.9053	-35.36236
Mn 257.610	-2.3903	ppb	0.0205	0.9	56.1599	-2.39027
Mo 202.032	-1.0184	ppb	0.3797	37.3	1.5080	-1.01839
Na 330.237	-55.7008	ppb	54.2001	97.3	-1.4818	-55.70078
Ni 231.604	-1.7639	ppb	1.6310	92.5	-0.9575	-1.76391
Pb 220.353	-3.0534	ppb	1.9799	64.8	0.2844	-3.05342
Sb 206.834	-0.6969	ppb	1.7165	246.3	1.6801	-0.69689
Se 196.026	-6.0187	ppb	6.7115	111.5	1.5147	-6.01869
Sn 189.925	-5.0000	ppb	2.1243	42.5	-1.6400	-5.00004
Sr 216.596	-1.1931	ppb	0.8710	73.0	-3.5765	-1.19314
Ti 334.941	-0.6226	ppb	0.0358	5.8	-45.4476	-0.62255
Tl 190.794	-1.0303	ppb	6.5223	633.1	-2.0874	-1.03027
V 292.401	-0.3310	ppb	0.1647	49.7	16.9484	-0.33098
Zn 206.200	-3.1024	ppb	0.4745	15.3	6.0463	-3.10245

mb 680-271455/1-a (Samp) 4/2/2013, 11:46:05 PM Rack 3, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6907	ppb	0.5588	80.9	-15.8949
Al 308.215	-34.6892	ppb	5.9987	17.3	47.3707
As 188.980	5.2333	ppb	1.6704	31.9	-0.8672
B 249.678	0.6413	ppb	0.0897	14.0	55.7850
Ba 389.178	-1.5773	ppb	1.3058	82.8	-39.0152
Be 313.042	-0.2188	ppb	0.0105	4.8	-108.782
Ca 370.602	-36.79	ppb	3.702	10.1	-33.22
Cd 226.502	-0.8715	ppb	0.0855	9.8	11.5661
Co 228.615	-0.9006	ppb	0.1421	15.8	-9.6853
Cr 267.716	-1.1740	ppb	0.3078	26.2	14.3315
Cu 324.754	-1.1112	ppb	0.4575	41.2	127.847
Fe 271.441	-26.4037	ppb	5.4921	20.8	5.9149
K 766.491	-24.5976	ppb	1.6886	6.9	3731.90
Mg 279.078	-38.7625	ppb	5.7214	14.8	23.9330
Mn 257.610	-2.5018	ppb	0.0694	2.8	45.6170
Mo 202.032	-0.8447	ppb	0.1624	19.2	2.1088
Na 330.237	44.2349	ppb	105.284	238.0	5.0196
Ni 231.604	-0.8054	ppb	0.4006	49.7	1.8276
Pb 220.353	0.5883	ppb	2.1907	372.4	3.3273
Sb 206.834	4.3155	ppb	1.6921	39.2	4.9201
Se 196.026	-7.0089	ppb	9.7185	138.7	1.2360
Sn 189.925	7.6013	ppb	5.4196	71.3	6.2192
Sr 216.596	-1.9248	ppb	0.1670	8.7	-8.0231
Ti 334.941	-0.4019	ppb	0.0283	7.0	0.6698
Tl 190.794	-6.0693	ppb	4.2939	70.7	-4.4452
V 292.401	-0.7933	ppb	0.2017	25.4	4.2300
Zn 206.200	-3.3001	ppb	0.4939	15.0	5.4373

lcs 680-271455/2-a (Samp) 4/2/2013, 11:51:33 PM Rack 3, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1617	ppb	0.4559	4.5	279.251
Al 308.215	4953.74	ppb	1.7752	0.0	13942.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.3989	ppb	15.8558	16.1	34.0893
B 249.678	181.580	ppb	0.3757	0.2	1610.03
Ba 389.178	102.363	ppb	0.8907	0.9	1691.18
Be 313.042	51.7755	ppb	0.0332	0.1	78306.4
Ca 370.602	4956	ppb	3.567	0.1	17961
Cd 226.502	50.6020	ppb	0.2290	0.5	1172.90
Co 228.615	50.7227	ppb	0.6036	1.2	400.093
Cr 267.716	102.504	ppb	0.2813	0.3	1671.32
Cu 324.754	100.914	ppb	0.3411	0.3	3803.56
Fe 271.441	4917.63	ppb	18.6559	0.4	3687.56
K 766.491	4919.83	ppb	3.3729	0.1	636844
Mg 279.078	4776.44	ppb	8.8580	0.2	5538.88
Mn 257.610	534.497	ppb	0.5440	0.1	50898.1
Mo 202.032	99.3772	ppb	0.4115	0.4	348.844
Na 330.237	4527.02	ppb	141.039	3.1	294.259
Ni 231.604	100.884	ppb	0.6473	0.6	297.970
Pb 220.353	47.6468	ppb	2.4298	5.1	41.8366
Sb 206.834	51.5155	ppb	2.5276	4.9	36.2069
Se 196.026	86.8736	ppb	2.9160	3.4	27.6949
Sn 189.925	200.696	ppb	2.4210	1.2	126.655
Sr 216.596	97.5125	ppb	0.4724	0.5	592.811
Ti 334.941	98.6537	ppb	0.2028	0.2	20709.0
Tl 190.794	39.8436	ppb	9.5461	24.0	16.8865
V 292.401	98.6055	ppb	0.2512	0.3	2773.49
Zn 206.200	97.3017	ppb	1.5257	1.6	315.046

lcs 680-271455/3-a (Samp)

4/2/2013, 11:57:00 PM

Rack 3, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	192.526	ppb	1.3059	0.7	5948.76
Al 308.215	2056.33	ppb	11.3660	0.6	5880.55
As 188.980	193.759	ppb	14.2440	7.4	69.7224
B 249.678	356.315	ppb	0.3420	0.1	3089.88
Ba 389.178	188.297	ppb	0.5946	0.3	3152.51
Be 313.042	197.793	ppb	0.4328	0.2	298431
Ca 370.602	19502	ppb	34.66	0.2	70288
Cd 226.502	193.316	ppb	0.6408	0.3	4394.04
Co 228.615	196.199	ppb	0.4841	0.2	1555.23
Cr 267.716	199.434	ppb	0.6119	0.3	3216.03
Cu 324.754	197.864	ppb	0.1586	0.1	7275.43
Fe 271.441	19736.9	ppb	40.2220	0.2	14720.8
K 766.491	18688.8	ppb	42.5048	0.2	2399957
Mg 279.078	18655.5	ppb	46.0180	0.2	21432.9
Mn 257.610	2043.21	ppb	4.7433	0.2	193769
Mo 202.032	191.747	ppb	1.2133	0.6	666.979
Na 330.237	17095.7	ppb	85.2174	0.5	1105.76
Ni 231.604	196.478	ppb	0.9925	0.5	577.222
Pb 220.353	187.714	ppb	6.1477	3.3	158.840
Sb 206.834	175.802	ppb	1.7091	1.0	118.860
Se 196.026	183.992	ppb	5.6628	3.1	55.1050
Sn 189.925	198.762	ppb	3.7390	1.9	125.423
Sr 216.596	200.592	ppb	0.4609	0.2	1220.98
Ti 334.941	192.005	ppb	0.4857	0.3	40235.2

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	37.1519	ppb	6.4986	17.5	15.2038
V 292.401	193.691	ppb	0.5020	0.3	5422.95
Zn 206.200	179.560	ppb	1.4810	0.8	568.755

680-88825-e-1-a (Samp) **4/3/2013, 12:02:28 AM** **Rack 3, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3231	ppb	0.2740	84.8	-29.6754
Al 308.215	2729.17	ppb	4.5249	0.2	7746.16
As 188.980	6.6756	ppb	0.5134	7.7	-0.3940
B 249.678	356.805	ppb	0.1632	0.0	3105.56
Ba 389.178	70.1743	ppb	0.4569	0.7	1167.00
Be 313.042	-0.0959	ppb	0.0061	6.3	67.5476
Ca 370.602	6355	ppb	9.171	0.1	21785
Cd 226.502	0.4138	ppb	0.1933	46.7	67.6611
Co 228.615	2.4789	ppb	0.4858	19.6	16.9392
Cr 267.716	29.7470	ppb	0.2400	0.8	502.635
Cu 324.754	56.4872	ppb	0.4640	0.8	2198.49
Fe 271.441	12972.4	ppb	20.7167	0.2	9677.81
K 766.491	1476.18	ppb	1.3082	0.1	195888
Mg 279.078	3379.62	ppb	12.6297	0.4	3906.26
Mn 257.610	93.2922	ppb	0.2648	0.3	9138.95
Mo 202.032	209.437	ppb	1.2289	0.6	729.532
Na 330.237	839.859	ppb	70.6294	8.4	52.3982
Ni 231.604	36.1175	ppb	0.6505	1.8	110.071
Pb 220.353	69.2999	ppb	4.4111	6.4	60.0272
Sb 206.834	1.9550	ppb	2.4910	127.4	3.2229
Se 196.026	-2.1952	ppb	1.2375	56.4	2.3871
Sn 189.925	32.5561	ppb	2.8946	8.9	21.8141
Sr 216.596	7.7706	ppb	0.3160	4.1	52.1502
Ti 334.941	212.602	ppb	0.5497	0.3	44514.4
Tl 190.794	-3.8576	ppb	2.3480	60.9	-4.1004
V 292.401	15.3343	ppb	0.1536	1.0	411.544
Zn 206.200	1920.61	ppb	2.4991	0.1	5928.86

680-88866-a-1-a (Samp) **4/3/2013, 12:07:56 AM** **Rack 3, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4381b	ppb	1.2348	50.6	-149.796
Al 308.215	267619b	ppb	11625.0	4.3	745218
As 188.980	36.5602b	ppb	3.2091	8.8	10.1224
B 249.678	66.2977b	ppb	2.6356	4.0	-275.802
Ba 389.178	1386.53b	ppb	62.9307	4.5	23426.9
Be 313.042	14.4320b	ppb	0.6653	4.6	22491.9
Ca 370.602	28697b	ppb	402.3	1.4	38090
Cd 226.502	-1.8192b	ppb	1.5026	82.6	832.622
Co 228.615	378.762b	ppb	12.6584	3.3	3105.41
Cr 267.716	436.072b	ppb	19.1328	4.4	6818.67
Cu 324.754	439.259b	ppb	32.7915	7.5	16090.1
Fe 271.441	394788b	ppb	18038.6	4.6	293780
K 766.491	37941.5xb	ppb	1456.63	3.8	4864952

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	60105.9b	ppb	2548.06	4.2	67727.6
Mn 257.610	13799.9b	ppb	618.132	4.5	1307282
Mo 202.032	58.4112b	ppb	2.8519	4.9	158.283
Na 330.237	5156.97b	ppb	36.5318	0.7	106.474
Ni 231.604	191.518b	ppb	10.6389	5.6	586.830
Pb 220.353	223.014b	ppb	14.7808	6.6	157.614
Sb 206.834	14.6935b	ppb	9.3820	63.9	14.2436
Se 196.026	17.7049b	ppb	15.4042	87.0	3.9988
Sn 189.925	50.1789b	ppb	3.9821	7.9	34.4297
Sr 216.596	435.674b	ppb	19.6249	4.5	2831.88
Ti 334.941	6789.27b	ppb	309.055	4.6	1418706
Tl 190.794	-0.8370b	ppb	5.2664	629.2	-15.6756
V 292.401	860.088b	ppb	38.2204	4.4	24309.2
Zn 206.200	779.342b	ppb	32.7176	4.2	2424.88

680-88866-a-1-aSD^5 (Samp) 4/3/2013, 12:13:24 AM Rack 3, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5995	ppb	0.2568	42.8	-63.5956
Al 308.215	56772.3	ppb	199.999	0.4	158203
As 188.980	8.1121	ppb	7.1439	88.1	0.0394
B 249.678	13.8711	ppb	1.3914	10.0	-27.2576
Ba 389.178	298.210	ppb	1.2273	0.4	5030.60
Be 313.042	2.9201	ppb	0.0087	0.3	4734.63
Ca 370.602	6502	ppb	5.730	0.1	9213
Cd 226.502	-1.1804	ppb	0.1715	14.5	189.439
Co 228.615	81.8991	ppb	0.9454	1.2	669.891
Cr 267.716	93.8643	ppb	0.2375	0.3	1493.02
Cu 324.754	93.2963	ppb	0.3753	0.4	3549.46
Fe 271.441	86651.9	ppb	414.820	0.5	64501.8
K 766.491	7823.45	ppb	20.2819	0.3	1008601
Mg 279.078	12933.4	ppb	44.7975	0.3	14620.9
Mn 257.610	3133.16	ppb	13.5898	0.4	297021
Mo 202.032	11.8235	ppb	0.6209	5.3	35.1960
Na 330.237	1048.70	ppb	69.8846	6.7	19.5723
Ni 231.604	40.9156	ppb	1.2521	3.1	128.795
Pb 220.353	47.1887	ppb	1.8134	3.8	35.5260
Sb 206.834	9.0134	ppb	5.8768	65.2	8.5490
Se 196.026	-4.0111	ppb	11.6428	290.3	1.1740
Sn 189.925	4.2267	ppb	1.3660	32.3	4.4784
Sr 216.596	92.4228	ppb	1.0241	1.1	604.982
Ti 334.941	1495.61	ppb	6.2079	0.4	312592
Tl 190.794	-1.4126	ppb	4.6424	328.6	-5.2529
V 292.401	185.772	ppb	0.6464	0.3	5271.58
Zn 206.200	167.582	ppb	1.0436	0.6	533.709

680-88866-a-1-aPDS (Samp) 4/3/2013, 12:18:52 AM Rack 3, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.1278b	ppb	0.3432	0.7	1358.41
Al 308.215	270881b	ppb	575.274	0.2	754334

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2018.98b	ppb	24.1007	1.2	755.044
B 249.678	1009.03b	ppb	2.6763	0.3	7884.17
Ba 389.178	3410.82b	ppb	2.0208	0.1	56833.5
Be 313.042	64.8002b	ppb	0.0586	0.1	98643.5
Ca 370.602	33618b	ppb	40.25	0.1	56648
Cd 226.502	47.0810b	ppb	0.2485	0.5	1927.86
Co 228.615	880.101b	ppb	10.4693	1.2	7092.65
Cr 267.716	638.206b	ppb	1.3613	0.2	10052.0
Cu 324.754	712.708b	ppb	2.6793	0.4	25953.0
Fe 271.441	395574b	ppb	476.902	0.1	294393
K 766.491	41235.8xb	ppb	252.374	0.6	5286244
Mg 279.078	65210.3b	ppb	265.070	0.4	73589.1
Mn 257.610	14276.9b	ppb	21.6791	0.2	1352465
Mo 202.032	557.276b	ppb	0.5916	0.1	1887.00
Na 330.237	10152.2b	ppb	280.078	2.8	425.537
Ni 231.604	682.680b	ppb	3.6960	0.5	2015.90
Pb 220.353	702.684b	ppb	9.4578	1.3	557.043
Sb 206.834	477.604b	ppb	12.4840	2.6	312.586
Se 196.026	1951.88b	ppb	26.1770	1.3	547.926
Sn 189.925	1005.92b	ppb	5.3005	0.5	630.724
Sr 216.596	932.883b	ppb	2.3866	0.3	5824.54
Ti 334.941	7740.85b	ppb	7.3861	0.1	1617544
Tl 190.794	1908.54b	ppb	8.6905	0.5	879.191
V 292.401	1345.54b	ppb	1.2124	0.1	37852.6
Zn 206.200	1268.77b	ppb	2.4219	0.2	3931.08

680-88866-a-1-b ms (Samp)

4/3/2013, 12:24:20 AM

Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.5286	ppb	0.6957	10.7	147.646
Al 308.215	238876	ppb	1615.89	0.7	665200
As 188.980	106.797	ppb	15.5822	14.6	36.6966
B 249.678	185.155	ppb	2.0343	1.1	832.521
Ba 389.178	1329.78	ppb	8.4194	0.6	22431.9
Be 313.042	59.4513	ppb	0.2969	0.5	90321.4
Ca 370.602	19814	ppb	14.11	0.1	10905
Cd 226.502	42.4384	ppb	0.1788	0.4	1746.27
Co 228.615	374.896	ppb	2.3754	0.6	3060.60
Cr 267.716	458.446	ppb	2.4693	0.5	7197.73
Cu 324.754	448.126	ppb	1.6749	0.4	16425.2
Fe 271.441	359355	ppb	1684.35	0.5	267418
K 766.491	33301.4	ppb	177.059	0.5	4270796
Mg 279.078	49848.8	ppb	321.526	0.6	56061.3
Mn 257.610	15940.0	ppb	79.7642	0.5	1509794
Mo 202.032	176.929	ppb	2.8758	1.6	573.444
Na 330.237	7541.47	ppb	192.374	2.6	284.132
Ni 231.604	254.825	ppb	0.9323	0.4	768.394
Pb 220.353	226.163	ppb	3.3026	1.5	163.338
Sb 206.834	25.8980	ppb	4.5398	17.5	21.8409
Se 196.026	87.1806	ppb	15.1006	17.3	24.4956
Sn 189.925	190.163	ppb	4.0170	2.1	121.555
Sr 216.596	385.291	ppb	1.8833	0.5	2504.00
Ti 334.941	5957.44	ppb	26.0661	0.4	1244894

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	31.4987	ppb	11.2929	35.9	0.6336
V 292.401	848.355	ppb	4.5604	0.5	23930.6
Zn 206.200	686.730	ppb	5.9357	0.9	2138.47

680-88866-a-1-c msd (Samp) 4/3/2013, 12:29:48 AM Rack 3, Tube 11

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.8722b	ppb	1.5248	22.2	157.373
Al 308.215	275322b	ppb	364.949	0.1	766671
As 188.980	111.057b	ppb	6.7008	6.0	38.2401
B 249.678	202.365b	ppb	0.7067	0.3	878.689
Ba 389.178	1504.90b	ppb	2.6984	0.2	25384.2
Be 313.042	64.2713b	ppb	0.0958	0.1	97659.3
Ca 370.602	21039b	ppb	46.66	0.2	7405
Cd 226.502	46.1920b	ppb	0.3496	0.8	1927.94
Co 228.615	484.814b	ppb	1.2323	0.3	3944.74
Cr 267.716	522.787b	ppb	2.2752	0.4	8205.85
Cu 324.754	502.881b	ppb	2.2599	0.4	18414.8
Fe 271.441	405046b	ppb	712.072	0.2	301419
K 766.491	37679.7xb	ppb	27.2835	0.1	4831390
Mg 279.078	55649.5b	ppb	156.689	0.3	62562.6
Mn 257.610	18285.3b	ppb	54.9160	0.3	1731884
Mo 202.032	184.779b	ppb	1.0635	0.6	594.983
Na 330.237	8341.49b	ppb	320.113	3.8	309.629
Ni 231.604	277.813b	ppb	1.6676	0.6	838.131
Pb 220.353	277.980b	ppb	1.7221	0.6	202.409
Sb 206.834	32.3621b	ppb	12.0755	37.3	26.4581
Se 196.026	112.858b	ppb	8.0148	7.1	31.3783
Sn 189.925	210.100b	ppb	2.1644	1.0	134.182
Sr 216.596	425.714b	ppb	1.0539	0.2	2770.58
Ti 334.941	6716.57b	ppb	14.1650	0.2	1403513
Tl 190.794	34.7854b	ppb	11.1549	32.1	0.6721
V 292.401	970.983b	ppb	0.6267	0.1	27388.4
Zn 206.200	773.486b	ppb	1.6166	0.2	2406.61

680-88866-a-2-a (Samp) 4/3/2013, 12:35:16 AM Rack 3, Tube 12

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1259b	ppb	1.1243	892.7	-146.275
Al 308.215	417769b	ppb	938.016	0.2	1163247
As 188.980	18.5746b	ppb	2.6133	14.1	3.4200
B 249.678	65.8252b	ppb	1.0171	1.5	-395.010
Ba 389.178	1592.13b	ppb	4.3306	0.3	26929.7
Be 313.042	14.7822b	ppb	0.0313	0.2	23096.7
Ca 370.602	20898b	ppb	31.13	0.1	-59.40
Cd 226.502	-1.8819b	ppb	0.7567	40.2	941.197
Co 228.615	119.038b	ppb	0.3890	0.3	1088.85
Cr 267.716	522.047b	ppb	2.4421	0.5	8157.76
Cu 324.754	470.658b	ppb	1.4496	0.3	17247.3
Fe 271.441	442549b	ppb	1154.00	0.3	329305
K 766.491	63217.3xb	ppb	197.061	0.3	8101488

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	90202.2b	ppb	167.898	0.2	102162
Mn 257.610	2703.64b	ppb	9.0987	0.3	257036
Mo 202.032	23.4699b	ppb	2.1556	9.2	32.6647
Na 330.237	3463.55b	ppb	111.364	3.2	-49.4062
Ni 231.604	262.115b	ppb	0.2287	0.1	796.362
Pb 220.353	124.336b	ppb	2.8800	2.3	58.8570
Sb 206.834	10.9719b	ppb	9.3853	85.5	8.6862
Se 196.026	14.6110b	ppb	15.5647	106.5	0.6513
Sn 189.925	16.8447b	ppb	9.0006	53.4	14.4807
Sr 216.596	358.602b	ppb	1.5911	0.4	2386.57
Ti 334.941	10003.6b	ppb	29.9278	0.3	2090303
Tl 190.794	-6.2415b	ppb	5.3867	86.3	-19.8810
V 292.401	968.534b	ppb	3.3528	0.3	27424.7
Zn 206.200	678.971b	ppb	2.5787	0.4	2117.74

Cont Calib Verif (CCV)

4/3/2013, 12:40:44 AM

Rack 3, Tube 13

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	482.140	ppb	33.5710	7.0	14942.9	96.42799
Al 308.215	4928.05	ppb	176.554	3.6	14113.4	98.56091
As 188.980	476.786	ppb	13.7583	2.9	177.093	95.35725
B 249.678	502.713	ppb	16.1387	3.2	4393.58	20.10852Q
Ba 389.178	4835.91	ppb	141.639	2.9	79800.0	96.71829
Be 313.042	481.600	ppb	15.5352	3.2	728912	96.31990
Ca 370.602	4989	ppb	149.7	3.0	18306	99.78732
Cd 226.502	475.552	ppb	16.0751	3.4	10672.7	95.11031
Co 228.615	484.953	ppb	15.5734	3.2	3851.23	96.99053
Cr 267.716	4860.70	ppb	163.019	3.4	77808.4	97.21393
Cu 324.754	4635.05	ppb	412.605	8.9	167613	92.70094
Fe 271.441	4951.62	ppb	180.638	3.6	3769.41	99.03239
K 766.491	9826.98	ppb	290.656	3.0	1263937	98.26981
Mg 279.078	4833.88	ppb	153.170	3.2	5596.78	96.67753
Mn 257.610	5002.17	ppb	164.146	3.3	473827	100.04343
Mo 202.032	491.272	ppb	15.8928	3.2	1698.66	98.25438
Na 330.237	7292.08	ppb	282.972	3.9	475.296	97.22771
Ni 231.604	2406.68	ppb	76.6898	3.2	7005.07	96.26709
Pb 220.353	486.862	ppb	14.1764	2.9	404.057	97.37230
Sb 206.834	924.499	ppb	28.3528	3.1	634.954	36.97997Q
Se 196.026	4760.54	ppb	154.195	3.2	1342.56	95.21074
Sn 189.925	4884.46	ppb	174.416	3.6	3047.89	97.68920
Sr 216.596	2415.02	ppb	75.2464	3.1	14569.4	96.60069
Ti 334.941	495.384	ppb	16.3503	3.3	103891	99.07687
Tl 190.794	4947.71	ppb	148.804	3.0	2319.38	98.95422
V 292.401	4898.25	ppb	157.323	3.2	137493	97.96494
Zn 206.200	2410.45	ppb	79.4830	3.3	7418.28	96.41806

Cont Calib Blank (CCB)

4/3/2013, 12:46:12 AM

Rack 3, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4143	ppb	0.6313	152.4	-24.4789	0.41434
Al 308.215	-35.5243	ppb	2.4012	6.8	45.0753	-35.52433

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	5.2182	ppb	3.6194	69.4	-0.8724	5.21819
B 249.678	0.3966	ppb	0.8363	210.8	53.6806	0.39664
Ba 389.178	-0.1411	ppb	0.7023	497.8	-15.3294	-0.14109
Be 313.042	-0.1749	ppb	0.0044	2.5	-42.2788	-0.17486
Ca 370.602	-51.19	ppb	0.9936	1.9	-86.73	-51.19119
Cd 226.502	-0.8950	ppb	0.1432	16.0	11.0315	-0.89496
Co 228.615	-0.7031	ppb	0.1516	21.6	-8.1195	-0.70305
Cr 267.716	-0.9031	ppb	0.3304	36.6	18.6678	-0.90308
Cu 324.754	-0.9685	ppb	0.1882	19.4	133.033	-0.96849
Fe 271.441	-32.0624	ppb	8.9736	28.0	1.7196	-32.06239Z
K 766.491	-33.7631	ppb	0.4423	1.3	2557.88	-33.76310
Mg 279.078	-38.8171	ppb	4.1300	10.6	23.8874	-38.81711
Mn 257.610	-2.4212	ppb	0.0705	2.9	53.2461	-2.42116
Mo 202.032	-1.1403	ppb	0.2322	20.4	1.0837	-1.14029
Na 330.237	-82.4145	ppb	44.9635	54.6	-3.2297	-82.41452
Ni 231.604	-1.6869	ppb	0.9347	55.4	-0.7323	-1.68686
Pb 220.353	-1.8858	ppb	4.3725	231.9	1.2602	-1.88579
Sb 206.834	0.0096	ppb	2.6881	28072.1	2.1380	0.00958
Se 196.026	-0.9138	ppb	5.7161	625.5	2.9497	-0.91380
Sn 189.925	-2.3203	ppb	0.6713	28.9	0.0313	-2.32033
Sr 216.596	-1.5336	ppb	0.5398	35.2	-5.6225	-1.53362
Ti 334.941	-0.4033	ppb	0.0327	8.1	0.3779	-0.40329
Tl 190.794	-0.1005	ppb	4.0033	3982.2	-1.6511	-0.10053
V 292.401	-0.3706	ppb	0.1852	50.0	16.0294	-0.37061
Zn 206.200	-2.8516	ppb	0.3504	12.3	6.8179	-2.85158

680-88866-a-3-a (Samp)

4/3/2013, 12:51:40 AM

Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2094b	ppb	0.8088	66.9	-133.979
Al 308.215	267137b	ppb	319.480	0.1	743876
As 188.980	33.8137b	ppb	4.6914	13.9	8.0168
B 249.678	78.6240b	ppb	1.5815	2.0	-102.378
Ba 389.178	1276.21b	ppb	2.1260	0.2	21653.7
Be 313.042	12.5197b	ppb	0.0237	0.2	19582.5
Ca 370.602	106820b	ppb	54.96	0.1	338796
Cd 226.502	-0.5895b	ppb	0.6872	116.6	795.347
Co 228.615	156.060b	ppb	0.6941	0.4	1344.86
Cr 267.716	417.254b	ppb	0.4322	0.1	6528.01
Cu 324.754	438.130b	ppb	0.6127	0.1	15823.7
Fe 271.441	363703b	ppb	531.857	0.1	270642
K 766.491	57780.5xb	ppb	94.9236	0.2	7405384
Mg 279.078	104410b	ppb	180.023	0.2	118757
Mn 257.610	7917.76b	ppb	28.7380	0.4	750544
Mo 202.032	91.3677b	ppb	3.1271	3.4	276.726
Na 330.237	5107.70b	ppb	103.300	2.0	113.026
Ni 231.604	225.012b	ppb	1.0529	0.5	684.189
Pb 220.353	250.317b	ppb	11.5876	4.6	180.638
Sb 206.834	8.9067b	ppb	5.8753	66.0	9.2412
Se 196.026	18.0606b	ppb	11.4715	63.5	4.1282
Sn 189.925	26.4083b	ppb	4.3182	16.4	19.4655
Sr 216.596	1039.04b	ppb	3.1655	0.3	6482.61
Ti 334.941	7445.57b	ppb	14.5832	0.2	1555912

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-4.7745b	ppb	8.2775	173.4	-17.0054
V 292.401	784.147b	ppb	0.7395	0.1	22176.6
Zn 206.200	703.837b	ppb	3.3042	0.5	2193.26

680-88866-a-4-a (Samp) **4/3/2013, 12:57:08 AM** **Rack 3, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0634b	ppb	0.6112	57.5	-184.966
Al 308.215	455349b	ppb	5134.90	1.1	1267865
As 188.980	60.5285b	ppb	3.3465	5.5	19.2057
B 249.678	107.587b	ppb	0.0445	0.0	-158.079
Ba 389.178	1506.61b	ppb	15.5322	1.0	25584.0
Be 313.042	15.6027b	ppb	0.1598	1.0	24267.8
Ca 370.602	17179b	ppb	80.87	0.5	-23833
Cd 226.502	-2.7686b	ppb	0.4358	15.7	1035.69
Co 228.615	113.045b	ppb	1.0993	1.0	1038.81
Cr 267.716	598.241b	ppb	5.5003	0.9	9349.52
Cu 324.754	490.566b	ppb	6.0435	1.2	18004.8
Fe 271.441	496082b	ppb	5060.54	1.0	369134
K 766.491	67196.3xb	ppb	687.839	1.0	8611023
Mg 279.078	91875.0b	ppb	994.837	1.1	103897
Mn 257.610	2704.97b	ppb	28.6582	1.1	257226
Mo 202.032	156.335b	ppb	1.8801	1.2	487.066
Na 330.237	2178.44b	ppb	141.378	6.5	-157.539
Ni 231.604	301.037b	ppb	2.9160	1.0	912.801
Pb 220.353	141.986b	ppb	5.2984	3.7	69.0050
Sb 206.834	15.9374b	ppb	4.0177	25.2	13.9111
Se 196.026	11.4201b	ppb	13.8807	121.5	-1.2376
Sn 189.925	20.6607b	ppb	2.0264	9.8	16.8637
Sr 216.596	411.716b	ppb	3.3851	0.8	2730.91
Ti 334.941	9921.55b	ppb	103.168	1.0	2073165
Tl 190.794	-15.3998b	ppb	4.6472	30.2	-27.0759
V 292.401	876.495b	ppb	8.9373	1.0	24808.1
Zn 206.200	717.916b	ppb	5.9648	0.8	2238.70

680-88866-a-5-a (Samp) **4/3/2013, 1:02:36 AM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2976b	ppb	0.1405	47.2	-133.412
Al 308.215	346942b	ppb	16767.8	4.8	966064
As 188.980	30.9206b	ppb	8.4333	27.3	7.8025
B 249.678	121.910b	ppb	1.4734	1.2	107.033
Ba 389.178	1294.46b	ppb	58.2939	4.5	22008.1
Be 313.042	14.7720b	ppb	0.6882	4.7	23048.5
Ca 370.602	41961b	ppb	937.8	2.2	80812
Cd 226.502	-0.6658b	ppb	2.3104	347.0	947.677
Co 228.615	165.000b	ppb	8.2316	5.0	1425.82
Cr 267.716	489.178b	ppb	21.6216	4.4	7637.45
Cu 324.754	529.135b	ppb	13.9147	2.6	19313.4
Fe 271.441	434984b	ppb	19704.1	4.5	323679
K 766.491	60328.9xb	ppb	2738.50	4.5	7731707

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	88263.9b	ppb	3982.77	4.5	99958.2
Mn 257.610	5076.20b	ppb	227.430	4.5	481600
Mo 202.032	242.315b	ppb	12.5947	5.2	791.583
Na 330.237	7035.58b	ppb	126.072	1.8	199.662
Ni 231.604	254.042b	ppb	14.5830	5.7	772.272
Pb 220.353	181.378b	ppb	9.6629	5.3	113.811
Sb 206.834	15.0012b	ppb	3.6757	24.5	13.3192
Se 196.026	27.8795b	ppb	24.7628	88.8	4.8165
Sn 189.925	21.0207b	ppb	3.2783	15.6	16.5678
Sr 216.596	619.068b	ppb	28.8749	4.7	3960.68
Ti 334.941	8254.31b	ppb	367.278	4.4	1724829
Tl 190.794	7.0426b	ppb	2.8210	40.1	-14.1191
V 292.401	948.323b	ppb	43.9809	4.6	26785.2
Zn 206.200	805.266b	ppb	39.5960	4.9	2506.44

680-88866-a-6-a (Samp)

4/3/2013, 1:08:03 AM

Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9861b	ppb	0.2233	11.2	-160.831
Al 308.215	277329b	ppb	351.024	0.1	772251
As 188.980	26.5545b	ppb	10.5109	39.6	5.6430
B 249.678	66.4595b	ppb	2.2738	3.4	-213.748
Ba 389.178	1283.85b	ppb	2.0745	0.2	21773.4
Be 313.042	12.9005b	ppb	0.0194	0.2	20168.3
Ca 370.602	80986b	ppb	89.37	0.1	240614
Cd 226.502	-1.3406b	ppb	0.1147	8.6	785.346
Co 228.615	170.389b	ppb	0.4960	0.3	1457.55
Cr 267.716	424.358b	ppb	0.6460	0.2	6639.19
Cu 324.754	447.741b	ppb	2.2870	0.5	16242.5
Fe 271.441	366386b	ppb	691.872	0.2	272639
K 766.491	58855.4xb	ppb	52.0099	0.1	7543024
Mg 279.078	99535.9b	ppb	153.282	0.2	113147
Mn 257.610	7311.54b	ppb	20.5791	0.3	693145
Mo 202.032	40.2257b	ppb	2.9411	7.3	99.0988
Na 330.237	15909.7b	ppb	180.896	1.1	816.543
Ni 231.604	229.645b	ppb	1.6799	0.7	697.641
Pb 220.353	143.097b	ppb	9.6336	6.7	90.0674
Sb 206.834	5.9694b	ppb	7.5702	126.8	7.5617
Se 196.026	24.4050b	ppb	3.1499	12.9	5.6541
Sn 189.925	19.7899b	ppb	0.6142	3.1	15.4033
Sr 216.596	843.454b	ppb	2.0163	0.2	5296.12
Ti 334.941	7295.92b	ppb	8.9418	0.1	1524619
Tl 190.794	-5.7709b	ppb	16.0606	278.3	-17.4462
V 292.401	808.175b	ppb	0.8871	0.1	22864.9
Zn 206.200	723.240b	ppb	1.3225	0.2	2252.86

680-88866-a-7-a (Samp)

4/3/2013, 1:13:31 AM

Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4913b	ppb	0.1290	26.3	-119.821
Al 308.215	237259b	ppb	1402.29	0.6	660699

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	90.0136b	ppb	9.3679	10.4	27.4991
B 249.678	121.315b	ppb	1.9741	1.6	205.618
Ba 389.178	1110.44b	ppb	5.1169	0.5	19117.7
Be 313.042	14.1367b	ppb	0.0600	0.4	22120.1
Ca 370.602	221301b	ppb	1288	0.6	766530
Cd 226.502	3.2511b	ppb	0.3691	11.4	935.686
Co 228.615	168.313b	ppb	1.5081	0.9	1449.38
Cr 267.716	493.164b	ppb	2.3808	0.5	7728.26
Cu 324.754	672.914b	ppb	3.7398	0.6	24011.6
Fe 271.441	390129b	ppb	1966.05	0.5	290306
K 766.491	101766xb	ppb	484.522	0.5	13037780
Mg 279.078	195107b	ppb	1267.50	0.6	222885
Mn 257.610	7809.56b	ppb	37.4566	0.5	740558
Mo 202.032	115.403b	ppb	1.1597	1.0	355.928
Na 330.237	55044.5b	ppb	208.729	0.4	3351.95
Ni 231.604	284.218b	ppb	2.5411	0.9	861.341
Pb 220.353	330.979b	ppb	8.9384	2.7	251.060
Sb 206.834	13.4675b	ppb	8.6774	64.4	13.2846
Se 196.026	19.2381b	ppb	10.8647	56.5	4.6948
Sn 189.925	217.547b	ppb	3.9593	1.8	138.386
Sr 216.596	2523.42b	ppb	11.8457	0.5	15510.4
Ti 334.941	7961.78b	ppb	39.1328	0.5	1663896
Tl 190.794	-2.2176b	ppb	4.3983	198.3	-17.1976
V 292.401	925.808b	ppb	5.8475	0.6	26165.4
Zn 206.200	1519.65b	ppb	3.9667	0.3	4708.29

680-88866-a-8-a (Samp)

4/3/2013, 1:18:59 AM

Rack 3, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1838b	ppb	0.0994	8.4	-52.4989
Al 308.215	173379b	ppb	2211.94	1.3	482849
As 188.980	212.389b	ppb	12.2253	5.8	74.4231
B 249.678	102.345b	ppb	1.8282	1.8	273.932
Ba 389.178	1645.56b	ppb	23.9506	1.5	27717.5
Be 313.042	10.3277b	ppb	0.1480	1.4	16229.8
Ca 370.602	161494b	ppb	2310	1.4	558785
Cd 226.502	3.4475b	ppb	0.5078	14.7	724.067
Co 228.615	133.441b	ppb	3.3973	2.5	1159.31
Cr 267.716	390.781b	ppb	4.8308	1.2	6142.46
Cu 324.754	912.525b	ppb	10.0271	1.1	32793.8
Fe 271.441	288889b	ppb	3998.08	1.4	214977
K 766.491	74970.0xb	ppb	1002.35	1.3	9606424
Mg 279.078	135819b	ppb	1806.91	1.3	155115
Mn 257.610	6301.85b	ppb	88.4375	1.4	597565
Mo 202.032	58.7483b	ppb	0.9157	1.6	172.229
Na 330.237	35330.7b	ppb	411.900	1.2	2120.67
Ni 231.604	220.412b	ppb	3.4581	1.6	667.506
Pb 220.353	685.644b	ppb	9.5987	1.4	554.938
Sb 206.834	16.9917b	ppb	1.2267	7.2	12.2348
Se 196.026	16.6545b	ppb	7.3825	44.3	5.0173
Sn 189.925	773.240b	ppb	10.0786	1.3	484.935
Sr 216.596	1818.22b	ppb	22.8121	1.3	11180.2
Ti 334.941	7055.48b	ppb	91.7980	1.3	1474458

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2.6825b	ppb	6.7043	249.9	-10.2729
V 292.401	688.644b	ppb	9.6123	1.4	19483.3
Zn 206.200	1173.97b	ppb	20.6494	1.8	3639.99

680-88866-a-9-a (Samp) **4/3/2013, 1:24:27 AM** **Rack 3, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8376b	ppb	0.8473	101.2	-143.925
Al 308.215	268017b	ppb	1611.05	0.6	746331
As 188.980	125.226b	ppb	1.3942	1.1	39.8606
B 249.678	130.142b	ppb	1.9185	1.5	117.310
Ba 389.178	1382.78b	ppb	9.6111	0.7	23751.0
Be 313.042	15.7509b	ppb	0.1237	0.8	24669.5
Ca 370.602	277401b	ppb	2044	0.7	965684
Cd 226.502	15.4947b	ppb	0.4975	3.2	1362.10
Co 228.615	201.544b	ppb	0.6566	0.3	1742.14
Cr 267.716	551.485b	ppb	4.9672	0.9	8625.58
Cu 324.754	827.527b	ppb	1.8904	0.2	29466.1
Fe 271.441	462222b	ppb	3638.06	0.8	343947
K 766.491	114673xb	ppb	728.734	0.6	14690501
Mg 279.078	226049b	ppb	1613.78	0.7	258185
Mn 257.610	9426.46b	ppb	62.1059	0.7	893797
Mo 202.032	101.460b	ppb	0.5933	0.6	298.327
Na 330.237	62256.2b	ppb	571.539	0.9	3775.04
Ni 231.604	320.780b	ppb	1.6637	0.5	973.139
Pb 220.353	270.272b	ppb	3.3363	1.2	196.573
Sb 206.834	13.3261b	ppb	11.2953	84.8	13.0872
Se 196.026	11.3054b	ppb	21.9341	194.0	1.7486
Sn 189.925	71.8274b	ppb	1.9985	2.8	47.7993
Sr 216.596	2935.32b	ppb	24.0462	0.8	18047.1
Ti 334.941	9937.80b	ppb	85.8166	0.9	2076829
Tl 190.794	-11.0436b	ppb	9.2892	84.1	-23.6515
V 292.401	1096.51b	ppb	8.2541	0.8	30999.1
Zn 206.200	2108.52b	ppb	17.3357	0.8	6523.81

680-88866-a-10-a (Samp) **4/3/2013, 1:29:55 AM** **Rack 3, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7646b	ppb	1.3680	77.5	-171.296
Al 308.215	237626b	ppb	1597.73	0.7	661722
As 188.980	62.1712b	ppb	10.0517	16.2	16.9053
B 249.678	117.794b	ppb	0.5796	0.5	70.4732
Ba 389.178	808.034b	ppb	5.8162	0.7	14185.6
Be 313.042	15.0538b	ppb	0.1526	1.0	23585.9
Ca 370.602	226624b	ppb	1490	0.7	778426
Cd 226.502	-0.3060b	ppb	1.0756	351.6	951.926
Co 228.615	179.225b	ppb	1.2192	0.7	1548.35
Cr 267.716	514.860b	ppb	3.8003	0.7	8050.39
Cu 324.754	644.235b	ppb	3.6731	0.6	22973.6
Fe 271.441	435870b	ppb	3084.44	0.7	324340
K 766.491	110711xb	ppb	650.941	0.6	14183309

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	196836b	ppb	1341.61	0.7	224712
Mn 257.610	7647.95b	ppb	56.5719	0.7	725325
Mo 202.032	87.5572b	ppb	1.8519	2.1	253.202
Na 330.237	34418.3b	ppb	223.355	0.6	1979.96
Ni 231.604	312.025b	ppb	2.5430	0.8	945.006
Pb 220.353	140.333b	ppb	1.3093	0.9	91.4877
Sb 206.834	1.8051b	ppb	3.3634	186.3	6.0967
Se 196.026	11.8146b	ppb	6.7346	57.0	1.6493
Sn 189.925	19.0947b	ppb	3.4110	17.9	14.8031
Sr 216.596	2224.25b	ppb	16.5965	0.7	13714.9
Ti 334.941	8778.39b	ppb	58.2998	0.7	1834527
Tl 190.794	-4.9261b	ppb	8.1728	165.9	-19.7107
V 292.401	1058.74b	ppb	6.8182	0.6	29928.9
Zn 206.200	1040.64b	ppb	6.5690	0.6	3234.67

680-88866-a-11-a (Samp) 4/3/2013, 1:35:23 AM Rack 3, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3260b	ppb	0.9318	285.8	-119.451
Al 308.215	215544b	ppb	640.938	0.3	600244
As 188.980	199.105b	ppb	13.8177	6.9	68.7252
B 249.678	140.728b	ppb	0.8676	0.6	367.724
Ba 389.178	1578.26b	ppb	5.6729	0.4	26810.4
Be 313.042	13.2310b	ppb	0.0508	0.4	20738.3
Ca 370.602	205430b	ppb	1262	0.6	706264
Cd 226.502	8.9324b	ppb	0.4653	5.2	1066.22
Co 228.615	180.151b	ppb	1.5360	0.9	1559.60
Cr 267.716	495.707b	ppb	1.6295	0.3	7768.57
Cu 324.754	894.754b	ppb	3.8559	0.4	32065.3
Fe 271.441	392447b	ppb	988.934	0.3	292031
K 766.491	94082.0xb	ppb	345.870	0.4	12053753
Mg 279.078	180455b	ppb	455.722	0.3	206040
Mn 257.610	7783.21b	ppb	14.4731	0.2	738043
Mo 202.032	193.003b	ppb	2.6283	1.4	624.411
Na 330.237	40629.5b	ppb	226.382	0.6	2402.76
Ni 231.604	296.846b	ppb	3.2469	1.1	897.617
Pb 220.353	542.585b	ppb	14.9463	2.8	430.061
Sb 206.834	12.0215b	ppb	8.9475	74.4	9.4620
Se 196.026	7.1267b	ppb	17.4972	245.5	1.0177
Sn 189.925	584.566b	ppb	10.5158	1.8	367.655
Sr 216.596	2231.97b	ppb	8.2398	0.4	13738.7
Ti 334.941	9208.29b	ppb	25.3661	0.3	1924321
Tl 190.794	3.2802b	ppb	14.4835	441.5	-13.5890
V 292.401	915.936b	ppb	1.7885	0.2	25881.6
Zn 206.200	1574.06b	ppb	7.2047	0.5	4875.36

680-88866-a-12-a (Samp) 4/3/2013, 1:40:51 AM Rack 3, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9001b	ppb	0.8801	97.8	-142.727
Al 308.215	271940b	ppb	486.544	0.2	757251

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	51.6033b	ppb	7.3835	14.3	12.3008
B 249.678	121.910b	ppb	0.2841	0.2	47.1745
Ba 389.178	863.850b	ppb	2.9836	0.3	15170.8
Be 313.042	16.1251b	ppb	0.0702	0.4	25224.0
Ca 370.602	269690b	ppb	933.5	0.3	936478
Cd 226.502	-0.5965b	ppb	0.4666	78.2	1001.53
Co 228.615	196.349b	ppb	1.0498	0.5	1681.73
Cr 267.716	533.549b	ppb	2.9803	0.6	8337.30
Cu 324.754	670.586b	ppb	2.2738	0.3	23822.9
Fe 271.441	461592b	ppb	1804.23	0.4	343478
K 766.491	114901xb	ppb	360.230	0.3	14719897
Mg 279.078	215948b	ppb	412.282	0.2	246580
Mn 257.610	8984.09b	ppb	36.6010	0.4	851880
Mo 202.032	84.7889b	ppb	1.2051	1.4	240.663
Na 330.237	63483.0b	ppb	294.474	0.5	3863.38
Ni 231.604	304.941b	ppb	4.4503	1.5	926.667
Pb 220.353	112.974b	ppb	13.4306	11.9	64.8261
Sb 206.834	4.4987b	ppb	7.1645	159.3	9.4261
Se 196.026	7.6802b	ppb	16.5236	215.1	0.5769
Sn 189.925	28.6932b	ppb	3.1483	11.0	20.5814
Sr 216.596	2528.22b	ppb	4.5244	0.2	15575.6
Ti 334.941	8549.99b	ppb	32.2564	0.4	1786854
Tl 190.794	-4.1224b	ppb	11.8090	286.5	-21.2789
V 292.401	1080.66b	ppb	3.5822	0.3	30546.1
Zn 206.200	1059.07b	ppb	3.5747	0.3	3292.61

Cont Calib Verif (CCV)

4/3/2013, 1:46:20 AM

Rack 3, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.610	ppb	5.0189	1.0	15237.0	98.32199
Al 308.215	4957.00	ppb	14.0792	0.3	14194.4	99.14006
As 188.980	474.570	ppb	2.4714	0.5	176.262	94.91408
B 249.678	502.715	ppb	1.6627	0.3	4393.62	20.10861Q
Ba 389.178	4817.79	ppb	19.3765	0.4	79501.1	96.35586
Be 313.042	481.365	ppb	1.8574	0.4	728564	96.27306
Ca 370.602	4984	ppb	13.57	0.3	18290	99.68597
Cd 226.502	474.143	ppb	2.0867	0.4	10641.1	94.82858
Co 228.615	483.192	ppb	2.0023	0.4	3837.26	96.63834
Cr 267.716	4850.02	ppb	19.1520	0.4	77637.4	97.00038
Cu 324.754	4783.59	ppb	34.9284	0.7	172981	95.67177
Fe 271.441	4935.08	ppb	15.0480	0.3	3757.15	98.70157
K 766.491	9882.45	ppb	16.4796	0.2	1271043	98.82452
Mg 279.078	4860.05	ppb	14.0085	0.3	5626.91	97.20108
Mn 257.610	4994.62	ppb	14.7657	0.3	473112	99.89241
Mo 202.032	494.488	ppb	2.6264	0.5	1709.80	98.89766
Na 330.237	7232.23	ppb	198.795	2.7	471.375	96.42970
Ni 231.604	2409.06	ppb	7.8150	0.3	7011.98	96.36237
Pb 220.353	489.644	ppb	4.8310	1.0	406.375	97.92877
Sb 206.834	925.873	ppb	4.4037	0.5	635.881	37.03492Q
Se 196.026	4755.59	ppb	29.9236	0.6	1341.17	95.11178
Sn 189.925	4882.75	ppb	13.9549	0.3	3046.83	97.65507
Sr 216.596	2418.49	ppb	11.6596	0.5	14590.2	96.73975
Ti 334.941	496.666	ppb	1.9211	0.4	104159	99.33327

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4938.56	ppb	40.4152	0.8	2315.11	98.77111
V 292.401	4909.43	ppb	18.6339	0.4	137807	98.18868
Zn 206.200	2396.77	ppb	5.9653	0.2	7376.14	95.87096

Cont Calib Blank (CCB)

4/3/2013, 1:51:48 AM

Rack 3, Tube 26

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.7539	ppb	0.6258	83.0	-13.9310	0.75389
Al 308.215	-32.5854	ppb	3.6075	11.1	53.2780	-32.58545
As 188.980	-2.6988	ppb	5.2016	192.7	-3.8475	-2.69884
B 249.678	0.3756	ppb	0.1516	40.4	53.4739	0.37555
Ba 389.178	-0.0787	ppb	1.1854	1506.4	-14.2816	-0.07869
Be 313.042	-0.1500	ppb	0.0294	19.6	-4.5673	-0.15001
Ca 370.602	-45.25	ppb	6.781	15.0	-65.97	-45.25086
Cd 226.502	-0.7522	ppb	0.1315	17.5	14.2420	-0.75224
Co 228.615	-0.7818	ppb	0.1482	19.0	-8.7411	-0.78176
Cr 267.716	-0.6986	ppb	0.1006	14.4	21.9337	-0.69856
Cu 324.754	-0.6602	ppb	0.6652	100.8	144.160	-0.66022
Fe 271.441	-21.4400	ppb	14.7551	68.8	9.6210	-21.44000
K 766.491	-30.8435	ppb	2.2465	7.3	2931.69	-30.84350
Mg 279.078	-31.7657	ppb	2.1540	6.8	31.9564	-31.76575
Mn 257.610	-2.0124	ppb	0.5127	25.5	91.9602	-2.01241
Mo 202.032	-0.5887	ppb	1.1641	197.7	2.9942	-0.58871
Na 330.237	-92.2136	ppb	68.4090	74.2	-3.8748	-92.21357
Ni 231.604	-0.8735	ppb	0.2680	30.7	1.6373	-0.87346
Pb 220.353	-0.2105	ppb	3.4645	1646.1	2.6591	-0.21046
Sb 206.834	3.4680	ppb	0.8322	24.0	4.3945	3.46803
Se 196.026	-2.9679	ppb	8.4815	285.8	2.3721	-2.96786
Sn 189.925	-5.3245	ppb	1.2615	23.7	-1.8423	-5.32450
Sr 216.596	-1.3582	ppb	0.0509	3.7	-4.5841	-1.35820
Ti 334.941	-0.2043	ppb	0.1964	96.1	41.9750	-0.20433
Tl 190.794	6.1358	ppb	1.3724	22.4	1.2672	6.13580
V 292.401	0.0777	ppb	0.3651	470.2	28.6265	0.07766
Zn 206.200	-3.1526	ppb	0.2198	7.0	5.8901	-3.15260

680-88866-a-13-a (Samp)

4/3/2013, 1:57:17 AM

Rack 3, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.7147b	ppb	0.5551	14.9	-14.8148
Al 308.215	273403b	ppb	1306.84	0.5	761331
As 188.980	368.238b	ppb	4.1609	1.1	131.991
B 249.678	197.080b	ppb	1.4604	0.7	768.371
Ba 389.178	2719.13b	ppb	13.6054	0.5	45694.0
Be 313.042	15.5752b	ppb	0.0987	0.6	24377.6
Ca 370.602	222909b	ppb	1146	0.5	765843
Cd 226.502	14.8574b	ppb	0.6440	4.3	1282.91
Co 228.615	243.127b	ppb	2.5389	1.0	2126.76
Cr 267.716	622.875b	ppb	3.3288	0.5	9787.04
Cu 324.754	1479.92b	ppb	15.4404	1.0	53152.0
Fe 271.441	430784b	ppb	2487.73	0.6	320559
K 766.491	107351xb	ppb	530.363	0.5	13752503

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	191548b	ppb	834.729	0.4	218651
Mn 257.610	8543.41b	ppb	50.4036	0.6	810125
Mo 202.032	168.731b	ppb	1.6680	1.0	535.695
Na 330.237	41731.5b	ppb	280.048	0.7	2424.26
Ni 231.604	426.527b	ppb	1.9489	0.5	1277.40
Pb 220.353	1100.14b	ppb	1.9072	0.2	889.415
Sb 206.834	49.3616b	ppb	7.8932	16.0	24.6401
Se 196.026	50.3048b	ppb	13.8238	27.5	12.8182
Sn 189.925	2593.17b	ppb	26.0355	1.0	1621.49
Sr 216.596	2169.20b	ppb	13.6595	0.6	13372.5
Ti 334.941	13965.8b	ppb	83.0913	0.6	2918367
Tl 190.794	24.1391b	ppb	7.8046	32.3	-2.7692
V 292.401	1079.17b	ppb	6.3592	0.6	30523.4
Zn 206.200	2621.40b	ppb	13.8717	0.5	8100.55

680-88866-a-14-a (Samp)

4/3/2013, 2:02:45 AM

Rack 3, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1249b	ppb	0.7359	589.4	-121.109
Al 308.215	244895b	ppb	593.887	0.2	681956
As 188.980	183.746b	ppb	1.4267	0.8	63.4150
B 249.678	158.024b	ppb	0.6045	0.4	302.994
Ba 389.178	1592.72b	ppb	3.0064	0.2	27176.7
Be 313.042	16.0609b	ppb	0.0195	0.1	25095.8
Ca 370.602	165713b	ppb	693.2	0.4	539291
Cd 226.502	10.5651b	ppb	0.4398	4.2	1300.16
Co 228.615	204.981b	ppb	1.2254	0.6	1761.72
Cr 267.716	563.400b	ppb	1.6966	0.3	8801.97
Cu 324.754	2150.05b	ppb	12.7986	0.6	77582.4
Fe 271.441	485650b	ppb	1123.28	0.2	361378
K 766.491	108728xb	ppb	189.643	0.2	13929179
Mg 279.078	191713b	ppb	486.937	0.3	218647
Mn 257.610	8558.34b	ppb	14.7066	0.2	811552
Mo 202.032	175.334b	ppb	1.2875	0.7	551.070
Na 330.237	39029.1b	ppb	282.410	0.7	2255.81
Ni 231.604	328.347b	ppb	2.3784	0.7	995.228
Pb 220.353	385.519b	ppb	3.8589	1.0	295.179
Sb 206.834	18.3580b	ppb	13.1675	71.7	16.1896
Se 196.026	-2.1645b	ppb	13.9216	643.2	-3.3568
Sn 189.925	347.078b	ppb	5.9117	1.7	219.763
Sr 216.596	1939.35b	ppb	3.9638	0.2	12002.6
Ti 334.941	9424.87b	ppb	17.3357	0.2	1969538
Tl 190.794	2.3889b	ppb	5.6884	238.1	-17.4612
V 292.401	1087.40b	ppb	3.0403	0.3	30727.0
Zn 206.200	3215.95b	ppb	4.3318	0.1	9932.58

680-88866-a-15-a (Samp)

4/3/2013, 2:08:14 AM

Rack 3, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2161b	ppb	0.8222	67.6	-77.5603
Al 308.215	231137b	ppb	1366.64	0.6	643649

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	238.288b	ppb	12.3822	5.2	83.9227
B 249.678	117.678b	ppb	0.6375	0.5	12.8414
Ba 389.178	794.328b	ppb	2.9743	0.4	13957.8
Be 313.042	13.9449b	ppb	0.0780	0.6	21827.3
Ca 370.602	166061b	ppb	317.6	0.2	545023
Cd 226.502	-1.1507b	ppb	0.4025	35.0	983.241
Co 228.615	184.678b	ppb	0.5311	0.3	1567.90
Cr 267.716	494.100b	ppb	2.5496	0.5	7704.58
Cu 324.754	783.177b	ppb	3.5604	0.5	28183.2
Fe 271.441	459932b	ppb	1910.44	0.4	342241
K 766.491	101520xb	ppb	437.879	0.4	13006451
Mg 279.078	181387b	ppb	938.423	0.5	206874
Mn 257.610	7578.02b	ppb	25.7921	0.3	718674
Mo 202.032	177.403b	ppb	1.1658	0.7	561.670
Na 330.237	44096.3b	ppb	217.383	0.5	2610.76
Ni 231.604	304.529b	ppb	0.5343	0.2	924.041
Pb 220.353	393.736b	ppb	12.3142	3.1	303.721
Sb 206.834	8.9681b	ppb	4.6887	52.3	13.1407
Se 196.026	24.0815b	ppb	14.4026	59.8	4.2626
Sn 189.925	29.2849b	ppb	1.9620	6.7	20.9862
Sr 216.596	2082.45b	ppb	11.4946	0.6	12861.1
Ti 334.941	7129.62b	ppb	37.2394	0.5	1489968
Tl 190.794	-6.9249b	ppb	4.5408	65.6	-22.2891
V 292.401	954.087b	ppb	5.2940	0.6	26954.0
Zn 206.200	942.421b	ppb	2.5557	0.3	2932.41

680-88866-a-16-a (Samp)

4/3/2013, 2:13:43 AM

Rack 3, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6345b	ppb	0.4505	71.0	-132.085
Al 308.215	274139b	ppb	2691.11	1.0	763374
As 188.980	76.9067b	ppb	6.8494	8.9	22.9315
B 249.678	126.357b	ppb	0.8653	0.7	90.8799
Ba 389.178	913.354b	ppb	8.2463	0.9	15946.9
Be 313.042	15.5819b	ppb	0.1511	1.0	24371.1
Ca 370.602	190512b	ppb	1412	0.7	637702
Cd 226.502	-0.5509b	ppb	0.2253	40.9	997.556
Co 228.615	207.526b	ppb	1.4818	0.7	1762.73
Cr 267.716	507.772b	ppb	3.1569	0.6	7925.69
Cu 324.754	778.382b	ppb	7.7454	1.0	27935.8
Fe 271.441	458990b	ppb	4178.71	0.9	341543
K 766.491	111564xb	ppb	842.537	0.8	14292539
Mg 279.078	195927b	ppb	1840.24	0.9	223583
Mn 257.610	8957.31b	ppb	75.7022	0.8	849286
Mo 202.032	133.550b	ppb	4.4419	3.3	410.085
Na 330.237	60674.0b	ppb	590.234	1.0	3684.87
Ni 231.604	315.916b	ppb	3.5855	1.1	957.638
Pb 220.353	219.880b	ppb	4.5946	2.1	153.958
Sb 206.834	6.7636b	ppb	6.2730	92.7	10.5977
Se 196.026	7.8888b	ppb	8.5660	108.6	0.3103
Sn 189.925	22.3038b	ppb	3.5738	16.0	16.7708
Sr 216.596	2098.75b	ppb	19.8480	0.9	12961.8
Ti 334.941	8040.03b	ppb	80.8031	1.0	1680217

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-16.7763b	ppb	3.1715	18.9	-26.7413
V 292.401	1065.08b	ppb	9.8413	0.9	30092.6
Zn 206.200	954.844b	ppb	9.3645	1.0	2971.06

680-88866-a-17-a (Samp) **4/3/2013, 2:19:11 AM** **Rack 3, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7011b	ppb	0.7207	102.8	-132.455
Al 308.215	289056b	ppb	489.522	0.2	804907
As 188.980	67.8621b	ppb	9.7399	14.4	18.7789
B 249.678	124.373b	ppb	2.2141	1.8	112.692
Ba 389.178	990.542b	ppb	1.0043	0.1	17233.5
Be 313.042	16.3012b	ppb	0.0018	0.0	25491.6
Ca 370.602	245400b	ppb	518.3	0.2	848216
Cd 226.502	-0.0766b	ppb	0.6987	912.7	973.696
Co 228.615	193.362b	ppb	1.5582	0.8	1657.91
Cr 267.716	513.313b	ppb	0.2722	0.1	8023.93
Cu 324.754	717.690b	ppb	3.7948	0.5	25582.1
Fe 271.441	442062b	ppb	308.742	0.1	328947
K 766.491	117963xb	ppb	82.4210	0.1	15111909
Mg 279.078	213843b	ppb	332.142	0.2	244230
Mn 257.610	9086.30b	ppb	11.6982	0.1	861527
Mo 202.032	109.307b	ppb	0.1398	0.1	328.360
Na 330.237	80481.5b	ppb	178.032	0.2	4979.67
Ni 231.604	290.360b	ppb	1.0320	0.4	883.000
Pb 220.353	135.656b	ppb	3.3901	2.5	82.1323
Sb 206.834	7.6368b	ppb	4.5964	60.2	10.4332
Se 196.026	-14.1186b	ppb	28.8005	204.0	-5.1634
Sn 189.925	26.1615b	ppb	3.6529	14.0	19.1047
Sr 216.596	2691.50b	ppb	2.2039	0.1	16557.4
Ti 334.941	8580.81b	ppb	7.0709	0.1	1793264
Tl 190.794	-21.3407b	ppb	7.2006	33.7	-28.4500
V 292.401	1099.59b	ppb	2.9450	0.3	31071.1
Zn 206.200	1002.15b	ppb	2.0328	0.2	3116.87

680-88866-a-18-a (Samp) **4/3/2013, 2:24:40 AM** **Rack 3, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1456b	ppb	0.5614	49.0	-95.0695
Al 308.215	231491b	ppb	229.903	0.1	644626
As 188.980	162.024b	ppb	8.7839	5.4	55.4271
B 249.678	113.343b	ppb	1.0300	0.9	-182.077
Ba 389.178	1050.65b	ppb	2.2139	0.2	18211.6
Be 313.042	12.6005b	ppb	0.0237	0.2	19807.0
Ca 370.602	147283b	ppb	344.7	0.2	461651
Cd 226.502	3.7754b	ppb	0.1066	2.8	1237.12
Co 228.615	214.496b	ppb	0.0886	0.0	1815.50
Cr 267.716	446.564b	ppb	2.3043	0.5	6906.92
Cu 324.754	821.684b	ppb	5.3490	0.7	29650.5
Fe 271.441	528600b	ppb	1307.47	0.2	393334
K 766.491	93075.9xb	ppb	81.0486	0.1	11925061

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	152515b	ppb	126.641	0.1	173455
Mn 257.610	7407.58b	ppb	13.2370	0.2	702553
Mo 202.032	147.817b	ppb	1.5371	1.0	450.137
Na 330.237	44329.2b	ppb	141.805	0.3	2589.51
Ni 231.604	338.550b	ppb	0.8692	0.3	1025.99
Pb 220.353	411.962b	ppb	3.5891	0.9	318.584
Sb 206.834	15.9276b	ppb	5.5374	34.8	17.7624
Se 196.026	24.7628b	ppb	7.6739	31.0	2.7448
Sn 189.925	51.6183b	ppb	1.9951	3.9	35.1639
Sr 216.596	1530.23b	ppb	1.7811	0.1	9538.67
Ti 334.941	7790.53b	ppb	8.9616	0.1	1628036
Tl 190.794	-7.2875b	ppb	1.0133	13.9	-24.6388
V 292.401	966.638b	ppb	1.4294	0.1	27337.0
Zn 206.200	1251.59b	ppb	3.6432	0.3	3885.10

680-88875-a-1-a (Samp)

4/3/2013, 2:30:09 AM

Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3159	ppb	0.4935	4.8	316.581
Al 308.215	15962.6	ppb	120.244	0.8	44585.7
As 188.980	1.8824	ppb	3.3051	175.6	-2.2934
B 249.678	47.0788	ppb	0.3713	0.8	409.774
Ba 389.178	648.954	ppb	4.9679	0.8	10721.6
Be 313.042	0.1861	ppb	0.0098	5.3	516.196
Ca 370.602	14562	ppb	77.17	0.5	51665
Cd 226.502	156.807	ppb	1.1152	0.7	3580.60
Co 228.615	5.4267	ppb	0.2014	3.7	43.7885
Cr 267.716	284.827	ppb	3.2048	1.1	4592.10
Cu 324.754	214.304	ppb	2.8068	1.3	7881.86
Fe 271.441	20623.2	ppb	154.274	0.7	15369.8
K 766.491	3859.46	ppb	18.9345	0.5	500915
Mg 279.078	2764.18	ppb	32.2017	1.2	3156.72
Mn 257.610	9011.94	ppb	60.5596	0.7	853413
Mo 202.032	46.8882	ppb	0.4475	1.0	165.087
Na 330.237	2573.09	ppb	96.9571	3.8	159.043
Ni 231.604	50.3189	ppb	0.4221	0.8	151.826
Pb 220.353	20.7878	ppb	3.2960	15.9	18.0537
Sb 206.834	-0.8546	ppb	3.8284	448.0	4.3665
Se 196.026	3.0155	ppb	15.2662	506.3	5.4937
Sn 189.925	22.1231	ppb	5.3149	24.0	15.2859
Sr 216.596	110.582	ppb	1.0672	1.0	682.833
Ti 334.941	244.693	ppb	2.2853	0.9	51243.1
Tl 190.794	1.9627	ppb	2.4040	122.5	-1.7077
V 292.401	29.3407	ppb	0.2332	0.8	812.313
Zn 206.200	401.435	ppb	2.4544	0.6	1250.97

mb 680-271368/1-a (Samp)

4/3/2013, 2:35:37 AM

Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2092	ppb	0.4005	191.4	-43.8565
Al 308.215	-20.6135	ppb	6.0143	29.2	86.5836

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.8626	ppb	6.2130	720.2	-2.5097
B 249.678	-0.6918	ppb	0.7938	114.7	44.2211
Ba 389.178	-1.1765	ppb	0.3908	33.2	-32.2906
Be 313.042	-0.2098	ppb	0.0067	3.2	-95.2478
Ca 370.602	-20.23	ppb	3.703	18.3	27.76
Cd 226.502	-0.7138	ppb	0.3081	43.2	15.1113
Co 228.615	-0.8349	ppb	0.2165	25.9	-9.1717
Cr 267.716	-0.9287	ppb	0.0802	8.6	18.2541
Cu 324.754	-1.6745	ppb	0.5826	34.8	107.460
Fe 271.441	-16.9328	ppb	3.2916	19.4	12.9605
K 766.491	-19.1996	ppb	4.3487	22.7	4423.09
Mg 279.078	17.7259	ppb	11.4149	64.4	88.8123
Mn 257.610	-2.2312	ppb	0.1304	5.8	71.3828
Mo 202.032	-0.4691	ppb	0.8740	186.3	3.4098
Na 330.237	56.1528	ppb	57.3652	102.2	5.7897
Ni 231.604	-0.2250	ppb	1.3367	594.1	3.5197
Pb 220.353	-3.9959	ppb	0.8887	22.2	-0.5050
Sb 206.834	0.7327	ppb	1.4284	194.9	2.5889
Se 196.026	-2.0936	ppb	6.5614	313.4	2.6182
Sn 189.925	8.0804	ppb	1.6678	20.6	6.5181
Sr 216.596	-1.8521	ppb	0.6366	34.4	-7.6139
Ti 334.941	0.1218	ppb	0.1018	83.6	110.135
Tl 190.794	-2.8323	ppb	0.7837	27.7	-2.9316
V 292.401	-0.6628	ppb	0.1601	24.2	7.6684
Zn 206.200	-2.2686	ppb	1.0018	44.2	8.6140

ics 680-271368/2-a (Samp)

4/3/2013, 2:41:06 AM

Rack 3, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	31.7704	ppb	0.2031	0.6	950.697
Al 308.215	5245.68	ppb	14.4243	0.3	14755.2
As 188.980	98.1320	ppb	1.2146	1.2	33.9869
B 249.678	189.175	ppb	1.3639	0.7	1675.20
Ba 389.178	107.344	ppb	0.5221	0.5	1774.12
Be 313.042	53.6220	ppb	0.0801	0.1	81092.0
Ca 370.602	5198	ppb	19.25	0.4	18835
Cd 226.502	52.7713	ppb	0.3226	0.6	1221.91
Co 228.615	53.2448	ppb	0.2291	0.4	420.111
Cr 267.716	107.304	ppb	0.5877	0.5	1748.03
Cu 324.754	106.420	ppb	0.6317	0.6	4001.97
Fe 271.441	5145.58	ppb	16.2406	0.3	3857.34
K 766.491	5208.69	ppb	15.1791	0.3	673831
Mg 279.078	5060.48	ppb	11.8936	0.2	5864.39
Mn 257.610	559.367	ppb	1.4198	0.3	53253.3
Mo 202.032	104.059	ppb	0.8446	0.8	365.040
Na 330.237	4821.31	ppb	166.904	3.5	313.292
Ni 231.604	104.158	ppb	0.5427	0.5	307.511
Pb 220.353	51.4172	ppb	3.4466	6.7	44.9452
Sb 206.834	48.3188	ppb	4.1057	8.5	34.1590
Se 196.026	90.8810	ppb	0.3884	0.4	28.8248
Sn 189.925	210.201	ppb	1.7469	0.8	132.583
Sr 216.596	103.574	ppb	0.3875	0.4	629.517
Ti 334.941	103.859	ppb	0.2393	0.2	21797.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	40.4456	ppb	5.9330	14.7	17.1618
V 292.401	104.057	ppb	0.1232	0.1	2925.38
Zn 206.200	101.626	ppb	2.4115	2.4	328.352

ics 680-271368/3-a (Samp) 4/3/2013, 2:46:35 AM Rack 3, Tube 36
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.006	ppb	1.3060	0.6	6274.63
Al 308.215	2180.97	ppb	6.6430	0.3	6228.25
As 188.980	204.259	ppb	7.5159	3.7	73.6534
B 249.678	374.536	ppb	1.1053	0.3	3245.16
Ba 389.178	198.304	ppb	0.5703	0.3	3320.99
Be 313.042	208.382	ppb	0.6089	0.3	314397
Ca 370.602	20602	ppb	56.97	0.3	74253
Cd 226.502	202.783	ppb	0.6748	0.3	4607.98
Co 228.615	206.971	ppb	1.8172	0.9	1640.80
Cr 267.716	209.372	ppb	0.6129	0.3	3374.58
Cu 324.754	207.939	ppb	2.5184	1.2	7637.06
Fe 271.441	20797.6	ppb	61.0504	0.3	15510.6
K 766.491	19956.1	ppb	35.3194	0.2	2562233
Mg 279.078	19928.1	ppb	71.7525	0.4	22891.2
Mn 257.610	2152.81	ppb	5.9163	0.3	204149
Mo 202.032	205.392	ppb	0.5176	0.3	714.126
Na 330.237	18148.0	ppb	97.8956	0.5	1173.75
Ni 231.604	207.727	ppb	0.1151	0.1	610.026
Pb 220.353	194.231	ppb	3.2302	1.7	164.242
Sb 206.834	187.156	ppb	1.3467	0.7	126.366
Se 196.026	190.230	ppb	7.9371	4.2	56.8690
Sn 189.925	211.694	ppb	6.6801	3.2	133.487
Sr 216.596	212.896	ppb	0.7788	0.4	1295.66
Ti 334.941	203.397	ppb	0.5210	0.3	42617.3
Tl 190.794	34.0580	ppb	4.1932	12.3	13.7287
V 292.401	206.162	ppb	0.6792	0.3	5771.17
Zn 206.200	189.804	ppb	0.3592	0.2	600.314

Cont Calib Verif (CCV) 4/3/2013, 2:52:03 AM Rack 3, Tube 37
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.199	ppb	0.7867	0.2	15348.6	99.03981
Al 308.215	5003.63	ppb	14.4230	0.3	14327.4	100.07260
As 188.980	488.221	ppb	7.4743	1.5	181.399	97.64421
B 249.678	509.228	ppb	0.5434	0.1	4449.94	20.36911Q
Ba 389.178	4874.90	ppb	5.8802	0.1	80443.5	97.49799
Be 313.042	486.788	ppb	0.6878	0.1	736774	97.35762
Ca 370.602	5035	ppb	8.231	0.2	18476	100.69891
Cd 226.502	478.747	ppb	0.9795	0.2	10744.2	95.74932
Co 228.615	488.885	ppb	0.7351	0.2	3882.50	97.77699
Cr 267.716	4902.08	ppb	2.2758	0.0	78470.4	98.04163
Cu 324.754	4819.66	ppb	19.9319	0.4	174284	96.39314
Fe 271.441	4979.58	ppb	14.9754	0.3	3791.04	99.59159
K 766.491	9968.27	ppb	10.7965	0.1	1282017	99.68271

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4905.27	ppb	12.1413	0.2	5678.61	98.10536
Mn 257.610	5046.36	ppb	3.8954	0.1	478009	100.92711
Mo 202.032	498.036	ppb	1.2848	0.3	1721.97	99.60728
Na 330.237	7544.44	ppb	118.267	1.6	491.716	100.59248
Ni 231.604	2435.98	ppb	4.3663	0.2	7090.29	97.43908
Pb 220.353	494.695	ppb	1.8373	0.4	410.542	98.93898
Sb 206.834	939.016	ppb	4.3103	0.5	644.718	37.56066Q
Se 196.026	4787.71	ppb	12.5475	0.3	1350.21	95.75430
Sn 189.925	4944.00	ppb	18.8976	0.4	3085.03	98.87992
Sr 216.596	2441.82	ppb	3.5961	0.1	14730.8	97.67300
Ti 334.941	500.104	ppb	0.7927	0.2	104880	100.02090
Tl 190.794	4991.26	ppb	12.3207	0.2	2339.85	99.82523
V 292.401	4972.46	ppb	7.5358	0.2	139577	99.44916
Zn 206.200	2424.22	ppb	7.0307	0.3	7460.46	96.96889

Cont Calib Blank (CCB)

4/3/2013, 2:57:32 AM

Rack 3, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1125	ppb	0.7241	643.6	-33.8531	0.11251
Al 308.215	-39.8513	ppb	3.4093	8.6	33.0306	-39.85128
As 188.980	4.2502	ppb	4.7465	111.7	-1.2361	4.25023
B 249.678	0.8559	ppb	0.1767	20.6	57.6625	0.85589
Ba 389.178	-0.1246	ppb	0.7252	581.9	-15.0728	-0.12463
Be 313.042	-0.1873	ppb	0.0036	1.9	-61.0492	-0.18729
Ca 370.602	-47.10	ppb	2.610	5.5	-69.89	-47.09946
Cd 226.502	-0.7357	ppb	0.1936	26.3	14.5760	-0.73565
Co 228.615	-0.9996	ppb	0.2272	22.7	-10.4782	-0.99955
Cr 267.716	-1.4655	ppb	0.1524	10.4	9.6694	-1.46551
Cu 324.754	-1.4200	ppb	0.2749	19.4	116.700	-1.41998
Fe 271.441	-39.5583	ppb	3.0491	7.7	-3.8751	-39.55826Z
K 766.491	-35.0114	ppb	0.3441	1.0	2398.05	-35.01144
Mg 279.078	-41.8892	ppb	2.1033	5.0	20.3844	-41.88923
Mn 257.610	-2.4387	ppb	0.0213	0.9	51.5667	-2.43871
Mo 202.032	-0.7811	ppb	0.3294	42.2	2.3300	-0.78113
Na 330.237	10.6336	ppb	96.5951	908.4	2.8362	10.63361
Ni 231.604	-1.9800	ppb	0.4805	24.3	-1.5855	-1.97998
Pb 220.353	-1.7709	ppb	3.4218	193.2	1.3568	-1.77088
Sb 206.834	1.5274	ppb	4.3322	283.6	3.1242	1.52738
Se 196.026	-4.7189	ppb	4.2106	89.2	1.8800	-4.71895
Sn 189.925	-4.8760	ppb	3.1363	64.3	-1.5626	-4.87602
Sr 216.596	-1.4715	ppb	0.3158	21.5	-5.2409	-1.47148
Ti 334.941	-0.5361	ppb	0.0368	6.9	-27.3846	-0.53605
Tl 190.794	-0.3967	ppb	3.7266	939.5	-1.7903	-0.39666
V 292.401	-0.3807	ppb	0.2149	56.5	15.7359	-0.38066
Zn 206.200	-3.7065	ppb	0.1910	5.2	4.1868	-3.70654

680-88811-b-22-d (Samp)

4/3/2013, 3:03:01 AM

Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.4728	ppb	0.7756	52.7	-28.7152
Al 308.215	104781	ppb	161.739	0.2	291843

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	268.671	ppb	3.6615	1.4	90.8205
B 249.678	77.4166	ppb	0.6423	0.8	-302.964
Ba 389.178	1436.01	ppb	5.7865	0.4	24417.7
Be 313.042	13.3041	ppb	0.0691	0.5	20739.5
Ca 370.602	488636	ppb	2738	0.6	1765938
Cd 226.502	15.0253	ppb	0.4209	2.8	1306.25
Co 228.615	90.9099	ppb	0.5661	0.6	747.216
Cr 267.716	596.113	ppb	3.5825	0.6	9348.51
Cu 324.754	871.473	ppb	5.4591	0.6	30528.7
Fe 271.441	445565	ppb	2100.14	0.5	331544
K 766.491	10078.4	ppb	30.9004	0.3	1297022
Mg 279.078	123395	ppb	146.048	0.1	140277
Mn 257.610	12188.2	ppb	56.4088	0.5	1154873
Mo 202.032	17.1080	ppb	1.0467	6.1	6.8325
Na 330.237	1868.80	ppb	131.701	7.0	-87.7038
Ni 231.604	130.314	ppb	3.4996	2.7	414.448
Pb 220.353	2633.49	ppb	16.4831	0.6	2188.54
Sb 206.834	15.6708	ppb	0.7569	4.8	30.5392
Se 196.026	10.3872	ppb	12.6744	122.0	1.8344
Sn 189.925	202.001	ppb	3.0823	1.5	126.044
Sr 216.596	857.951	ppb	3.1228	0.4	5439.77
Ti 334.941	1437.71	ppb	7.5194	0.5	301053
Tl 190.794	-10.5548	ppb	3.1773	30.1	-29.2645
V 292.401	578.783	ppb	1.9284	0.3	16357.6
Zn 206.200	4395.31	ppb	14.2030	0.3	13560.0

680-88811-b-22-dSD^5 (Samp) 4/3/2013, 3:08:29 AM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0292	ppb	0.2135	20.7	-12.8765
Al 308.215	20485.8	ppb	1602.89	7.8	57174.0
As 188.980	54.1575	ppb	10.1458	18.7	15.9916
B 249.678	17.0733	ppb	0.4841	2.8	-18.3220
Ba 389.178	297.289	ppb	23.6264	7.9	5046.21
Be 313.042	2.5848	ppb	0.2258	8.7	4213.34
Ca 370.602	101891	ppb	7725	7.6	368087
Cd 226.502	1.9976	ppb	1.2166	60.9	274.177
Co 228.615	19.0146	ppb	1.5145	8.0	154.235
Cr 267.716	122.938	ppb	9.7241	7.9	1953.19
Cu 324.754	171.038	ppb	15.3084	9.0	6113.27
Fe 271.441	94128.2	ppb	7477.45	7.9	70060.6
K 766.491	1664.37	ppb	135.081	8.1	219923
Mg 279.078	25153.3	ppb	1929.17	7.7	28637.0
Mn 257.610	2640.84	ppb	212.261	8.0	250443
Mo 202.032	2.6671	ppb	1.3791	51.7	2.1066
Na 330.237	374.153	ppb	87.1309	23.3	-18.1366
Ni 231.604	29.1266	ppb	3.5937	12.3	95.4583
Pb 220.353	558.254	ppb	48.4542	8.7	466.358
Sb 206.834	5.0312	ppb	5.4415	108.2	9.2463
Se 196.026	-7.9668	ppb	9.6786	121.5	0.0564
Sn 189.925	35.3854	ppb	2.2811	6.4	23.2511
Sr 216.596	178.904	ppb	15.1616	8.5	1137.71
Ti 334.941	296.264	ppb	23.5647	8.0	62105.7

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.1132	ppb	1.7024	1503.4	-6.3315
V 292.401	119.081	ppb	9.5119	8.0	3386.56
Zn 206.200	946.770	ppb	73.2674	7.7	2933.05

680-88811-b-22-dPDS (Samp) 4/3/2013, 3:13:58 AM Rack 3, Tube 41

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.2496	ppb	2.0814	4.1	1487.23
Al 308.215	104028	ppb	1597.45	1.5	289783
As 188.980	2231.70	ppb	43.2189	1.9	828.639
B 249.678	1011.29	ppb	12.5555	1.2	7808.65
Ba 389.178	3368.50	ppb	51.9518	1.5	56288.6
Be 313.042	61.3865	ppb	0.5367	0.9	93431.0
Ca 370.602	481206	ppb	5899	1.2	1740089
Cd 226.502	60.5720	ppb	1.7354	2.9	2300.06
Co 228.615	557.088	ppb	26.1503	4.7	4454.72
Cr 267.716	774.006	ppb	13.3847	1.7	12200.2
Cu 324.754	1109.91	ppb	13.3217	1.2	39154.3
Fe 271.441	433873	ppb	7005.17	1.6	322870
K 766.491	16251.2	ppb	269.756	1.7	2086944
Mg 279.078	124960	ppb	2056.26	1.6	142116
Mn 257.610	12360.5	ppb	145.840	1.2	1171187
Mo 202.032	500.882	ppb	6.3357	1.3	1684.84
Na 330.237	7120.85	ppb	124.085	1.7	254.008
Ni 231.604	594.791	ppb	7.5581	1.3	1765.01
Pb 220.353	3024.06	ppb	49.1812	1.6	2514.07
Sb 206.834	484.755	ppb	8.4171	1.7	332.426
Se 196.026	1927.04	ppb	13.5255	0.7	540.963
Sn 189.925	1113.57	ppb	19.5965	1.8	694.820
Sr 216.596	1300.34	ppb	10.7246	0.8	8094.42
Ti 334.941	2347.83	ppb	35.0257	1.5	491217
Tl 190.794	1808.55	ppb	27.0336	1.5	823.956
V 292.401	1041.36	ppb	14.6961	1.4	29261.1
Zn 206.200	4730.29	ppb	73.9889	1.6	14590.4

680-88811-b-22-e ms (Samp) 4/3/2013, 3:19:27 AM Rack 3, Tube 42

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.9476	ppb	0.5295	1.6	935.105
Al 308.215	105783	ppb	6.1587	0.0	294642
As 188.980	399.614	ppb	10.6809	2.7	142.560
B 249.678	225.211	ppb	1.1761	0.5	989.240
Ba 389.178	1470.45	ppb	4.2163	0.3	25022.3
Be 313.042	59.2663	ppb	0.1301	0.2	90033.1
Ca 370.602	310260	ppb	1077	0.3	1093020
Cd 226.502	63.7014	ppb	0.3693	0.6	2382.20
Co 228.615	128.152	ppb	1.3092	1.0	1045.66
Cr 267.716	727.397	ppb	2.0352	0.3	11448.7
Cu 324.754	927.436	ppb	7.7693	0.8	33033.2
Fe 271.441	439393	ppb	869.343	0.2	326954
K 766.491	13845.5	ppb	38.9731	0.3	1779398

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	146557	ppb	57.6204	0.0	166920
Mn 257.610	9019.25	ppb	14.3193	0.2	854942
Mo 202.032	117.889	ppb	0.6109	0.5	356.798
Na 330.237	6782.49	ppb	160.653	2.4	233.013
Ni 231.604	360.229	ppb	3.1836	0.9	1083.44
Pb 220.353	3050.36	ppb	11.3394	0.4	2536.49
Sb 206.834	464.831	ppb	15.1868	3.3	319.311
Se 196.026	121.650	ppb	16.5023	13.6	32.2082
Sn 189.925	1309.26	ppb	13.8669	1.1	817.375
Sr 216.596	380.572	ppb	2.2793	0.6	2520.14
Ti 334.941	1774.81	ppb	3.4541	0.2	371307
Tl 190.794	28.5330	ppb	15.4962	54.3	-8.7112
V 292.401	711.048	ppb	0.2617	0.0	20057.6
Zn 206.200	4503.75	ppb	16.0656	0.4	13894.0

680-88811-b-22-f msd (Samp) 4/3/2013, 3:24:55 AM Rack 3, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.9081	ppb	0.8546	2.6	962.209
Al 308.215	98414.9	ppb	701.964	0.7	274131
As 188.980	286.392	ppb	14.2304	5.0	96.9840
B 249.678	245.052	ppb	1.4775	0.6	1466.76
Ba 389.178	1849.94	ppb	14.8495	0.8	31253.3
Be 313.042	61.1088	ppb	0.4653	0.8	92714.2
Ca 370.602	532908	ppb	3932	0.7	1958363
Cd 226.502	66.8052	ppb	0.7635	1.1	2173.42
Co 228.615	119.186	ppb	0.5740	0.5	969.896
Cr 267.716	499.033	ppb	3.9057	0.8	7867.06
Cu 324.754	1079.39	ppb	16.3060	1.5	37870.2
Fe 271.441	306533	ppb	2260.50	0.7	228101
K 766.491	17916.1	ppb	124.036	0.7	2300546
Mg 279.078	214312	ppb	1512.09	0.7	245244
Mn 257.610	9750.57	ppb	73.3088	0.8	924189
Mo 202.032	111.893	ppb	0.4313	0.4	353.669
Na 330.237	7252.31	ppb	90.4043	1.2	327.820
Ni 231.604	262.021	ppb	1.3135	0.5	792.489
Pb 220.353	3113.84	ppb	19.7274	0.6	2591.25
Sb 206.834	55.4001	ppb	1.9718	3.6	51.9044
Se 196.026	113.303	ppb	21.0213	18.6	33.8818
Sn 189.925	433.188	ppb	1.9686	0.5	270.069
Sr 216.596	648.587	ppb	6.7493	1.0	4098.19
Ti 334.941	1569.36	ppb	11.1360	0.7	328599
Tl 190.794	22.5810	ppb	3.4159	15.1	-8.3936
V 292.401	448.798	ppb	3.1395	0.7	12661.7
Zn 206.200	4790.91	ppb	33.1656	0.7	14778.0

680-88811-b-23-b (Samp) 4/3/2013, 3:30:24 AM Rack 3, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.4289b	ppb	0.6256	14.1	147.816
Al 308.215	98786.1b	ppb	154.237	0.2	275164

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	139.022b	ppb	8.0995	5.8	43.1093
B 249.678	139.786b	ppb	0.7715	0.6	-298.159
Ba 389.178	1368.08b	ppb	2.8917	0.2	23848.3
Be 313.042	10.5475b	ppb	0.0260	0.2	16875.7
Ca 370.602	544455b	ppb	1398	0.3	1936034
Cd 226.502	17.5900b	ppb	0.2742	1.6	1850.06
Co 228.615	67.2124b	ppb	0.3000	0.4	593.702
Cr 267.716	9684.96b	ppb	30.5291	0.3	154758
Cu 324.754	1007.26b	ppb	9.9636	1.0	35378.6
Fe 271.441	677496b	ppb	1575.30	0.2	504093
K 766.491	11073.8b	ppb	21.4855	0.2	1424491
Mg 279.078	266991b	ppb	346.247	0.1	304401
Mn 257.610	52101.9xb	ppb	993.291	1.9	4933859
Mo 202.032	29.2694b	ppb	0.8713	3.0	17.8432
Na 330.237	1978.50b	ppb	86.7707	4.4	-202.526
Ni 231.604	157.597b	ppb	3.5962	2.3	513.125
Pb 220.353	2246.37b	ppb	9.2774	0.4	1856.65
Sb 206.834	-40.5334b	ppb	2.1956	5.4	82.4005
Se 196.026	35.9272b	ppb	19.9114	55.4	12.9535
Sn 189.925	153.235b	ppb	4.6946	3.1	95.9214
Sr 216.596	457.483b	ppb	1.7618	0.4	3118.10
Ti 334.941	3287.18b	ppb	6.8743	0.2	688070
Tl 190.794	6.5493b	ppb	5.2663	80.4	-29.7486
V 292.401	1096.63b	ppb	1.8429	0.2	30371.1
Zn 206.200	4389.44b	ppb	5.6440	0.1	13517.4

680-88811-b-27-b (Samp)

4/3/2013, 3:35:53 AM

Rack 3, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.1421	ppb	1.1750	22.9	72.7112
Al 308.215	93491.3	ppb	8259.76	8.8	260393
As 188.980	171.735	ppb	4.4559	2.6	59.2818
B 249.678	112.537	ppb	3.1306	2.8	-177.070
Ba 389.178	1298.83	ppb	112.310	8.6	22094.9
Be 313.042	7.3071	ppb	0.6844	9.4	11459.3
Ca 370.602	132969	ppb	8796	6.6	408197
Cd 226.502	19.4109	ppb	5.4030	27.8	1564.26
Co 228.615	76.4626	ppb	6.6944	8.8	636.249
Cr 267.716	490.854	ppb	41.2476	8.4	7624.64
Cu 324.754	1682.54	ppb	117.037	7.0	60842.9
Fe 271.441	522432	ppb	44857.0	8.6	388731
K 766.491	7912.66	ppb	506.783	6.4	1019739
Mg 279.078	43409.4	ppb	3584.28	8.3	48092.7
Mn 257.610	12642.5	ppb	1035.77	8.2	1197771
Mo 202.032	48.8683	ppb	4.6604	9.5	107.255
Na 330.237	2954.24	ppb	257.485	8.7	-39.4549
Ni 231.604	258.735	ppb	23.2535	9.0	789.478
Pb 220.353	3877.01	ppb	325.492	8.4	3228.23
Sb 206.834	85.1441	ppb	11.9042	14.0	72.2485
Se 196.026	23.1058	ppb	5.5966	24.2	2.2341
Sn 189.925	714.937	ppb	57.5580	8.1	447.375
Sr 216.596	246.923	ppb	23.2139	9.4	1744.11
Ti 334.941	1679.27	ppb	145.217	8.6	351137

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-12.4410	ppb	9.6462	77.5	-30.0377
V 292.401	332.920	ppb	29.0382	8.7	9451.96
Zn 206.200	13784.7	ppb	1144.19	8.3	42466.3

680-88811-b-30-b (Samp) **4/3/2013, 3:41:22 AM** **Rack 3, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7966	ppb	0.3691	20.5	9.6147
Al 308.215	106801	ppb	150.478	0.1	297476
As 188.980	184.486	ppb	7.9996	4.3	65.1773
B 249.678	63.5186	ppb	0.2626	0.4	-135.453
Ba 389.178	3513.97	ppb	5.9100	0.2	58347.9
Be 313.042	8.9788	ppb	0.0186	0.2	14055.6
Ca 370.602	76053	ppb	116.7	0.2	229827
Cd 226.502	15.9907	ppb	0.2536	1.6	1065.80
Co 228.615	108.626	ppb	1.1403	1.0	887.906
Cr 267.716	660.613	ppb	1.4224	0.2	10450.0
Cu 324.754	574.976	ppb	3.7817	0.7	20870.8
Fe 271.441	320332	ppb	406.362	0.1	238367
K 766.491	8792.33	ppb	17.5463	0.2	1131792
Mg 279.078	13390.1	ppb	20.5499	0.2	14306.0
Mn 257.610	13258.9	ppb	26.0138	0.2	1255817
Mo 202.032	20.5016	ppb	1.8736	9.1	35.0146
Na 330.237	1850.07	ppb	60.1843	3.3	-25.4680
Ni 231.604	127.661	ppb	1.6306	1.3	395.079
Pb 220.353	3609.89	ppb	1.4805	0.0	3004.72
Sb 206.834	16.5249	ppb	4.5556	27.6	24.8497
Se 196.026	7.0065	ppb	17.0159	242.9	1.7381
Sn 189.925	114.992	ppb	5.4071	4.7	73.3394
Sr 216.596	366.114	ppb	0.8205	0.2	2376.98
Ti 334.941	1498.41	ppb	1.9134	0.1	313295
Tl 190.794	-6.9696	ppb	8.0751	115.9	-18.4813
V 292.401	481.903	ppb	0.7143	0.1	13597.7
Zn 206.200	7701.21	ppb	7.3185	0.1	23730.8

680-88811-b-34-b (Samp) **4/3/2013, 3:46:50 AM** **Rack 3, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	146.802	ppb	5.6490	3.8	4461.46
Al 308.215	136014	ppb	7022.68	5.2	378773
As 188.980	212.418	ppb	10.5174	5.0	75.0532
B 249.678	94.0175	ppb	3.3610	3.6	-572.949
Ba 389.178	2499.07	ppb	98.6381	3.9	41983.7
Be 313.042	13.7391	ppb	0.5398	3.9	21181.0
Ca 370.602	87933	ppb	2242	2.5	219422
Cd 226.502	66.2979	ppb	5.3614	8.1	2829.43
Co 228.615	126.041	ppb	4.3018	3.4	1022.14
Cr 267.716	723.744	ppb	27.8176	3.8	11298.8
Cu 324.754	5768.20	ppb	275.578	4.8	208687
Fe 271.441	624958	ppb	24883.7	4.0	465015
K 766.491	10412.4	ppb	390.109	3.7	1339505

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	27703.8	ppb	1019.99	3.7	29681.7
Mn 257.610	14406.7	ppb	562.482	3.9	1364842
Mo 202.032	139.038	ppb	4.5452	3.3	407.003
Na 330.237	2279.06	ppb	161.461	7.1	-133.256
Ni 231.604	802.255	ppb	32.7085	4.1	2375.43
Pb 220.353	3168.28	ppb	114.152	3.6	2630.67
Sb 206.834	58.3520	ppb	11.0700	19.0	60.3323
Se 196.026	26.9346	ppb	19.0990	70.9	1.4154
Sn 189.925	532.850	ppb	18.9009	3.5	333.844
Sr 216.596	436.019	ppb	16.1753	3.7	2914.13
Ti 334.941	1045.11	ppb	40.8419	3.9	218600
Tl 190.794	-6.5113	ppb	1.2277	18.9	-31.9276
V 292.401	411.363	ppb	16.0074	3.9	11635.8
Zn 206.200	9902.95	ppb	380.707	3.8	30516.9

680-88811-a-39-a (Samp)

4/3/2013, 3:52:19 AM

Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.2961	ppb	1.1022	25.7	77.2283
Al 308.215	108113	ppb	148.864	0.1	301115
As 188.980	234.425	ppb	6.0840	2.6	80.3547
B 249.678	80.0499	ppb	1.1929	1.5	-253.865
Ba 389.178	1874.42	ppb	1.0467	0.1	31570.8
Be 313.042	12.6694	ppb	0.0096	0.1	19656.6
Ca 370.602	318618	ppb	342.3	0.1	1125779
Cd 226.502	19.8318	ppb	0.1221	0.6	1389.80
Co 228.615	97.6811	ppb	0.2840	0.3	804.064
Cr 267.716	578.965	ppb	0.8542	0.1	9085.97
Cu 324.754	1146.23	ppb	3.3058	0.3	40915.1
Fe 271.441	433986	ppb	62.0489	0.0	322927
K 766.491	10369.2	ppb	4.4206	0.0	1334149
Mg 279.078	88426.5	ppb	149.374	0.2	100128
Mn 257.610	16039.3	ppb	19.0492	0.1	1519334
Mo 202.032	23.3014	ppb	1.8859	8.1	30.0810
Na 330.237	2191.70	ppb	212.844	9.7	-60.8816
Ni 231.604	168.879	ppb	1.0310	0.6	524.573
Pb 220.353	2971.95	ppb	12.6416	0.4	2471.04
Sb 206.834	15.4144	ppb	6.6452	43.1	27.9997
Se 196.026	11.0212	ppb	14.3524	130.2	2.2597
Sn 189.925	281.412	ppb	7.7551	2.8	176.271
Sr 216.596	465.683	ppb	2.3563	0.5	3043.39
Ti 334.941	1665.12	ppb	1.3692	0.1	348385
Tl 190.794	-0.0874	ppb	7.7230	8834.9	-22.2962
V 292.401	442.145	ppb	0.6209	0.1	12502.8
Zn 206.200	5663.50	ppb	8.6241	0.2	17463.0

Cont Calib Verif (CCV)

4/3/2013, 3:57:48 AM

Rack 3, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.053	ppb	5.3439	1.1	15375.1	99.21062
Al 308.215	5028.81	ppb	60.6304	1.2	14398.2	100.57613

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	485.138	ppb	8.1815	1.7	180.241	97.02751
B 249.678	509.036	ppb	6.7537	1.3	4448.23	20.36146Q
Ba 389.178	4876.09	ppb	55.1400	1.1	80463.3	97.52188
Be 313.042	487.142	ppb	6.2872	1.3	737315	97.42841
Ca 370.602	5042	ppb	48.43	1.0	18498	100.83959
Cd 226.502	477.930	ppb	5.7942	1.2	10726.0	95.58599
Co 228.615	488.475	ppb	5.4333	1.1	3879.25	97.69498
Cr 267.716	4893.36	ppb	58.5015	1.2	78330.7	97.86716
Cu 324.754	4817.97	ppb	78.8898	1.6	174223	96.35934
Fe 271.441	4997.42	ppb	56.3601	1.1	3804.44	99.94841
K 766.491	9992.43	ppb	83.5001	0.8	1285109	99.92429
Mg 279.078	4922.87	ppb	45.5994	0.9	5698.73	98.45737
Mn 257.610	5048.78	ppb	58.4574	1.2	478239	100.97551
Mo 202.032	502.650	ppb	9.2774	1.8	1737.94	100.53005
Na 330.237	7408.33	ppb	192.003	2.6	482.824	98.77767
Ni 231.604	2437.85	ppb	27.4823	1.1	7095.72	97.51395
Pb 220.353	494.829	ppb	5.2537	1.1	410.644	98.96571
Sb 206.834	932.149	ppb	17.6363	1.9	640.285	37.28597Q
Se 196.026	4794.20	ppb	58.8036	1.2	1352.04	95.88392
Sn 189.925	4921.99	ppb	64.7798	1.3	3071.30	98.43976
Sr 216.596	2442.92	ppb	25.7437	1.1	14737.4	97.71696
Ti 334.941	500.800	ppb	5.9081	1.2	105026	100.15996
Tl 190.794	4985.93	ppb	56.2158	1.1	2337.36	99.71854
V 292.401	4988.25	ppb	60.5194	1.2	140021	99.76497
Zn 206.200	2419.44	ppb	27.8923	1.2	7445.72	96.77772

Cont Calib Blank (CCB)

4/3/2013, 4:03:16 AM

Rack 3, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2680	ppb	0.3738	139.5	-29.0194	0.26802
Al 308.215	-39.6058	ppb	0.8966	2.3	33.7185	-39.60583
As 188.980	-1.0232	ppb	5.7076	557.8	-3.2177	-1.02319
B 249.678	0.0435	ppb	1.0384	2389.0	50.6413	0.04347
Ba 389.178	-0.6748	ppb	0.6060	89.8	-24.1341	-0.67481
Be 313.042	-0.1901	ppb	0.0089	4.7	-65.4500	-0.19010
Ca 370.602	-49.24	ppb	0.5635	1.1	-77.34	-49.23766
Cd 226.502	-0.7438	ppb	0.1205	16.2	14.3860	-0.74384
Co 228.615	-0.6787	ppb	0.3099	45.7	-7.9401	-0.67865
Cr 267.716	-1.4205	ppb	0.0386	2.7	10.3933	-1.42050
Cu 324.754	-1.3863	ppb	0.1910	13.8	117.933	-1.38630
Fe 271.441	-42.4484	ppb	4.5696	10.8	-6.0152	-42.44844Z
K 766.491	-35.6665	ppb	0.2035	0.6	2314.28	-35.66646
Mg 279.078	-38.0722	ppb	2.3617	6.2	24.7827	-38.07220
Mn 257.610	-2.3762	ppb	0.0771	3.2	57.5048	-2.37617
Mo 202.032	0.1683	ppb	0.1437	85.4	5.6228	0.16831
Na 330.237	-78.0900	ppb	42.3593	54.2	-2.9430	-78.08999
Ni 231.604	-1.5720	ppb	0.6498	41.3	-0.3978	-1.57205
Pb 220.353	-1.5685	ppb	3.5380	225.6	1.5250	-1.56846
Sb 206.834	1.7732	ppb	0.6096	34.4	3.2830	1.77321
Se 196.026	-12.8706	ppb	7.3776	57.3	-0.4117	-12.87062Z
Sn 189.925	-4.2893	ppb	3.7633	87.7	-1.1967	-4.28931
Sr 216.596	-1.8396	ppb	0.3241	17.6	-7.5045	-1.83958
Ti 334.941	-0.5266	ppb	0.0321	6.1	25.3997	-0.52656

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	2.2051	ppb	3.2015	145.2	-0.5730	2.20510
V 292.401	-0.5710	ppb	0.3550	62.2	10.2286	-0.57103
Zn 206.200	-3.3615	ppb	0.9857	29.3	5.2493	-3.36148

680-88811-a-40-a (Samp) 4/3/2013, 4:08:45 AM Rack 3, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3291	ppb	0.2477	7.4	40.8984
Al 308.215	98383.4	ppb	91.3241	0.1	274034
As 188.980	213.380	ppb	9.8455	4.6	72.5631
B 249.678	78.0464	ppb	0.2831	0.4	-233.367
Ba 389.178	1622.10	ppb	0.5667	0.0	27406.0
Be 313.042	11.4540	ppb	0.0211	0.2	17886.8
Ca 370.602	311852	ppb	196.6	0.1	1103151
Cd 226.502	16.8934	ppb	0.0776	0.5	1289.00
Co 228.615	89.1360	ppb	1.2010	1.3	735.643
Cr 267.716	568.043	ppb	1.0435	0.2	8916.55
Cu 324.754	1056.69	ppb	3.1158	0.3	37688.5
Fe 271.441	417243	ppb	487.151	0.1	310471
K 766.491	9358.98	ppb	5.7600	0.1	1204856
Mg 279.078	97326.0	ppb	113.510	0.1	110416
Mn 257.610	13851.1	ppb	16.5545	0.1	1312194
Mo 202.032	22.7719	ppb	0.7807	3.4	30.0559
Na 330.237	2036.87	ppb	27.4552	1.3	-63.7875
Ni 231.604	161.431	ppb	2.6050	1.6	502.254
Pb 220.353	2956.81	ppb	1.9796	0.1	2459.56
Sb 206.834	29.8638	ppb	5.9968	20.1	36.5719
Se 196.026	4.4788	ppb	11.9847	267.6	0.3412
Sn 189.925	346.059	ppb	0.8290	0.2	216.610
Sr 216.596	407.570	ppb	0.6712	0.2	2682.64
Ti 334.941	1653.56	ppb	2.4720	0.1	345960
Tl 190.794	-2.5657	ppb	0.8216	32.0	-22.4968
V 292.401	551.084	ppb	1.1060	0.2	15571.0
Zn 206.200	5274.10	ppb	3.5049	0.1	16264.1

680-88811-a-41-a (Samp) 4/3/2013, 4:14:14 AM Rack 3, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.5124b	ppb	0.4027	3.5	340.324
Al 308.215	134380b	ppb	91.7454	0.1	374241
As 188.980	272.345b	ppb	11.8595	4.4	97.2696
B 249.678	115.626b	ppb	0.3301	0.3	-52.3473
Ba 389.178	4642.11b	ppb	4.7378	0.1	77164.6
Be 313.042	14.1636b	ppb	0.0081	0.1	21870.2
Ca 370.602	126007b	ppb	54.43	0.0	389935
Cd 226.502	47.1639b	ppb	0.5369	1.1	2099.21
Co 228.615	143.641b	ppb	0.5576	0.4	1169.65
Cr 267.716	651.303b	ppb	1.2376	0.2	10232.0
Cu 324.754	1909.20b	ppb	13.9609	0.7	69032.3
Fe 271.441	480401b	ppb	285.281	0.1	357464
K 766.491	16691.5b	ppb	10.6047	0.1	2142978

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	26064.8b	ppb	9.5713	0.0	28284.9
Mn 257.610	26910.5b	ppb	23.2591	0.1	2548331
Mo 202.032	71.1578b	ppb	2.4555	3.5	190.265
Na 330.237	3335.07b	ppb	189.601	5.7	0.0122
Ni 231.604	307.427b	ppb	2.8979	0.9	927.846
Pb 220.353	14340.9b	ppb	8.3154	0.1	11965.6
Sb 206.834	41.8151b	ppb	3.0749	7.4	45.3437
Se 196.026	26.6784b	ppb	9.8696	37.0	6.9043
Sn 189.925	225.725b	ppb	3.5821	1.6	142.265
Sr 216.596	748.348b	ppb	3.7306	0.5	4767.19
Ti 334.941	1599.29b	ppb	1.8464	0.1	334429
Tl 190.794	-7.8152b	ppb	8.9637	114.7	-26.2838
V 292.401	476.838b	ppb	0.0187	0.0	13450.2
Zn 206.200	10350.5b	ppb	11.4660	0.1	31891.3

680-88811-a-42-a (Samp)

4/3/2013, 4:19:43 AM

Rack 3, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3236	ppb	0.6911	20.8	48.4712
Al 308.215	112096	ppb	83.9984	0.1	312213
As 188.980	197.402	ppb	2.3748	1.2	69.4813
B 249.678	71.5551	ppb	0.6333	0.9	-144.937
Ba 389.178	4993.34	ppb	2.4913	0.0	82803.4
Be 313.042	10.5315	ppb	0.0163	0.2	16379.8
Ca 370.602	106675	ppb	60.29	0.1	339282
Cd 226.502	21.0563	ppb	0.0972	0.5	1251.11
Co 228.615	100.437	ppb	0.5088	0.5	823.873
Cr 267.716	466.926	ppb	0.5020	0.1	7330.67
Cu 324.754	734.148	ppb	1.9527	0.3	26558.6
Fe 271.441	354583	ppb	188.807	0.1	263850
K 766.491	9566.23	ppb	17.5424	0.2	1230491
Mg 279.078	20824.8	ppb	33.0059	0.2	22730.0
Mn 257.610	12573.3	ppb	8.4609	0.1	1190975
Mo 202.032	22.1146	ppb	0.6010	2.7	36.3047
Na 330.237	2617.10	ppb	158.264	6.0	11.6728
Ni 231.604	298.571	ppb	0.1031	0.0	894.394
Pb 220.353	4175.40	ppb	10.4999	0.3	3476.56
Sb 206.834	11.4786	ppb	3.4760	30.3	20.9171
Se 196.026	-2.4365	ppb	4.2072	172.7	-1.6075
Sn 189.925	151.489	ppb	3.1629	2.1	95.9876
Sr 216.596	455.645	ppb	1.6778	0.4	2931.67
Ti 334.941	1482.94	ppb	2.7833	0.2	310086
Tl 190.794	1.2953	ppb	7.4919	578.4	-16.4658
V 292.401	441.358	ppb	0.3542	0.1	12476.1
Zn 206.200	9595.89	ppb	2.7910	0.0	29565.7

680-88811-a-43-a (Samp)

4/3/2013, 4:25:11 AM

Rack 3, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.4352	ppb	0.4072	6.3	122.574
Al 308.215	72002.6	ppb	79.5415	0.1	200580

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	113.196	ppb	7.6904	6.8	37.2481
B 249.678	74.3947	ppb	0.5615	0.8	-98.7213
Ba 389.178	939.709	ppb	1.1943	0.1	15954.3
Be 313.042	4.7793	ppb	0.0063	0.1	7583.32
Ca 370.602	142322	ppb	71.07	0.0	475516
Cd 226.502	19.6098	ppb	0.3707	1.9	1195.79
Co 228.615	67.5535	ppb	0.7548	1.1	551.185
Cr 267.716	484.611	ppb	0.9033	0.2	7612.98
Cu 324.754	1752.98	ppb	9.3764	0.5	63294.4
Fe 271.441	344853	ppb	377.584	0.1	256607
K 766.491	6573.91	ppb	3.9606	0.1	848413
Mg 279.078	36804.9	ppb	54.8247	0.1	41137.7
Mn 257.610	6786.56	ppb	11.4404	0.2	643203
Mo 202.032	54.7737	ppb	2.6758	4.9	150.721
Na 330.237	2685.73	ppb	92.5894	3.4	31.5729
Ni 231.604	850.008	ppb	2.2447	0.3	2497.85
Pb 220.353	5951.01	ppb	11.8397	0.2	4964.19
Sb 206.834	26.7719	ppb	7.9275	29.6	31.6221
Se 196.026	16.8189	ppb	17.4126	103.5	2.9588
Sn 189.925	474.511	ppb	3.3363	0.7	297.157
Sr 216.596	251.002	ppb	0.6302	0.3	1663.34
Ti 334.941	867.004	ppb	1.5517	0.2	181427
Tl 190.794	-1.7238	ppb	5.6113	325.5	-18.1232
V 292.401	215.768	ppb	0.2853	0.1	6121.61
Zn 206.200	13535.5	ppb	8.6584	0.1	41694.8

680-88811-b-45-b (Samp)

4/3/2013, 4:30:40 AM

Rack 3, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5219	ppb	0.1049	2.3	103.020
Al 308.215	72771.4	ppb	114.959	0.2	202732
As 188.980	208.034	ppb	11.8062	5.7	73.7380
B 249.678	59.5440	ppb	0.3787	0.6	-137.885
Ba 389.178	3316.81	ppb	7.8510	0.2	55076.9
Be 313.042	8.8348	ppb	0.0220	0.2	13786.0
Ca 370.602	91535	ppb	102.4	0.1	290889
Cd 226.502	8.5586	ppb	0.0878	1.0	868.082
Co 228.615	88.1932	ppb	0.6751	0.8	723.800
Cr 267.716	300.124	ppb	1.0913	0.4	4688.85
Cu 324.754	511.169	ppb	2.7846	0.5	18518.4
Fe 271.441	306293	ppb	583.851	0.2	227921
K 766.491	7081.49	ppb	8.7306	0.1	912770
Mg 279.078	12539.0	ppb	34.1981	0.3	13375.6
Mn 257.610	14252.9	ppb	14.9153	0.1	1349893
Mo 202.032	16.7456	ppb	1.3650	8.2	23.5470
Na 330.237	1286.35	ppb	200.575	15.6	-61.0667
Ni 231.604	134.573	ppb	2.1542	1.6	414.304
Pb 220.353	1722.79	ppb	3.0252	0.2	1432.25
Sb 206.834	7.8395	ppb	3.5719	45.6	15.8648
Se 196.026	18.1770	ppb	14.5930	80.3	5.2931
Sn 189.925	125.223	ppb	1.9221	1.5	79.6339
Sr 216.596	450.807	ppb	0.6015	0.1	2884.62
Ti 334.941	1399.73	ppb	2.2601	0.2	292671

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.1635	ppb	11.0743	6775.2	-14.5376
V 292.401	388.054	ppb	0.5905	0.2	10973.2
Zn 206.200	3935.67	ppb	3.1593	0.1	12139.0

680-88811-b-64-b (Samp) **4/3/2013, 4:36:09 AM** **Rack 3, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0659	ppb	1.0916	102.4	-36.9788
Al 308.215	102778	ppb	95.8407	0.1	286270
As 188.980	124.102	ppb	11.7417	9.5	41.4940
B 249.678	69.9933	ppb	1.4693	2.1	-262.267
Ba 389.178	1733.75	ppb	2.1923	0.1	29132.3
Be 313.042	14.2935	ppb	0.0137	0.1	22128.2
Ca 370.602	135432	ppb	32.27	0.0	439653
Cd 226.502	10.9990	ppb	0.1822	1.7	1119.74
Co 228.615	68.8304	ppb	1.1695	1.7	562.748
Cr 267.716	378.829	ppb	1.4073	0.4	5892.34
Cu 324.754	440.697	ppb	2.9314	0.7	15897.2
Fe 271.441	399447	ppb	511.139	0.1	297230
K 766.491	7446.64	ppb	1.4595	0.0	959951
Mg 279.078	45842.3	ppb	96.6368	0.2	51324.2
Mn 257.610	10316.8	ppb	19.8506	0.2	977472
Mo 202.032	10.0077	ppb	0.8745	8.7	-11.8404
Na 330.237	1459.52	ppb	171.826	11.8	-88.7452
Ni 231.604	111.144	ppb	0.0838	0.1	353.047
Pb 220.353	1824.98	ppb	14.5195	0.8	1513.83
Sb 206.834	2.0119	ppb	7.2920	362.4	16.4518
Se 196.026	13.6112	ppb	17.6713	129.8	1.7382
Sn 189.925	77.0962	ppb	10.0317	13.0	49.3236
Sr 216.596	356.575	ppb	1.3001	0.4	2359.65
Ti 334.941	817.586	ppb	1.6952	0.2	171095
Tl 190.794	-2.9044	ppb	3.3347	114.8	-20.8371
V 292.401	559.387	ppb	0.2483	0.0	15814.2
Zn 206.200	4248.00	ppb	6.7480	0.2	13103.6

680-88811-b-74-b (Samp) **4/3/2013, 4:41:37 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6901	ppb	0.9959	58.9	-74.7781
Al 308.215	86885.4	ppb	83.8069	0.1	242029
As 188.980	121.448	ppb	6.4196	5.3	35.2859
B 249.678	74.4947	ppb	1.5406	2.1	-126.639
Ba 389.178	3056.76	ppb	4.6233	0.2	51354.5
Be 313.042	10.1705	ppb	0.0138	0.1	16008.0
Ca 370.602	507563	ppb	1689	0.3	1853490
Cd 226.502	9.7714	ppb	0.0442	0.5	1006.25
Co 228.615	124.836	ppb	0.2905	0.2	1011.85
Cr 267.716	361.943	ppb	1.4783	0.4	5656.43
Cu 324.754	336.961	ppb	2.8386	0.8	11132.6
Fe 271.441	357898	ppb	780.350	0.2	266319
K 766.491	7190.77	ppb	6.5876	0.1	926822

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	288926	ppb	378.693	0.1	330784
Mn 257.610	20130.4	ppb	54.7197	0.3	1907011
Mo 202.032	9.0797	ppb	0.5215	5.7	-9.8932
Na 330.237	1565.63	ppb	116.689	7.5	-64.1291
Ni 231.604	92.9002	ppb	4.2611	4.6	306.580
Pb 220.353	2374.29	ppb	6.6011	0.3	1974.68
Sb 206.834	8.5233	ppb	8.3512	98.0	22.4347
Se 196.026	15.7506	ppb	15.7934	100.3	7.7300
Sn 189.925	60.6276	ppb	6.1556	10.2	37.7063
Sr 216.596	397.650	ppb	1.4951	0.4	2606.04
Ti 334.941	1122.41	ppb	2.6871	0.2	235185
Tl 190.794	-6.8717	ppb	2.4460	35.6	-24.0204
V 292.401	567.974	ppb	1.1315	0.2	16035.0
Zn 206.200	4524.02	ppb	2.6298	0.1	13960.6

680-88811-b-78-b (Samp)

4/3/2013, 4:47:06 AM

Rack 3, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3723	ppb	1.0284	276.2	-80.6389
Al 308.215	123081	ppb	85.1808	0.1	342784
As 188.980	131.535	ppb	9.7167	7.4	44.0670
B 249.678	83.9003	ppb	0.5387	0.6	-313.220
Ba 389.178	2321.53	ppb	3.8518	0.2	38917.2
Be 313.042	14.8669	ppb	0.0253	0.2	22951.1
Ca 370.602	144623	ppb	199.1	0.1	460974
Cd 226.502	14.0305	ppb	0.2596	1.9	1345.13
Co 228.615	105.356	ppb	1.6548	1.6	860.739
Cr 267.716	443.776	ppb	1.6921	0.4	6897.48
Cu 324.754	580.871	ppb	1.5136	0.3	20971.3
Fe 271.441	474060	ppb	709.481	0.1	352744
K 766.491	12158.0	ppb	3.5103	0.0	1563086
Mg 279.078	47686.4	ppb	53.0806	0.1	53174.0
Mn 257.610	14151.2	ppb	17.4277	0.1	1340540
Mo 202.032	18.9958	ppb	1.0579	5.6	10.0216
Na 330.237	1796.29	ppb	90.5039	5.0	-102.783
Ni 231.604	198.594	ppb	1.3705	0.7	611.863
Pb 220.353	2274.50	ppb	6.8080	0.3	1886.71
Sb 206.834	9.0862	ppb	10.5359	116.0	22.9532
Se 196.026	2.9437	ppb	7.0326	238.9	-1.9683
Sn 189.925	92.2899	ppb	2.5023	2.7	58.8963
Sr 216.596	470.073	ppb	1.9318	0.4	3081.19
Ti 334.941	1290.23	ppb	2.2207	0.2	269865
Tl 190.794	-4.0562	ppb	13.0107	320.8	-24.5268
V 292.401	487.173	ppb	0.7979	0.2	13786.8
Zn 206.200	5704.31	ppb	4.1302	0.1	17588.7

680-88811-a-85-a (Samp)

4/3/2013, 4:52:35 AM

Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.7157	ppb	0.5689	20.9	46.3515
Al 308.215	100685	ppb	524.738	0.5	280440

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	157.466	ppb	3.9846	2.5	53.3323
B 249.678	102.678	ppb	0.8685	0.8	149.235
Ba 389.178	3519.46	ppb	13.0823	0.4	58540.0
Be 313.042	10.9600	ppb	0.0331	0.3	16979.9
Ca 370.602	189233	ppb	476.3	0.3	653232
Cd 226.502	24.4543	ppb	0.3189	1.3	1303.68
Co 228.615	88.5979	ppb	1.1795	1.3	722.793
Cr 267.716	428.073	ppb	1.4128	0.3	6718.83
Cu 324.754	768.227	ppb	2.2386	0.3	27567.4
Fe 271.441	343517	ppb	975.220	0.3	255616
K 766.491	9767.49	ppb	24.9733	0.3	1256658
Mg 279.078	54749.9	ppb	365.123	0.7	61747.0
Mn 257.610	15659.5	ppb	39.8259	0.3	1483184
Mo 202.032	26.2568	ppb	0.4441	1.7	52.1457
Na 330.237	2616.41	ppb	55.6174	2.1	18.4510
Ni 231.604	180.495	ppb	2.0366	1.1	551.659
Pb 220.353	3752.11	ppb	14.6015	0.4	3124.27
Sb 206.834	44.8635	ppb	7.2662	16.2	43.3098
Se 196.026	23.6857	ppb	15.9497	67.3	6.9965
Sn 189.925	290.936	ppb	7.1966	2.5	182.534
Sr 216.596	568.926	ppb	4.6515	0.8	3622.03
Ti 334.941	1052.08	ppb	2.3815	0.2	220146
Tl 190.794	-9.3093	ppb	5.4469	58.5	-22.0598
V 292.401	330.118	ppb	1.3909	0.4	9334.45
Zn 206.200	8752.60	ppb	25.2075	0.3	26970.5

680-88811-a-86-a (Samp)

4/3/2013, 4:58:03 AM

Rack 3, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6901	ppb	1.5308	221.8	-84.9486
Al 308.215	69844.8	ppb	425.929	0.6	194584
As 188.980	104.665	ppb	6.8467	6.5	31.2297
B 249.678	55.7287	ppb	0.7251	1.3	-238.514
Ba 389.178	1596.66	ppb	8.4111	0.5	27059.1
Be 313.042	7.6832	ppb	0.0426	0.6	12146.6
Ca 370.602	350183	ppb	1611	0.5	1262619
Cd 226.502	7.3359	ppb	0.3231	4.4	903.068
Co 228.615	69.9837	ppb	0.8013	1.1	572.420
Cr 267.716	368.893	ppb	2.5731	0.7	5767.40
Cu 324.754	368.330	ppb	3.0258	0.8	12680.5
Fe 271.441	335229	ppb	1867.00	0.6	249449
K 766.491	5689.14	ppb	35.0411	0.6	734934
Mg 279.078	189078	ppb	1069.08	0.6	216145
Mn 257.610	9463.53	ppb	46.1056	0.5	896977
Mo 202.032	10.3087	ppb	0.4356	4.2	-2.7067
Na 330.237	1469.37	ppb	134.471	9.2	-58.5672
Ni 231.604	94.2919	ppb	2.7834	3.0	305.548
Pb 220.353	6055.09	ppb	28.0122	0.5	5051.62
Sb 206.834	-4.5643	ppb	2.4026	52.6	12.3450
Se 196.026	25.2759	ppb	7.1145	28.1	7.6325
Sn 189.925	82.9706	ppb	2.3111	2.8	52.1883
Sr 216.596	287.289	ppb	3.4024	1.2	1918.17
Ti 334.941	933.191	ppb	5.0785	0.5	195478

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-12.0195	ppb	5.5750	46.4	-24.1645
V 292.401	441.404	ppb	2.9721	0.7	12485.2
Zn 206.200	4508.29	ppb	30.8559	0.7	13908.2

Cont Calib Verif (CCV) 4/3/2013, 5:03:33 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	485.797	ppb	4.0985	0.8	15056.5	97.15932
Al 308.215	4968.71	ppb	37.5774	0.8	14227.4	99.37415
As 188.980	477.697	ppb	4.1385	0.9	177.434	95.53930
B 249.678	502.511	ppb	7.4482	1.5	4391.93	20.10042Q
Ba 389.178	4812.60	ppb	46.5480	1.0	79415.4	96.25205
Be 313.042	480.498	ppb	5.3075	1.1	727263	96.09961
Ca 370.602	4968	ppb	44.62	0.9	18235	99.36896
Cd 226.502	470.668	ppb	5.3363	1.1	10563.4	94.13356
Co 228.615	482.539	ppb	4.1700	0.9	3832.08	96.50780
Cr 267.716	4824.19	ppb	56.2951	1.2	77224.0	96.48388
Cu 324.754	4730.17	ppb	65.0255	1.4	171050	94.60337
Fe 271.441	4904.27	ppb	50.0889	1.0	3734.33	98.08549
K 766.491	9886.55	ppb	78.8559	0.8	1271568	98.86555
Mg 279.078	4876.64	ppb	45.8753	0.9	5646.08	97.53278
Mn 257.610	4978.21	ppb	53.2355	1.1	471558	99.56420
Mo 202.032	493.702	ppb	3.8535	0.8	1707.05	98.74031
Na 330.237	7391.26	ppb	71.7292	1.0	481.765	98.55010
Ni 231.604	2405.10	ppb	22.6411	0.9	7000.45	96.20399
Pb 220.353	490.062	ppb	7.5623	1.5	406.740	98.01238
Sb 206.834	921.580	ppb	9.9446	1.1	632.993	36.86320Q
Se 196.026	4701.74	ppb	62.2337	1.3	1326.03	94.03474
Sn 189.925	4859.98	ppb	49.6858	1.0	3032.63	97.19962
Sr 216.596	2407.93	ppb	25.5813	1.1	14526.2	96.31708
Ti 334.941	493.185	ppb	5.1010	1.0	103431	98.63710
Tl 190.794	4906.78	ppb	63.1905	1.3	2300.25	98.13560
V 292.401	4920.23	ppb	47.5115	1.0	138112	98.40454
Zn 206.200	2391.14	ppb	20.6248	0.9	7358.85	95.64568

Cont Calib Blank (CCB) 4/3/2013, 5:09:02 AM Rack 4, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1951	ppb	0.2894	148.3	-31.2888	0.19509
Al 308.215	-37.8567	ppb	4.7186	12.5	38.5864	-37.85672
As 188.980	1.7315	ppb	4.2152	243.5	-2.1829	1.73145
B 249.678	0.4718	ppb	0.6304	133.6	54.3354	0.47175
Ba 389.178	-0.3852	ppb	0.3559	92.4	-19.3617	-0.38520
Be 313.042	-0.1996	ppb	0.0140	7.0	-79.5277	-0.19957
Ca 370.602	-47.98	ppb	5.558	11.6	-73.37	-47.97731
Cd 226.502	-0.8116	ppb	0.1015	12.5	12.8807	-0.81160
Co 228.615	-0.8399	ppb	0.3028	36.1	-9.2098	-0.83993
Cr 267.716	-1.2539	ppb	0.4599	36.7	13.0560	-1.25389
Cu 324.754	-0.8947	ppb	0.3267	36.5	135.698	-0.89470
Fe 271.441	-38.4328	ppb	3.9829	10.4	-3.0403	-38.43285Z
K 766.491	-36.1290	ppb	0.2833	0.8	2255.00	-36.12896

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-41.0646	ppb	1.1839	2.9	21.3286	-41.06456
Mn 257.610	-2.4035	ppb	0.3985	16.6	54.9102	-2.40352
Mo 202.032	-0.4668	ppb	0.4473	95.8	3.4195	-0.46684
Na 330.237	-36.6857	ppb	71.8410	195.8	-0.2477	-36.68573
Ni 231.604	-0.4365	ppb	0.6629	151.9	2.9063	-0.43654
Pb 220.353	-1.2583	ppb	1.8782	149.3	1.7846	-1.25830
Sb 206.834	2.3060	ppb	1.9585	84.9	3.6316	2.30597
Se 196.026	-6.0716	ppb	5.9159	97.4	1.4997	-6.07163
Sn 189.925	-3.4514	ppb	1.1474	33.2	-0.6741	-3.45139
Sr 216.596	-1.6314	ppb	0.2057	12.6	-6.2688	-1.63142
Ti 334.941	-0.4826	ppb	0.0685	14.2	-16.2086	-0.48262
Tl 190.794	3.8987	ppb	2.9644	76.0	0.2197	3.89872
V 292.401	-0.3251	ppb	0.2509	77.2	17.2870	-0.32514
Zn 206.200	-3.5530	ppb	1.0392	29.2	4.6592	-3.55296

680-88811-a-87-a (Samp)

4/3/2013, 5:14:31 AM

Rack 4, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5897	ppb	0.7309	124.0	-36.4905
Al 308.215	114759	ppb	129.895	0.1	319618
As 188.980	154.775	ppb	9.1555	5.9	52.5791
B 249.678	97.0890	ppb	1.5845	1.6	3.8357
Ba 389.178	2310.41	ppb	3.0222	0.1	38649.4
Be 313.042	12.6023	ppb	0.0228	0.2	19465.7
Ca 370.602	167270	ppb	178.4	0.1	562561
Cd 226.502	18.1388	ppb	0.4281	2.4	1251.78
Co 228.615	96.5610	ppb	1.3123	1.4	790.052
Cr 267.716	445.632	ppb	1.0723	0.2	6975.10
Cu 324.754	717.695	ppb	1.0850	0.2	25818.0
Fe 271.441	385917	ppb	536.237	0.1	287162
K 766.491	12272.6	ppb	13.3146	0.1	1577766
Mg 279.078	57191.6	ppb	27.4127	0.0	64407.6
Mn 257.610	13826.0	ppb	14.1220	0.1	1309680
Mo 202.032	27.1376	ppb	1.4237	5.2	49.8547
Na 330.237	2109.59	ppb	256.576	12.2	-39.5434
Ni 231.604	219.462	ppb	0.5706	0.3	667.605
Pb 220.353	2506.33	ppb	16.1574	0.6	2081.74
Sb 206.834	12.3590	ppb	7.1686	58.0	22.9290
Se 196.026	6.2389	ppb	8.2115	131.6	0.8434
Sn 189.925	183.524	ppb	2.6863	1.5	115.707
Sr 216.596	540.991	ppb	3.1363	0.6	3470.12
Ti 334.941	1342.87	ppb	1.2368	0.1	280884
Tl 190.794	0.2915	ppb	7.9865	2739.5	-19.0503
V 292.401	355.548	ppb	0.3489	0.1	10063.4
Zn 206.200	6845.52	ppb	15.9851	0.2	21100.3

680-88811-a-88-a (Samp)

4/3/2013, 5:20:01 AM

Rack 4, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.2999	ppb	0.5025	21.8	14.0844
Al 308.215	104647	ppb	5878.65	5.6	291470

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	240.911	ppb	10.9069	4.5	85.1576
B 249.678	82.4222	ppb	0.6782	0.8	-92.3628
Ba 389.178	3141.64	ppb	172.371	5.5	52297.2
Be 313.042	10.9329	ppb	0.6381	5.8	16972.6
Ca 370.602	152623	ppb	7204	4.7	509667
Cd 226.502	11.9271	ppb	2.4012	20.1	1084.26
Co 228.615	103.079	ppb	4.8267	4.7	848.762
Cr 267.716	377.800	ppb	20.5203	5.4	5895.43
Cu 324.754	857.791	ppb	53.7578	6.3	30909.2
Fe 271.441	372496	ppb	21012.2	5.6	277178
K 766.491	10024.6	ppb	451.935	4.5	1289684
Mg 279.078	30685.7	ppb	1552.65	5.1	33997.4
Mn 257.610	12974.3	ppb	705.639	5.4	1228984
Mo 202.032	33.7682	ppb	1.9873	5.9	74.3488
Na 330.237	1716.88	ppb	77.1866	4.5	-65.4850
Ni 231.604	210.558	ppb	11.2131	5.3	639.911
Pb 220.353	2539.25	ppb	129.638	5.1	2110.47
Sb 206.834	13.8896	ppb	2.8346	20.4	21.4138
Se 196.026	18.0397	ppb	5.2776	29.3	4.0307
Sn 189.925	457.168	ppb	24.9854	5.5	286.550
Sr 216.596	598.821	ppb	34.4945	5.8	3814.34
Ti 334.941	1840.80	ppb	104.243	5.7	384900
Tl 190.794	-2.0946	ppb	2.5917	123.7	-18.9775
V 292.401	401.890	ppb	22.5636	5.6	11373.9
Zn 206.200	4992.37	ppb	260.866	5.2	15394.1

680-88789-a-1-b (Samp) 4/3/2013, 5:25:30 AM Rack 4, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.1917b	ppb	0.2851	1.3	747.420
Al 308.215	175335b	ppb	123.957	0.1	488295
As 188.980	16.5273b	ppb	12.2212	73.9	-9.5423
B 249.678	1416.67b	ppb	2.4050	0.2	12126.0
Ba 389.178	11906.7xb	ppb	8.2581	0.1	196725
Be 313.042	3.2150b	ppb	0.0091	0.3	5394.81
Ca 370.602	925991xb	ppb	1340	0.1	3486292
Cd 226.502	77.6427b	ppb	0.1692	0.2	1943.73
Co 228.615	50.2464b	ppb	0.7488	1.5	510.140
Cr 267.716	1340.72b	ppb	1.0039	0.1	21506.2
Cu 324.754	723.868b	ppb	1.0253	0.1	23806.6
Fe 271.441	79001.4b	ppb	72.1721	0.1	58806.7
K 766.491	238158xb	ppb	171.413	0.1	30500112
Mg 279.078	128338b	ppb	15.6288	0.0	147197
Mn 257.610	39915.1xb	ppb	57.5449	0.1	3779261
Mo 202.032	69.1124b	ppb	1.1492	1.7	236.342
Na 330.237	106895xb	ppb	440.477	0.4	6881.91
Ni 231.604	298.959b	ppb	2.3374	0.8	883.040
Pb 220.353	171.185b	ppb	7.4946	4.4	125.437
Sb 206.834	4.2337b	ppb	8.6813	205.1	15.6707
Se 196.026	-3.8971b	ppb	12.3317	316.4	12.5275
Sn 189.925	8.5337b	ppb	6.3182	74.0	5.2333
Sr 216.596	4723.49b	ppb	9.2247	0.2	28753.5
Ti 334.941	7657.80b	ppb	9.6944	0.1	1601158

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	3.6905b	ppb	2.6110	70.8	-8.5839
V 292.401	187.548b	ppb	0.4191	0.2	5214.78
Zn 206.200	3870.02b	ppb	6.2072	0.2	11931.2

mb 680-271368/25-a (Samp) **4/3/2013, 5:31:00 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1380	ppb	0.5777	418.8	-33.0457
Al 308.215	6.9496	ppb	2.1466	30.9	163.331
As 188.980	3.6359	ppb	5.8519	160.9	-1.4700
B 249.678	3.6733	ppb	0.4644	12.6	81.8321
Ba 389.178	1.4387	ppb	0.2558	17.8	10.8964
Be 313.042	-0.2054	ppb	0.0053	2.6	-88.5435
Ca 370.602	164.1	ppb	4.219	2.6	712.6
Cd 226.502	-0.6246	ppb	0.1298	20.8	17.2465
Co 228.615	-0.8046	ppb	0.2612	32.5	-8.9105
Cr 267.716	-0.2475	ppb	0.3178	128.4	29.1370
Cu 324.754	-0.9129	ppb	0.1988	21.8	134.500
Fe 271.441	48.6621	ppb	6.2962	12.9	61.7714
K 766.491	26.5487	ppb	0.8333	3.1	10280.5
Mg 279.078	-2.8244	ppb	7.6363	270.4	64.9475
Mn 257.610	8.1514	ppb	0.1703	2.1	1054.29
Mo 202.032	-0.1448	ppb	0.2785	192.3	4.5261
Na 330.237	62.3372	ppb	54.6933	87.7	6.1487
Ni 231.604	-0.2001	ppb	0.8537	426.7	3.5973
Pb 220.353	-4.3243	ppb	2.6230	60.7	-0.7846
Sb 206.834	3.5194	ppb	4.9477	140.6	4.3830
Se 196.026	-5.8416	ppb	2.2548	38.6	1.5657
Sn 189.925	20.9954	ppb	1.7125	8.2	14.5726
Sr 216.596	-0.3699	ppb	0.6506	175.9	1.4146
Ti 334.941	2.3263	ppb	0.2915	12.5	570.959
Tl 190.794	-0.4318	ppb	4.3662	1011.1	-1.8120
V 292.401	-0.6404	ppb	0.2651	41.4	8.1319
Zn 206.200	-0.6852	ppb	0.1029	15.0	13.4875

190-337-a-1-b (Samp) **4/3/2013, 5:36:29 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1636	ppb	0.4418	270.1	-32.2786
Al 308.215	12.2059	ppb	2.0151	16.5	177.928
As 188.980	-1.4419	ppb	6.5362	453.3	-3.3774
B 249.678	0.2783	ppb	0.7757	278.7	52.4414
Ba 389.178	0.3447	ppb	0.1742	50.5	-7.1188
Be 313.042	-0.2102	ppb	0.0081	3.8	-95.8141
Ca 370.602	98.47	ppb	1.439	1.5	462.7
Cd 226.502	-0.6048	ppb	0.1648	27.3	17.7082
Co 228.615	-0.8657	ppb	0.1200	13.9	-9.3968
Cr 267.716	-0.7200	ppb	0.1429	19.8	21.5616
Cu 324.754	0.5263	ppb	0.3748	71.2	186.707
Fe 271.441	57.2700	ppb	6.0380	10.5	68.1601
K 766.491	-11.1574	ppb	0.1642	1.5	5452.50

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	13.9986	ppb	2.9918	21.4	84.2578
Mn 257.610	1.3689	ppb	0.0270	2.0	412.271
Mo 202.032	-1.0892	ppb	0.9422	86.5	1.2509
Na 330.237	109.987	ppb	73.4862	66.8	9.2668
Ni 231.604	-0.1800	ppb	0.7430	412.8	3.6568
Pb 220.353	-1.2586	ppb	4.4660	354.8	1.7781
Sb 206.834	2.8745	ppb	3.1893	111.0	3.9611
Se 196.026	-10.7653	ppb	3.5284	32.8	0.1797
Sn 189.925	21.7262	ppb	2.0713	9.5	15.0284
Sr 216.596	-1.1395	ppb	0.5987	52.5	-3.2404
Ti 334.941	1.1406	ppb	0.0524	4.6	323.120
Tl 190.794	-0.2471	ppb	4.0400	1635.0	-1.7258
V 292.401	-0.9031	ppb	0.0434	4.8	1.0031
Zn 206.200	5.1393	ppb	0.4789	9.3	31.4216

CRI (Samp) 4/3/2013, 5:41:59 AM Rack 4, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3517	ppb	0.5811	5.6	284.260
Al 308.215	189.947	ppb	4.3434	2.3	673.518
As 188.980	17.8963	ppb	7.0363	39.3	3.8802
B 249.678	97.1271	ppb	0.6937	0.7	890.565
Ba 389.178	9.3227	ppb	0.2900	3.1	141.920
Be 313.042	4.1143	ppb	0.0201	0.5	6427.23
Ca 370.602	492.9	ppb	4.133	0.8	1961
Cd 226.502	4.4405	ppb	0.0792	1.8	130.428
Co 228.615	10.0724	ppb	0.5029	5.0	77.4153
Cr 267.716	9.2161	ppb	0.2387	2.6	180.573
Cu 324.754	19.6620	ppb	0.3829	1.9	877.407
Fe 271.441	20.5137	ppb	3.2419	15.8	41.4077
K 766.491	1045.32	ppb	0.5108	0.0	140734
Mg 279.078	488.292	ppb	2.8775	0.6	629.392
Mn 257.610	8.5790	ppb	0.0426	0.5	1096.02
Mo 202.032	9.2816	ppb	0.2943	3.2	37.1964
Na 330.237	948.958	ppb	70.0891	7.4	63.9090
Ni 231.604	41.3315	ppb	0.8414	2.0	124.382
Pb 220.353	8.0827	ppb	2.5439	31.5	9.5388
Sb 206.834	18.4042	ppb	7.5557	41.1	14.0812
Se 196.026	21.1092	ppb	4.7045	22.3	9.1482
Sn 189.925	48.0664	ppb	1.0619	2.2	31.4569
Sr 216.596	8.3284	ppb	0.2930	3.5	52.5206
Ti 334.941	9.7036	ppb	0.0277	0.3	2113.23
Tl 190.794	25.5750	ppb	7.0744	27.7	10.3789
V 292.401	9.7650	ppb	0.0105	0.1	298.389
Zn 206.200	17.0697	ppb	0.5169	3.0	68.1290

CCV (Samp) 4/3/2013, 5:47:28 AM Rack 4, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	490.945	ppb	1.8745	0.4	15216.4
Al 308.215	4972.53	ppb	72.0702	1.4	14238.7

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	482.498	ppb	3.3503	0.7	179.243
B 249.678	505.323	ppb	5.6378	1.1	4416.22
Ba 389.178	4830.32	ppb	60.4713	1.3	79707.8
Be 313.042	482.402	ppb	6.2188	1.3	730139
Ca 370.602	4980	ppb	54.48	1.1	18274
Cd 226.502	473.272	ppb	4.6648	1.0	10621.7
Co 228.615	483.814	ppb	6.2881	1.3	3842.20
Cr 267.716	4848.53	ppb	57.4038	1.2	77613.5
Cu 324.754	4788.72	ppb	27.5780	0.6	173166
Fe 271.441	4926.96	ppb	66.2479	1.3	3751.38
K 766.491	9913.75	ppb	94.4552	1.0	1275046
Mg 279.078	4867.44	ppb	74.3639	1.5	5635.39
Mn 257.610	4998.10	ppb	59.2805	1.2	473441
Mo 202.032	496.152	ppb	5.0240	1.0	1715.52
Na 330.237	7430.89	ppb	115.031	1.5	484.330
Ni 231.604	2411.95	ppb	27.4399	1.1	7020.36
Pb 220.353	487.415	ppb	6.9949	1.4	404.506
Sb 206.834	924.520	ppb	17.8417	1.9	635.034
Se 196.026	4705.11	ppb	63.8925	1.4	1326.98
Sn 189.925	4878.86	ppb	56.2695	1.2	3044.41
Sr 216.596	2421.95	ppb	30.1376	1.2	14611.0
Ti 334.941	495.812	ppb	6.0235	1.2	103980
Tl 190.794	4913.12	ppb	68.4849	1.4	2303.23
V 292.401	4932.16	ppb	62.1013	1.3	138446
Zn 206.200	2398.59	ppb	26.7325	1.1	7381.72

CCB (Samp)

4/3/2013, 5:52:58 AM

Rack 4, Tube 10

Weight: 1

Volume: 1

Dilution: 1

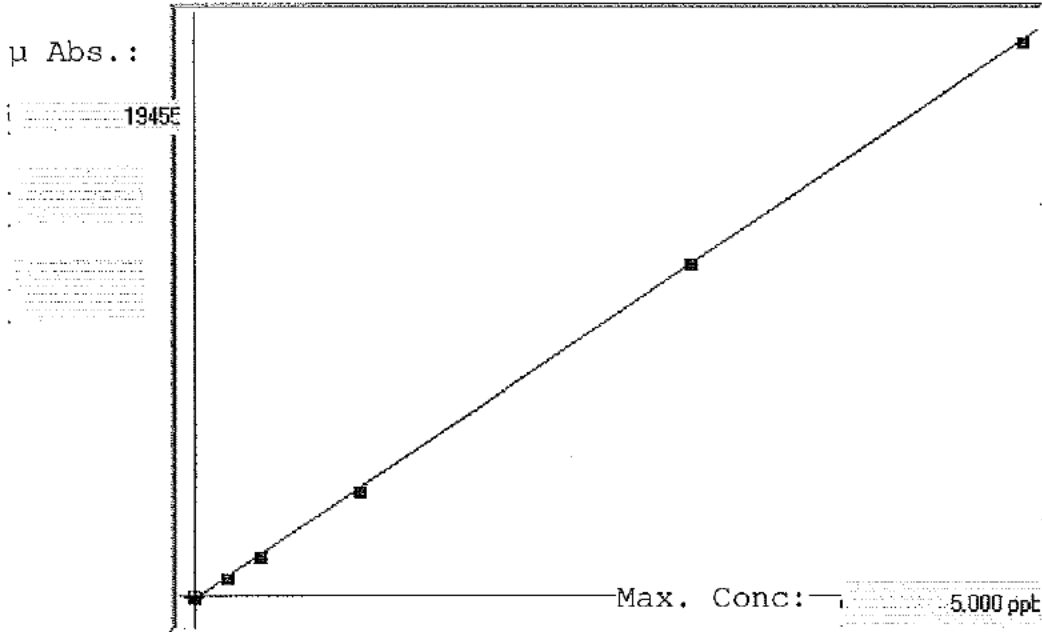
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5104	ppb	0.2754	54.0	-21.4907
Al 308.215	-41.6726	ppb	2.6093	6.3	27.9674
As 188.980	2.1176	ppb	0.8312	39.3	-2.0376
B 249.678	-0.4154	ppb	0.7104	171.0	46.6633
Ba 389.178	-0.6813	ppb	0.4854	71.2	-24.2526
Be 313.042	-0.1992	ppb	0.0137	6.9	-79.1039
Ca 370.602	-46.84	ppb	1.734	3.7	-69.13
Cd 226.502	-0.8335	ppb	0.0730	8.8	12.3906
Co 228.615	-0.8597	ppb	0.3451	40.1	-9.3782
Cr 267.716	-1.3703	ppb	0.1714	12.5	11.1932
Cu 324.754	-1.1713	ppb	0.1417	12.1	125.702
Fe 271.441	-38.3873	ppb	6.1963	16.1	-2.9892
K 766.491	-36.8321	ppb	1.5240	4.1	2165.06
Mg 279.078	-42.7936	ppb	2.7798	6.5	19.3414
Mn 257.610	-2.6684	ppb	0.0502	1.9	29.8187
Mo 202.032	-0.9734	ppb	0.9572	98.3	1.6635
Na 330.237	-47.0925	ppb	55.6425	118.2	-0.9252
Ni 231.604	-1.1065	ppb	0.7941	71.8	0.9538
Pb 220.353	-1.4475	ppb	3.7290	257.6	1.6263
Sb 206.834	1.0866	ppb	2.4102	221.8	2.8351
Se 196.026	-2.0409	ppb	7.0691	346.4	2.6329
Sn 189.925	-2.3806	ppb	1.5437	64.8	-0.0063
Sr 216.596	-1.4091	ppb	0.3371	23.9	-4.9051
Ti 334.941	-0.6126	ppb	0.0482	7.9	43.3787

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-1.7916	ppb	4.8175	268.9	-2.4433
V 292.401	-0.4930	ppb	0.2943	59.7	12.4448
Zn 206.200	-3.7423	ppb	0.0537	1.4	4.0766

Hg Norm2

Linear



A= 0.0000e+000
 B= 2.5517e-004
 C= 3.5290e-002
 Rho= 0.9999795
 Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.015	0.015	-80	2.867	-81	-77	-84		
0.2	0.200	0.204	0.004	661	0.6 %	657	660	667		
0.4	0.400	0.396	-0.004	1412	0.5 %	1403	1415	1419		
1.0	1.000	0.978	-0.022	3693	0.1 %	3688	3692	3701		
3.0	3.000	3.008	0.008	11651	0.5 %	11571	11673	11710		
5.0	5.000	4.999	-0.001	19454	0.1 %	19475	19474	19415		

C03292013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 29 Mar 2013 15:43:31

Sample ID	Extended ID	Mean	RSD	Date
blank		-81	-3.5547	29 Mar 2013 15:46:53
0.2		661	0.6336	29 Mar 2013 15:49:19
0.4		1412	0.4814	29 Mar 2013 15:51:46
1.0		3694	0.1472	29 Mar 2013 15:54:13
3.0		11651	0.5045	29 Mar 2013 15:56:40
5.0		19455	0.1442	29 Mar 2013 15:59:07
ICV		3.0530	0.1331	29 Mar 2013 16:01:34
ICB		0.0093	3.8957	29 Mar 2013 16:04:00
CRA		0.2113	0.7971	29 Mar 2013 16:06:26
CCV		2.5222	0.1632	29 Mar 2013 16:08:52
CCB		0.0100	7.1966	29 Mar 2013 16:11:20
mb 680-271158/1-a	(BCB)	0.0174	7.1725	29 Mar 2013 16:13:46
lcs 680-271158/2-a	(BCB)	2.6096	0.2914	29 Mar 2013 16:16:11
680-88732-a-2-b	(BCB)	0.9919	0.2069	29 Mar 2013 16:18:37
680-88732-a-2-c ms	(BCB)	2.1127	0.5748	29 Mar 2013 16:21:03
680-88732-a-2-d msd	(BCB)	2.2047	0.2430	29 Mar 2013 16:23:29
680-88732-a-4-b	(BCB)	0.8252	0.6207	29 Mar 2013 16:25:54
680-88732-a-6-b	(BCB)	1.4513	0.2553	29 Mar 2013 16:28:20
680-88732-a-8-a	(BCB)	1.7712	0.2344	29 Mar 2013 16:30:46
680-88732-a-10-a	(BCB)	1.5084	0.2940	29 Mar 2013 16:33:12
680-88732-a-12-a	(BCB)	0.9213	0.7518	29 Mar 2013 16:35:39
CCV		2.5544	0.1958	29 Mar 2013 16:38:06
CCB		0.0069	12.2357	29 Mar 2013 16:40:34
680-88732-a-14-a	(BCB)	0.0727	1.1580	29 Mar 2013 16:42:59
680-88732-a-16-a	(BCB)	0.0998	0.4823	29 Mar 2013 16:45:26
680-88732-a-18-a	(BCB)	0.0802	0.2598	29 Mar 2013 16:47:53
680-88732-a-21-a	(BCB)	0.0658	0.6589	29 Mar 2013 16:50:20
680-88732-a-23-a	(BCB)	15.3831	0.4797	29 Mar 2013 16:52:48
680-88732-a-25-a	(BCB)	1.2649	0.1153	29 Mar 2013 16:55:14
680-88732-a-27-a	(BCB)	1.9164	1.0285	29 Mar 2013 16:57:41
680-88732-a-29-a	(BCB)	0.1960	0.5456	29 Mar 2013 17:00:09
680-88732-a-32-a	(BCB)	0.8064	0.5339	29 Mar 2013 17:02:35
460-52563-c-1-h	(BCB)	2.1095	0.2964	29 Mar 2013 17:05:01
CCV		2.5843	0.0972	29 Mar 2013 17:07:28
CCB		0.0084	5.7194	29 Mar 2013 17:09:55
680-88740-a-1-a	(BCB)	0.1670	1.2665	29 Mar 2013 17:12:22
640-42856-b-1-a	(BCB)	2.2668	0.9006	29 Mar 2013 17:14:50
680-88740-a-2-a	(BCB)	0.1820	0.3029	29 Mar 2013 17:17:18
mb 680-271188/1-a	(BCB)	0.0116	7.8562	29 Mar 2013 17:19:46
lcs 680-271188/2-a	(BCB)	2.5949	0.1968	29 Mar 2013 17:22:13
680-88747-a-1-b	(BCB)	0.0089	4.8605	29 Mar 2013 17:24:39
680-88747-a-2-b	(BCB)	0.0127	5.0255	29 Mar 2013 17:27:05
680-88747-a-3-b	(BCB)	0.0154	3.5824	29 Mar 2013 17:29:31
680-88723-d-2-b	(BCB)	1.0111	0.5015	29 Mar 2013 17:31:56
680-88766-b-6-d	(BCB)	1.3825	0.4353	29 Mar 2013 17:34:23
CCV		2.5684	0.2594	29 Mar 2013 17:36:51
CCB		0.0077	2.6945	29 Mar 2013 17:39:19
680-88766-b-6-e ms	(BCB)	2.2182	0.0953	29 Mar 2013 17:41:45
680-88766-b-6-f msd	(BCB)	2.6442	0.5997	29 Mar 2013 17:44:12
680-88766-b-12-b	(BCB)	1.0577	0.5362	29 Mar 2013 17:46:39
680-88766-b-13-b	(BCB)	1.1106	0.2351	29 Mar 2013 17:49:06
680-88766-a-22-b	(BCB)	1.6372	0.1376	29 Mar 2013 17:51:34
680-88767-b-14-d	(BCB)	1.0897	0.1714	29 Mar 2013 17:54:01
680-88767-b-14-e ms	(BCB)	1.9170	0.1733	29 Mar 2013 17:56:30
680-88767-b-14-f msd	(BCB)	1.9888	0.2455	29 Mar 2013 17:58:55
680-88767-b-24-b	(BCB)	1.4105	0.6206	29 Mar 2013 18:01:21

C03292013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 29 Mar 2013 15:43:31

Sample ID	Extended ID	Mean	RSD	Date
680-88767-b-29-b	(BCB)	1.3843	0.7622	29 Mar 2013 18:03:47
CCV		2.5750	0.6067	29 Mar 2013 18:06:14
CCB		0.0051	15.4802	29 Mar 2013 18:08:42
680-88767-b-30-b	(BCB)	1.5341	0.2798	29 Mar 2013 18:11:07
680-88767-b-35-b	(BCB)	1.9735	0.3293	29 Mar 2013 18:13:34
680-88767-b-52-b	(BCB)	1.8234	0.4741	29 Mar 2013 18:16:01
680-88767-a-55-b	(BCB)	1.9683	0.3984	29 Mar 2013 18:18:30
680-88764-d-2-a	(BCB)	0.5020	0.2905	29 Mar 2013 18:20:56
680-88764-d-3-a	(BCB)	0.2824	0.4064	29 Mar 2013 18:23:23
680-88764-d-3-b ms	(BCB)	1.3258	0.1895	29 Mar 2013 18:25:50
680-88764-d-3-c msd	(BCB)	1.1710	0.2005	29 Mar 2013 18:28:18
CCV		2.5715	0.2057	29 Mar 2013 18:30:46
CCB		0.0105	1.1506	29 Mar 2013 18:33:12
CCV		2.3939	0.8002	30 Mar 2013 07:36:45
CCB		0.0109	6.1561	30 Mar 2013 07:39:22
680-88732-a-23-a	^10 (BCB)	1.4485	0.3724	30 Mar 2013 07:41:49
680-88732-a-25-a	(BCB)	1.1549	0.7775	30 Mar 2013 07:44:15
CCV		2.4575	0.5521	30 Mar 2013 07:46:42
CCB		0.0080	6.9013	30 Mar 2013 07:49:09

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271166 Batch Start Date: 03/29/13 10:06 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 03/29/13 15:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS LCS1 WK 00001	MS LCS2 wk 00143
MB 680-271166/1		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL			
LCS 680-271166/3		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL	2 mL		
680-88767-B-14	CV0509F-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL			
680-88767-B-14 MS	CV0509F-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL		1 mL	1 mL
680-88767-B-14 MSD	CV0509F-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL		1 mL	1 mL
680-88767-B-24	CV0509O-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL			
680-88767-B-29	CV0509T-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-88767-B-30	CV0509T-CSD	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-88767-B-35	CV0509Y-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-88767-B-52	CV0509AL-GS	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL			
680-88767-A-55	CV0509Y-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 680-271166/1		3050B, 6010C							
LCS 680-271166/3		3050B, 6010C		SN LCS					
680-88767-B-14	CV0509F-CS	3050B, 6010C	T						
680-88767-B-14 MS	CV0509F-CS	3050B, 6010C	T						
680-88767-B-14 MSD	CV0509F-CS	3050B, 6010C	T						
680-88767-B-24	CV0509O-CS	3050B, 6010C	T						
680-88767-B-29	CV0509T-CS	3050B, 6010C	T						
680-88767-B-30	CV0509T-CSD	3050B, 6010C	T						
680-88767-B-35	CV0509Y-CS	3050B, 6010C	T						
680-88767-B-52	CV0509AL-GS	3050B, 6010C	T						

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271166 Batch Start Date: 03/29/13 10:06 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 03/29/13 15:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
680-88767-A-55	CV0509Y-CS (sieve)	3050B, 6010C	T						

Batch Notes	
Analyst	JL
Balance ID	25
Blank Soil Lot Number	2958846
Hydrogen peroxide lot number	52223236
Lot # of hydrochloric acid	24317
Lot # of Nitric Acid	L1200
Hood ID or number	FH-8
Hot Block ID number	9
Nominal Amount Used	1.0 g
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
Temperature	98 Degrees C
ID number of the thermometer	MEPREP14
Digestion Tube/Cup Lot #	010-501-263

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271158 Batch Start Date: 03/29/13 09:42 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 03/29/13 11:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment	
CCV 680-271158/31		7471A, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-271158/32		7471A, 7471B		50 mL	50 mL				
ICV 680-271158/34		7471A, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-271158/35		7471A, 7471B		50 mL	50 mL				
CRA 680-271158/36		7471A, 7471B		50 mL	50 mL		0.02 mL	0.20 standard used.	

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271158 Batch Start Date: 03/29/13 09:42 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 03/29/13 11:37

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965828
Hydroxylamine Hydrochloride Lot	3001958
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	2968294
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	01/03/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271188 Batch Start Date: 03/29/13 10:50 Batch Analyst: Umbehrr, Uli

Batch Method: 7471B Batch End Date: 03/29/13 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00090			
MB 680-271188/1		7471B, 7471B		0.51 g	50 mL				
LCS 680-271188/2		7471B, 7471B		0.56 g	50 mL	0.25 mL			
680-88767-B-14	CV0509F-CS	7471B, 7471B	T	0.54 g	50 mL				
680-88767-B-14 MS	CV0509F-CS	7471B, 7471B	T	0.53 g	50 mL	0.1 mL			
680-88767-B-14 MSD	CV0509F-CS	7471B, 7471B	T	0.55 g	50 mL	0.1 mL			
680-88767-B-24	CV0509O-CS	7471B, 7471B	T	0.58 g	50 mL				
680-88767-B-29	CV0509T-CS	7471B, 7471B	T	0.57 g	50 mL				
680-88767-B-30	CV0509T-CSD	7471B, 7471B	T	0.58 g	50 mL				
680-88767-B-35	CV0509Y-CS	7471B, 7471B	T	0.57 g	50 mL				
680-88767-B-52	CV0509AL-GS	7471B, 7471B	T	0.55 g	50 mL				
680-88767-A-55	CV0509Y-CS (sieve)	7471B, 7471B	T	0.59 g	50 mL				

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88767-4

SDG No.: 68088767-4

Batch Number: 271188 Batch Start Date: 03/29/13 10:50 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 03/29/13 12:55

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965828
Hydroxylamine Hydrochloride Lot	3001958
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	2968294
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	01/03/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS							PAGE <i>2</i>	OF <i>5</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	<i>LLPAH</i>	<i>SVOC</i>	<i>Metals</i>	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
CLIENT (SITE) P.M.	CLIENT PHONE	CLIENT FAX										EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>

(b) (6)

CLIENT ADDRESS	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	<i>LLPAH</i>	<i>SVOC</i>	<i>Metals</i>	PRESERVATIVE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable)										

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME							1	2	3	4	5	6	7	
<i>3-26-13</i>	<i>0945</i>	<i>CV0509 E - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>0955</i>	<i>CV0509 F - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		<i>X</i>						
	<i>0958</i>	<i>CV0509 G - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>							
	<i>1005</i>	<i>CV0509 H - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1007</i>	<i>CV0509 I - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1012</i>	<i>CV0509 J - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1018</i>	<i>CV0509 K - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1020</i>	<i>CV0509 K - CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1022</i>	<i>CV0509 L - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1034</i>	<i>CV0509 M - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1040</i>	<i>CV0509 N - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>								
	<i>1045</i>	<i>CV0509 O - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		<i>X</i>						

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-26-13</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88767</i>	LABORATORY REMARKS <i>1.4c</i>
---	-------------------------	---------------------	---	------------------	--------------------------------------	-----------------------------------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i> OF <i>5</i>
--	------------------------------------	---------------------------------------	-------------	-------------------	---------------------------

TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER <i>7</i>	CONTRACT NO.	CLIENT FAX	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
---	-------------------------	--------------	------------	--	----------------

CLIENT NAME <i>(b) (6)</i>	CLIENT E-MAIL	CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
-------------------------------	---------------	----------------	---	---	----------------

CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
----------------	---	---

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS										REMARKS						
DATE	TIME							LL PAH	SVOC	Metals	PRESERVATIVE													
<i>3-26-13</i>	<i>1230</i>	<i>CV0509P-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1300</i>	<i>CV0509Q-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1305</i>	<i>CV0509R-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1315</i>	<i>CV0509S-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1320</i>	<i>CV0509T-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>					<i>X</i>												
	<i>1325</i>	<i>CV0509T-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>					<i>X</i>												
	<i>1332</i>	<i>CV0509U-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1335</i>	<i>CV0509V-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1340</i>	<i>CV0509W-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1342</i>	<i>CV0509X-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	
	<i>1410</i>	<i>CV0509Y-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>					<i>X</i>												
	<i>1415</i>	<i>CV0509Z-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-27-13</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88767</i>	LABORATORY REMARKS <i>1-4c</i>
---	-------------------------	---------------------	---	------------------	--------------------------------------	-----------------------------------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>8005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>5</i>	OF <i>5</i>
--	------------------------------------	---------------------------------------	-------------	-------------------	------------------	----------------

TAL (LAB) PROJECT MANAGER <i>disa Harvey</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LLPHH SVOC Metals	PRESERVATIVE	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX				EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____

(b) (6)

CLIENT NAME	CLIENT MAN	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
-------------	------------	---

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS		
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12
<i>3-26-13</i>	<i>1325</i>	<i>CV0509 AI-GS</i>	<i>G</i>	<i>X</i>			<i>X</i>													
	<i>1330</i>	<i>CV0509 AJ-GS</i>	<i>G</i>	<i>X</i>			<i>X</i>													
	<i>1535</i>	<i>CV0509 AK-GS</i>	<i>G</i>	<i>X</i>			<i>X</i>													
	<i>1537</i>	<i>CV0509 AL-GS</i>	<i>G</i>	<i>X</i>			<i>X</i>					<i>X</i>								
	<i>1539</i>	<i>CV0509 AM-GS</i>	<i>G</i>	<i>X</i>			<i>X</i>													
	<i>1540</i>	<i>CV0509 AN-GS</i>	<i>G</i>	<i>X</i>			<i>X</i>													
<i>3-26-13</i>	<i>1410</i>	<i>CV0509 Y - CS (sieve)</i>	<i>C</i>	<i>X</i>																

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-27-13</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88767</i>	LABORATORY REMARKS <i>1.4°</i>
---	-------------------------	---------------------	---	------------------	--------------------------------------	-----------------------------------

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: 680-88767-4

TestAmerica Sample Delivery Group: 68088767-4

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/11/2013 6:58:06 PM

Bernard Kirkland

Project Manager I

bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

1

2

3

4

5

6

7

8

9

10

11

12

Case Narrative

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

Job ID: 680-88767-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-4

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

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

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

RECEIPT

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

SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)

Sample CV0509G-CS (680-88767-15) was analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/01/2013 and analyzed on 04/05/2013.

Method(s) 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyrilone, 2-picolone (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Method(s) 8270D: The initial calibration curve and initial calibration verification (ICV) analyzed in batch 272296 was outside method criteria for the following analyte(s): benzaldehyde, a,a-dimethylphenethylamine, 1,4-phenylenediamine, 1-naphthylamine, hexachlorophene, and 3-methylcholanthrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 272559 exceeded the method criteria for the following analyte(s): n-nitrosodimethylamine, aniline, 2,4-dinitrophenol, dinoseb, and a,a-dimethylphenethylamine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 272369 exceeded the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

Case Narrative

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

Job ID: 680-88767-4 (Continued)

Laboratory: TestAmerica Savannah (Continued)

METALS (ICP)

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013 and 04/03/2013.

Samples CV0509Y-CS (680-88767-35)[2X] and CV0509Y-CS (sieve) (680-88767-55)[2X] 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 CV0509F-CS (680-88767-14) in batch 680-271678. Also, Chromium exceeded the rpd limit.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0509F-CS (680-88767-14), CV0509O-CS (680-88767-24), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509Y-CS (680-88767-35), CV0509AL-GS (680-88767-52) and CV0509Y-CS (sieve) (680-88767-55) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 03/29/2013.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

Sample Summary

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88767-14	CV0509F-CS	Solid	03/26/13 09:55	03/28/13 09:37
680-88767-15	CV0509G-CS	Solid	03/26/13 09:58	03/28/13 09:37
680-88767-24	CV0509O-CS	Solid	03/26/13 10:45	03/28/13 09:37
680-88767-29	CV0509T-CS	Solid	03/26/13 13:20	03/28/13 09:37
680-88767-30	CV0509T-CSD	Solid	03/26/13 13:25	03/28/13 09:37
680-88767-35	CV0509Y-CS	Solid	03/26/13 14:10	03/28/13 09:37
680-88767-52	CV0509AL-GS	Solid	03/26/13 15:37	03/28/13 09:37
680-88767-55	CV0509Y-CS (sieve)	Solid	03/26/13 14:10	03/28/13 09:37

Method Summary

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL TAM
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

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: 680-88767-4
SDG: 68088767-4

Qualifiers

GC/MS Semi VOA

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.

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Client Sample ID: CV0509F-CS

Lab Sample ID: 680-88767-14

Date Collected: 03/26/13 09:55

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 79.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		2.5	0.74	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	1
Barium	190		1.3	0.38	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	1
Cadmium	0.39	J	0.63	0.13	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	1
Chromium	45		1.3	0.63	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	1
Lead	90		1.3	0.67	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	1
Selenium	3.2	U	3.2	1.3	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	1
Silver	1.3	U	1.3	0.12	mg/Kg	☼	03/29/13 10:06	04/02/13 22:02	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	0.13		0.023	0.0096	mg/Kg	☼	03/29/13 10:50	03/29/13 17:54	1

Client Sample ID: CV0509G-CS

Lab Sample ID: 680-88767-15

Date Collected: 03/26/13 09:58

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	470	U	470	40	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Atrazine	470	U	470	33	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Benzaldehyde	470	U	470	82	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
1,1'-Biphenyl	470	U	470	1000	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Bis(2-chloroethoxy)methane	470	U	470	55	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Bis(2-chloroethyl)ether	470	U	470	64	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
bis (2-chloroisopropyl) ether	470	U	470	43	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Bis(2-ethylhexyl) phthalate	220	J	470	41	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4-Bromophenyl phenyl ether	470	U	470	51	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Butyl benzyl phthalate	470	U	470	37	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Caprolactam	470	U	470	94	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Carbazole	80	J	470	43	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4-Chloroaniline	940	U	940	74	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4-Chloro-3-methylphenol	470	U	470	50	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2-Chloronaphthalene	470	U	470	50	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2-Chlorophenol	470	U	470	57	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4-Chlorophenyl phenyl ether	470	U	470	62	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
3,3'-Dichlorobenzidine	940	U	940	40	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,4-Dichlorophenol	470	U	470	50	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Diethyl phthalate	470	U	470	52	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,4-Dimethylphenol	470	U	470	62	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Dimethyl phthalate	470	U	470	48	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Di-n-butyl phthalate	470	U	470	43	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4,6-Dinitro-2-methylphenol	2400	U	2400	240	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,4-Dinitrophenol	2400	U	2400	1200	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,4-Dinitrotoluene	470	U	470	69	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,6-Dinitrotoluene	470	U	470	60	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Di-n-octyl phthalate	470	U	470	41	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Hexachlorobenzene	470	U	470	55	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Hexachlorobutadiene	470	U	470	51	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Hexachlorocyclopentadiene	470	U	470	58	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Hexachloroethane	470	U	470	40	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Client Sample ID: CV0509G-CS

Lab Sample ID: 680-88767-15

Date Collected: 03/26/13 09:58

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	470	U	470	47	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2-Methylphenol	470	U	470	38	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
3 & 4 Methylphenol	460	J	470	61	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2-Nitroaniline	2400	U	2400	64	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
3-Nitroaniline	2400	U	2400	65	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4-Nitroaniline	2400	U	2400	69	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Nitrobenzene	470	U	470	37	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2-Nitrophenol	470	U	470	58	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
4-Nitrophenol	2400	U	2400	470	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
N-Nitrosodi-n-propylamine	470	U	470	45	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
N-Nitrosodiphenylamine	470	U	470	47	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Pentachlorophenol	2400	U	2400	470	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Phenol	470	U	470	48	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,4,5-Trichlorophenol	470	U	470	50	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
2,4,6-Trichlorophenol	470	U	470	41	ug/Kg	☼	04/01/13 18:43	04/05/13 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		58 - 130				04/01/13 18:43	04/05/13 21:35	1
2-Fluorophenol (Surr)	44		40 - 130				04/01/13 18:43	04/05/13 21:35	1
Nitrobenzene-d5 (Surr)	71		46 - 130				04/01/13 18:43	04/05/13 21:35	1
Phenol-d5 (Surr)	66		49 - 130				04/01/13 18:43	04/05/13 21:35	1
Terphenyl-d14 (Surr)	76		60 - 130				04/01/13 18:43	04/05/13 21:35	1
2,4,6-Tribromophenol (Surr)	67		58 - 130				04/01/13 18:43	04/05/13 21:35	1

Client Sample ID: CV0509O-CS

Lab Sample ID: 680-88767-24

Date Collected: 03/26/13 10:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 65.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		2.7	0.79	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1
Barium	240		1.3	0.40	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1
Cadmium	0.57	J	0.67	0.13	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1
Chromium	35		1.3	0.67	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1
Lead	140		1.3	0.71	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1
Selenium	1.7	J	3.4	1.3	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1
Silver	1.3	U	1.3	0.13	mg/Kg	☼	03/29/13 10:06	04/02/13 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.026	0.011	mg/Kg	☼	03/29/13 10:50	03/29/13 18:01	1

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		2.9	0.86	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1
Barium	160		1.5	0.44	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.47	J	0.73	0.15	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1
Chromium	37		1.5	0.73	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1
Lead	130		1.5	0.77	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1
Selenium	2.3	J	3.6	1.5	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1
Silver	1.5	U	1.5	0.14	mg/Kg	☼	03/29/13 10:06	04/02/13 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.026	0.011	mg/Kg	☼	03/29/13 10:50	03/29/13 18:03	1

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Date Collected: 03/26/13 13:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.5	0.75	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1
Barium	290		1.3	0.38	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1
Cadmium	0.48	J	0.64	0.13	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1
Chromium	48		1.3	0.64	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1
Lead	140		1.3	0.67	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1
Selenium	1.9	J	3.2	1.3	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1
Silver	1.3	U	1.3	0.12	mg/Kg	☼	03/29/13 10:06	04/02/13 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.022	0.0091	mg/Kg	☼	03/29/13 10:50	03/29/13 18:11	1

Client Sample ID: CV0509Y-CS

Lab Sample ID: 680-88767-35

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		2.7	0.80	mg/Kg	☼	03/29/13 10:06	04/02/13 22:46	1
Barium	290		1.3	0.40	mg/Kg	☼	03/29/13 10:06	04/02/13 22:46	1
Cadmium	1.7		0.67	0.13	mg/Kg	☼	03/29/13 10:06	04/02/13 22:46	1
Chromium	34		2.7	1.3	mg/Kg	☼	03/29/13 10:06	04/03/13 11:46	2
Lead	290		1.3	0.71	mg/Kg	☼	03/29/13 10:06	04/02/13 22:46	1
Selenium	6.7	U	6.7	2.7	mg/Kg	☼	03/29/13 10:06	04/03/13 11:46	2
Silver	2.7	U	2.7	0.26	mg/Kg	☼	03/29/13 10:06	04/03/13 11:46	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.024	0.0099	mg/Kg	☼	03/29/13 10:50	03/29/13 18:13	1

Client Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Client Sample ID: CV0509AL-GS

Lab Sample ID: 680-88767-52

Date Collected: 03/26/13 15:37

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 83.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20		2.1	0.63	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1
Barium	340		1.1	0.32	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1
Cadmium	0.20	J	0.54	0.11	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1
Chromium	50		1.1	0.54	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1
Lead	95		1.1	0.57	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1
Selenium	1.5	J	2.7	1.1	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1
Silver	1.1	U	1.1	0.10	mg/Kg	☼	03/29/13 10:06	04/02/13 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.022	0.0090	mg/Kg	☼	03/29/13 10:50	03/29/13 18:16	1

Client Sample ID: CV0509Y-CS (sieve)

Lab Sample ID: 680-88767-55

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		2.4	0.71	mg/Kg	☼	03/29/13 10:06	04/02/13 22:56	1
Barium	290		1.2	0.36	mg/Kg	☼	03/29/13 10:06	04/02/13 22:56	1
Cadmium	1.7		0.60	0.12	mg/Kg	☼	03/29/13 10:06	04/02/13 22:56	1
Chromium	32		2.4	1.2	mg/Kg	☼	03/29/13 10:06	04/03/13 11:52	2
Lead	290		1.2	0.64	mg/Kg	☼	03/29/13 10:06	04/02/13 22:56	1
Selenium	6.0	U	6.0	2.4	mg/Kg	☼	03/29/13 10:06	04/03/13 11:52	2
Silver	2.4	U	2.4	0.23	mg/Kg	☼	03/29/13 10:06	04/03/13 11:52	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.023	0.0096	mg/Kg	☼	03/29/13 10:50	03/29/13 18:18	1

QC Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-271424/8-A

Matrix: Solid

Analysis Batch: 272369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 271424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	320	U	320	28	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Atrazine	320	U	320	23	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Benzaldehyde	320	U	320	57	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
1,1'-Biphenyl	320	U	320	730	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Bis(2-chloroethoxy)methane	320	U	320	38	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Bis(2-chloroethyl)ether	320	U	320	44	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
bis (2-chloroisopropyl) ether	320	U	320	30	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Bis(2-ethylhexyl) phthalate	320	U	320	29	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4-Bromophenyl phenyl ether	320	U	320	35	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Butyl benzyl phthalate	320	U	320	26	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Caprolactam	320	U	320	65	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Carbazole	320	U	320	30	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4-Chloroaniline	650	U	650	51	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4-Chloro-3-methylphenol	320	U	320	34	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2-Chloronaphthalene	320	U	320	34	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2-Chlorophenol	320	U	320	39	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4-Chlorophenyl phenyl ether	320	U	320	43	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
3,3'-Dichlorobenzidine	650	U	650	28	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,4-Dichlorophenol	320	U	320	34	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Diethyl phthalate	320	U	320	36	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,4-Dimethylphenol	320	U	320	43	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Dimethyl phthalate	320	U	320	33	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Di-n-butyl phthalate	320	U	320	30	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4,6-Dinitro-2-methylphenol	1700	U	1700	170	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,4-Dinitrophenol	1700	U	1700	820	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,4-Dinitrotoluene	320	U	320	48	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,6-Dinitrotoluene	320	U	320	41	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Di-n-octyl phthalate	320	U	320	29	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Hexachlorobenzene	320	U	320	38	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Hexachlorobutadiene	320	U	320	35	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Hexachlorocyclopentadiene	320	U	320	40	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Hexachloroethane	320	U	320	28	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Isophorone	320	U	320	32	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2-Methylphenol	320	U	320	27	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
3 & 4 Me hylphenol	320	U	320	42	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2-Nitroaniline	1700	U	1700	44	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
3-Nitroaniline	1700	U	1700	45	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4-Nitroaniline	1700	U	1700	48	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Nitrobenzene	320	U	320	26	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2-Nitrophenol	320	U	320	40	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
4-Nitrophenol	1700	U	1700	320	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
N-Nitrosodi-n-propylamine	320	U	320	31	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
N-Nitrosodiphenylamine	320	U	320	32	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Pentachlorophenol	1700	U	1700	320	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
Phenol	320	U	320	33	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,4,5-Trichlorophenol	320	U	320	34	ug/Kg		04/01/13 18:43	04/05/13 16:40	1
2,4,6-Trichlorophenol	320	U	320	29	ug/Kg		04/01/13 18:43	04/05/13 16:40	1

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-271424/8-A
Matrix: Solid
Analysis Batch: 272369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271424

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	85		58 - 130	04/01/13 18:43	04/05/13 16:40	1
2-Fluorophenol (Surr)	80		40 - 130	04/01/13 18:43	04/05/13 16:40	1
Nitrobenzene-d5 (Surr)	84		46 - 130	04/01/13 18:43	04/05/13 16:40	1
Phenol-d5 (Surr)	91		49 - 130	04/01/13 18:43	04/05/13 16:40	1
Terphenyl-d14 (Surr)	90		60 - 130	04/01/13 18:43	04/05/13 16:40	1
2,4,6-Tribromophenol (Surr)	94		58 - 130	04/01/13 18:43	04/05/13 16:40	1

Lab Sample ID: LCS 680-271424/9-A
Matrix: Solid
Analysis Batch: 272369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acetophenone	3320	2190		ug/Kg		66	42 - 130
Atrazine	3320	2580		ug/Kg		78	54 - 141
Benzaldehyde	3320	1070		ug/Kg		32	10 - 130
1,1'-Biphenyl	3320	2540		ug/Kg		77	57 - 130
Bis(2-chloroethoxy)methane	3320	2640		ug/Kg		80	56 - 130
Bis(2-chloroethyl)ether	3320	2260		ug/Kg		68	42 - 130
bis (2-chloroisopropyl) ether	3320	2110		ug/Kg		64	44 - 130
Bis(2-ethylhexyl) phthalate	3320	2800		ug/Kg		84	62 - 132
4-Bromophenyl phenyl ether	3320	2580		ug/Kg		78	65 - 130
Butyl benzyl phthalate	3320	3160		ug/Kg		95	65 - 134
Caprolactam	3320	3260		ug/Kg		98	52 - 130
Carbazole	3320	2730		ug/Kg		82	60 - 130
4-Chloroaniline	3320	2230		ug/Kg		67	36 - 130
4-Chloro-3-methylphenol	3320	2900		ug/Kg		88	52 - 130
2-Chloronaphthalene	3320	2440		ug/Kg		73	55 - 130
2-Chlorophenol	3320	2490		ug/Kg		75	51 - 130
4-Chlorophenyl phenyl ether	3320	2740		ug/Kg		83	61 - 130
3,3'-Dichlorobenzidine	3320	2720		ug/Kg		82	45 - 130
2,4-Dichlorophenol	3320	2800		ug/Kg		84	53 - 130
Diethyl phthalate	3320	2850		ug/Kg		86	62 - 130
2,4-Dimethylphenol	3320	2710		ug/Kg		82	47 - 130
Dimethyl phthalate	3320	2780		ug/Kg		84	63 - 130
Di-n-butyl phthalate	3320	2660		ug/Kg		80	65 - 130
4,6-Dinitro-2-methylphenol	3320	3040		ug/Kg		92	14 - 137
2,4-Dinitrophenol	3320	3410		ug/Kg		103	10 - 154
2,4-Dinitrotoluene	3320	2940		ug/Kg		89	55 - 130
2,6-Dinitrotoluene	3320	2880		ug/Kg		87	57 - 130
Di-n-octyl phthalate	3320	3050		ug/Kg		92	59 - 146
Hexachlorobenzene	3320	2540		ug/Kg		77	59 - 130
Hexachlorobutadiene	3320	2630		ug/Kg		79	47 - 130
Hexachlorocyclopentadiene	3320	2300		ug/Kg		69	35 - 130
Hexachloroethane	3320	2020		ug/Kg		61	44 - 130
Isophorone	3320	2300		ug/Kg		69	48 - 130
2-Methylphenol	3320	2650		ug/Kg		80	49 - 130
3 & 4 Me hylphenol	3320	2680		ug/Kg		81	50 - 130
2-Nitroaniline	3320	2760		ug/Kg		83	52 - 130

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-271424/9-A

Matrix: Solid

Analysis Batch: 272369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 271424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	3320	2600		ug/Kg		79	42 - 130
4-Nitroaniline	3320	2790		ug/Kg		84	49 - 130
Nitrobenzene	3320	2420		ug/Kg		73	43 - 130
2-Nitrophenol	3320	2730		ug/Kg		82	45 - 130
4-Nitrophenol	3320	2820		ug/Kg		85	30 - 130
N-Nitrosodi-n-propylamine	3320	2640		ug/Kg		80	48 - 130
N-Nitrosodiphenylamine	3320	2560		ug/Kg		77	62 - 130
Pentachlorophenol	3320	2850		ug/Kg		86	38 - 131
Phenol	3320	2590		ug/Kg		78	46 - 130
2,4,5-Trichlorophenol	3320	2870		ug/Kg		86	60 - 130
2,4,6-Trichlorophenol	3320	2670		ug/Kg		80	53 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	74		58 - 130
2-Fluorophenol (Surr)	75		40 - 130
Nitrobenzene-d5 (Surr)	76		46 - 130
Phenol-d5 (Surr)	84		49 - 130
Terphenyl-d14 (Surr)	89		60 - 130
2,4,6-Tribromophenol (Surr)	97		58 - 130

Lab Sample ID: 680-88767-15 MS

Matrix: Solid

Analysis Batch: 272369

Client Sample ID: CV0509G-CS

Prep Type: Total/NA

Prep Batch: 271424

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	67		58 - 130
2-Fluorophenol (Surr)	50		40 - 130
Nitrobenzene-d5 (Surr)	74		46 - 130
Phenol-d5 (Surr)	71		49 - 130
Terphenyl-d14 (Surr)	63		60 - 130
2,4,6-Tribromophenol (Surr)	63		58 - 130

Lab Sample ID: 680-88767-15 MSD

Matrix: Solid

Analysis Batch: 272369

Client Sample ID: CV0509G-CS

Prep Type: Total/NA

Prep Batch: 271424

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	69		58 - 130
2-Fluorophenol (Surr)	53		40 - 130
Nitrobenzene-d5 (Surr)	77		46 - 130
Phenol-d5 (Surr)	74		49 - 130
Terphenyl-d14 (Surr)	72		60 - 130
2,4,6-Tribromophenol (Surr)	71		58 - 130

QC Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-271166/1-A
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.57	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Barium	0.96	U	0.96	0.29	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Cadmium	0.48	U	0.48	0.096	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Chromium	0.96	U	0.96	0.48	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Lead	0.96	U	0.96	0.51	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Selenium	2.4	U	2.4	0.96	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Silver	0.96	U	0.96	0.092	mg/Kg		03/29/13 10:06	04/02/13 20:51	1

Lab Sample ID: LCS 680-271166/3-A
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.6	18.8		mg/Kg		96	75 - 125
Barium	19.6	17.9		mg/Kg		91	75 - 125
Cadmium	19.6	18.6		mg/Kg		95	75 - 125
Chromium	19.6	18.6		mg/Kg		95	75 - 125
Lead	19.6	17.7		mg/Kg		90	75 - 125
Selenium	19.6	17.3		mg/Kg		88	75 - 125
Silver	19.6	19.0		mg/Kg		97	75 - 125

Lab Sample ID: 680-88767-14 MS
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: CV0509F-CS
Prep Type: Total/NA
Prep Batch: 271166

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	16		12.5	26.9		mg/Kg	☼	88	75 - 125
Barium	190		12.5	130	4	mg/Kg	☼	-463	75 - 125
Cadmium	0.39	J	6.25	6.51		mg/Kg	☼	98	75 - 125
Chromium	45		12.5	50.9	F	mg/Kg	☼	45	75 - 125
Lead	90		6.25	88.9	4	mg/Kg	☼	-22	75 - 125
Selenium	3.2	U	12.5	12.3		mg/Kg	☼	98	75 - 125
Silver	1.3	U	6.25	5.88		mg/Kg	☼	94	75 - 125

Lab Sample ID: 680-88767-14 MSD
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: CV0509F-CS
Prep Type: Total/NA
Prep Batch: 271166

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	16		12.5	28.6		mg/Kg	☼	101	75 - 125	6	20
Barium	190		12.5	129	4	mg/Kg	☼	-469	75 - 125	1	20
Cadmium	0.39	J	6.25	6.58		mg/Kg	☼	99	75 - 125	1	20
Chromium	45		12.5	62.7	F	mg/Kg	☼	138	75 - 125	21	20
Lead	90		6.25	94.5	4	mg/Kg	☼	67	75 - 125	6	20
Selenium	3.2	U	12.5	13.0		mg/Kg	☼	104	75 - 125	5	20
Silver	1.3	U	6.25	5.61		mg/Kg	☼	90	75 - 125	5	20

QC Sample Results

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

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

Lab Sample ID: MB 680-271188/1-A
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0080	mg/Kg		03/29/13 10:50	03/29/13 17:19	1

Lab Sample ID: LCS 680-271188/2-A
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.223	0.232		mg/Kg		104	80 - 120

Lab Sample ID: 680-88767-14 MS
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: CV0509F-CS
Prep Type: Total/NA
Prep Batch: 271188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.13		0.119	0.228		mg/Kg	☼	85	80 - 120

Lab Sample ID: 680-88767-14 MSD
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: CV0509F-CS
Prep Type: Total/NA
Prep Batch: 271188

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.13		0.115	0.228		mg/Kg	☼	88	80 - 120	0	20

QC Association Summary

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

GC/MS Semi VOA

Prep Batch: 271424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-15	CV0509G-CS	Total/NA	Solid	3546	
680-88767-15 MS	CV0509G-CS	Total/NA	Solid	3546	
680-88767-15 MSD	CV0509G-CS	Total/NA	Solid	3546	
LCS 680-271424/9-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-271424/8-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 272369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-15	CV0509G-CS	Total/NA	Solid	8270D	271424
680-88767-15 MS	CV0509G-CS	Total/NA	Solid	8270D	271424
680-88767-15 MSD	CV0509G-CS	Total/NA	Solid	8270D	271424
LCS 680-271424/9-A	Lab Control Sample	Total/NA	Solid	8270D	271424
MB 680-271424/8-A	Method Blank	Total/NA	Solid	8270D	271424

Metals

Prep Batch: 271166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-14	CV0509F-CS	Total/NA	Solid	3050B	
680-88767-14 MS	CV0509F-CS	Total/NA	Solid	3050B	
680-88767-14 MSD	CV0509F-CS	Total/NA	Solid	3050B	
680-88767-24	CV0509O-CS	Total/NA	Solid	3050B	
680-88767-29	CV0509T-CS	Total/NA	Solid	3050B	
680-88767-30	CV0509T-CSD	Total/NA	Solid	3050B	
680-88767-35	CV0509Y-CS	Total/NA	Solid	3050B	
680-88767-52	CV0509AL-GS	Total/NA	Solid	3050B	
680-88767-55	CV0509Y-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-271166/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-271166/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 271188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-14	CV0509F-CS	Total/NA	Solid	7471B	
680-88767-14 MS	CV0509F-CS	Total/NA	Solid	7471B	
680-88767-14 MSD	CV0509F-CS	Total/NA	Solid	7471B	
680-88767-24	CV0509O-CS	Total/NA	Solid	7471B	
680-88767-29	CV0509T-CS	Total/NA	Solid	7471B	
680-88767-30	CV0509T-CSD	Total/NA	Solid	7471B	
680-88767-35	CV0509Y-CS	Total/NA	Solid	7471B	
680-88767-52	CV0509AL-GS	Total/NA	Solid	7471B	
680-88767-55	CV0509Y-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-271188/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-271188/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 271298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-14	CV0509F-CS	Total/NA	Solid	7471B	271188
680-88767-14 MS	CV0509F-CS	Total/NA	Solid	7471B	271188
680-88767-14 MSD	CV0509F-CS	Total/NA	Solid	7471B	271188
680-88767-24	CV0509O-CS	Total/NA	Solid	7471B	271188

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

Metals (Continued)

Analysis Batch: 271298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-29	CV0509T-CS	Total/NA	Solid	7471B	271188
680-88767-30	CV0509T-CSD	Total/NA	Solid	7471B	271188
680-88767-35	CV0509Y-CS	Total/NA	Solid	7471B	271188
680-88767-52	CV0509AL-GS	Total/NA	Solid	7471B	271188
680-88767-55	CV0509Y-CS (sieve)	Total/NA	Solid	7471B	271188
LCS 680-271188/2-A	Lab Control Sample	Total/NA	Solid	7471B	271188
MB 680-271188/1-A	Method Blank	Total/NA	Solid	7471B	271188

Analysis Batch: 271678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-14	CV0509F-CS	Total/NA	Solid	6010C	271166
680-88767-14 MS	CV0509F-CS	Total/NA	Solid	6010C	271166
680-88767-14 MSD	CV0509F-CS	Total/NA	Solid	6010C	271166
680-88767-24	CV0509O-CS	Total/NA	Solid	6010C	271166
680-88767-29	CV0509T-CS	Total/NA	Solid	6010C	271166
680-88767-30	CV0509T-CSD	Total/NA	Solid	6010C	271166
680-88767-35	CV0509Y-CS	Total/NA	Solid	6010C	271166
680-88767-52	CV0509AL-GS	Total/NA	Solid	6010C	271166
680-88767-55	CV0509Y-CS (sieve)	Total/NA	Solid	6010C	271166
LCS 680-271166/3-A	Lab Control Sample	Total/NA	Solid	6010C	271166
MB 680-271166/1-A	Method Blank	Total/NA	Solid	6010C	271166

Analysis Batch: 271753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-35	CV0509Y-CS	Total/NA	Solid	6010C	271166
680-88767-55	CV0509Y-CS (sieve)	Total/NA	Solid	6010C	271166

General Chemistry

Analysis Batch: 135922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-14	CV0509F-CS	Total/NA	Solid	Moisture	
680-88767-15	CV0509G-CS	Total/NA	Solid	Moisture	
680-88767-24	CV0509O-CS	Total/NA	Solid	Moisture	
680-88767-29	CV0509T-CS	Total/NA	Solid	Moisture	
680-88767-30	CV0509T-CSD	Total/NA	Solid	Moisture	
680-88767-35	CV0509Y-CS	Total/NA	Solid	Moisture	
680-88767-52	CV0509AL-GS	Total/NA	Solid	Moisture	
680-88767-A-14 MS	680-88767-A-14 MS	Total/NA	Solid	Moisture	
680-88767-A-14 MSD	680-88767-A-14 MSD	Total/NA	Solid	Moisture	

Analysis Batch: 271139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-55	CV0509Y-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Client Sample ID: CV0509F-CS

Lab Sample ID: 680-88767-14

Date Collected: 03/26/13 09:55

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 17:54	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:02	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509G-CS

Lab Sample ID: 680-88767-15

Date Collected: 03/26/13 09:58

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			271424	04/01/13 18:43	JS	TAL SAV
Total/NA	Analysis	8270D		1	272369	04/05/13 21:35	SMC	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509O-CS

Lab Sample ID: 680-88767-24

Date Collected: 03/26/13 10:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 65.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 18:01	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:18	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 18:03	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:24	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Date Collected: 03/26/13 13:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 18:11	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:40	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509Y-CS

Lab Sample ID: 680-88767-35

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 18:13	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:46	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		2	271753	04/03/13 11:46	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509AL-GS

Lab Sample ID: 680-88767-52

Date Collected: 03/26/13 15:37

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 18:16	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:51	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509Y-CS (sieve)

Lab Sample ID: 680-88767-55

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 18:18	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 22:56	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		2	271753	04/03/13 11:52	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271139	03/29/13 10:00	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

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

1

2

3

4

5

6

7

8

9

10

11

12

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</i>	OF <i>5</i>
--	------------------------------------	---------------------------------------	-------------	-------------------	------------------	----------------

TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQ (AQUEOUS) W (WATER) S (SOLID OR SEMISOLID) AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH SVOC Metals	STANDARD REPORT DELIVERY <input type="radio"/>
CLIENT NAME	CLIENT PHONE	CLIENT FAX				DATE DUE _____

(b) (6)
(b) (6)

CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
----------------	---	---	----------------

PRESERVATIVE		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
--------------	--	---

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQ (AQUEOUS) W (WATER) S (SOLID OR SEMISOLID) AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
-------------	-------------	-----------------------	------------------------------------	---	---------------------------------------	--------------------------------	---------

Page 21 of 27

3-26-13	0945	CV0509 E - CS	C	X	X		
	0955	CV0509 F - CS	C	X	X	X	
	0958	CV0509 G - CS	C	X	X	X	
	1005	CV0509 H - CS	C	X	X		
	1007	CV0509 I - CS	C	X	X		
	1012	CV0509 J - CS	C	X	X		
	1018	CV0509 K - CS	C	X	X		
	1020	CV0509 K - CSD	C	X	X		
	1022	CV0509 L - CS	C	X	X		
	1034	CV0509 M - CS	C	X	X		
	1040	CV0509 N - CS	C	X	X		
	1045	CV0509 O - CS	C	X	X	X	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-26-13</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

4/11/2013

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>650-88767</i>	LABORATORY REMARKS <i>1.4c</i>
---	-------------------------	---------------------	---	------------------	-----------------------------------	-----------------------------------



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005198-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i>	OF <i>5</i>
--	------------------------------------	---------------------------------------	-------------	-------------------	------------------	----------------

TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER <i>#</i>	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	<i>LL PAH</i> <i>SVOC</i> <i>Metals</i>	STANDARD REPORT DELIVERY <input type="radio"/>
CLIENT NAME <i>(b) (6)</i>	CLIENT E-MAIL <i>(b) (6)</i>	CLIENT FAX			DATE DUE _____

CLIENT ADDRESS	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>
COMPANY CONTRACTING THIS WORK (if applicable)	DATE DUE _____

SAMPLE		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED					REMARKS
DATE	TIME							

DATE	TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
<i>3-26-13</i>	<i>1230</i>	<i>Cvφ5φ9 P - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1300</i>	<i>Cvφ5φ9 Q - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1305</i>	<i>Cvφ5φ9 R - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1315</i>	<i>Cvφ5φ9 S - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1320</i>	<i>Cvφ5φ9 T - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>	
	<i>1325</i>	<i>Cvφ5φ9 T - CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>	
	<i>1332</i>	<i>Cvφ5φ9 U - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1335</i>	<i>Cvφ5φ9 V - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1340</i>	<i>Cvφ5φ9 W - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1342</i>	<i>Cvφ5φ9 X - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		
	<i>1410</i>	<i>Cvφ5φ9 Y - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>	
	<i>1415</i>	<i>Cvφ5φ9 Z - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-27-13</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH <i>680</i> LOG NO. <i>88767</i>	LABORATORY REMARKS <i>1-4c</i>

Page 22 of 27

4/11/2013



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>		PROJECT NO. <i>0005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS										PAGE <i>5</i>	OF <i>5</i>						
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>		P.O. NUMBER	CONTRACT NO.	COMPOSITE (G) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	<i>LLPAAH</i>	<i>SVOC</i>	<i>Metals</i>	STANDARD REPORT DELIVERY <input type="radio"/>										DATE DUE _____
CLIENT (SITE) PM <i>(b) (6)</i>		CLIENT PHONE	CLIENT FAX									EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>										DATE DUE _____
CLIENT NAME <i>(b) (6)</i>		CLIENT EMAIL										NUMBER OF COOLERS SUBMITTED PER SHIPMENT:										
CLIENT ADDRESS		COMPANY CONTRACTING THIS WORK (if applicable)										PRESERVATIVE										
SAMPLE		SAMPLE IDENTIFICATION				NUMBER OF CONTAINERS SUBMITTED										REMARKS						
DATE	TIME																					
<i>3-26-13</i>	<i>1325</i>	<i>CV0509 AI - GS</i>				<i>G</i>	<i>X</i>			<i>X</i>												
	<i>1330</i>	<i>CV0509 AJ - GS</i>				<i>G</i>	<i>X</i>			<i>X</i>												
	<i>1535</i>	<i>CV0509 AK - GS</i>				<i>G</i>	<i>X</i>			<i>X</i>												
	<i>1537</i>	<i>CV0509 AL - GS</i>				<i>G</i>	<i>X</i>			<i>X</i>	<i>X</i>											
	<i>1539</i>	<i>CV0509 AM - GS</i>				<i>G</i>	<i>X</i>			<i>X</i>												
	<i>1540</i>	<i>CV0509 AN - GS</i>				<i>G</i>	<i>X</i>			<i>X</i>												
<i>3-26-13</i>	<i>1410</i>	<i>CV0509 Y - CS (sieve)</i>				<i>C</i>	<i>X</i>				<i>X</i>											
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE <i>3-27-13</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME							
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME							
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>		DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88767</i>	LABORATORY REMARKS <i>1.4°</i>															

Page 23 of 27

4/11/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-4

SDG Number: 68088767-4

Login Number: 88767

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have leg ble labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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: 680-88767-4

SDG Number: 68088767-4

Login Number: 88767

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

List Creation: 03/29/13 09:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have leg ble labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Certification Summary

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

TestAmerica Job ID: 680-88767-4
 SDG: 68088767-4

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13
Georgia	State Program	4	905	06-30-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

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

TestAmerica Job ID: 680-88767-4
SDG: 68088767-4

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00177	04-20-14

1

2

3

4

5

6

7

8

9

10

11

12