REDACTED

Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	TestAmerica - Savannah, GA	Job ID.:	680-88811-5
Method:	SW-846 6010C and 7471B	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	03/27/2013 & 03/28/2013
Reviewer:	Jane Lindsey	Date:	04/10/2013
Concurrence[1]:	Carol Lovett, Sarah Choyke	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 10th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?		✓		Target analytes were not detected in the method blanks. Calibration blanks were not evaluated.	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
11. Were target analytes reported in equipment/rinsate blanks analyses above the DL?		✓		According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. Rinsate blank 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? o If blank result > RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results o If blank result ≤RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results			✓	Method and rinsate blank contamination does not exist.	
13. Are there negative laboratory blank results with the absolute value ≤RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?	✓			• CV1039A-CS (680-88811-22) and CV1039A-CSD (680-88811-23) • CV1039A-CS (sieve) (680-88811-39) and CV1039A-CSD (sieve) (680-88811-40)	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to **Attachment B** (Field Duplicate Evaluation)	J
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010C: • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed o 7471B: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run	✓			• 6010C: 04/02/2013-04/03/2013, instrument ICPF. 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. • 7471B: 04/04/2013, 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
17. Were these results within lab/project specifications? ○ 6010C • ICV/CCV (Criteria: 90-110%R): ▪ 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): ▪ 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 • ICV/CCV (Criteria: 80-120%R): ▪ 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): ▪ 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	✓			Mercury correlation coefficient: • 7471B: ICAL of 03/29/2013 is 0.9999795 (page 192) • 245.1: ICAL of 04/04/2013 is 0.9999355 (page 196)	
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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: o If >120%R (or >true value plus 2x CRQL), J+ flag positive results o If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects o 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? o Soil: • 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 o Aqueous: • 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 (≤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?	✓			• 6010C, Prep Batch 271368: 680-88811-22 (CV1039A-CS), MS/MSD • 7471B: o Prep Batch 271209: 680-88811-22 (CV1039A-CS), MS/MSD o Prep Batch 271529: 680-88811-39 (CV0139A-CS (sieve)), MS/MSD	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			6010C: 680-88811-22 (CV1039A-CS)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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? *Only QC results for project samples that are reported under this Job ID are evaluated.* If not, ○ 6010C: • 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: • 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		✓		CV1039A-CS (680-88811-22): • Arsenic @ 131 and 23%R (75-125). PDS @ 98%R (75-125). J Flag result in both the primary and field duplicate samples • Barium @ 34 and 441%R (75-125). An evaluation of interference is not possible based on MS and MSD results[2]. PDS recovery (97%) met control limits of 75-125%. • Chromium @ 131 and -86%R (75-125). An evaluation of interference is not possible based on MS and MSD results[2]. PDS recovery (89%) met control limits of 75-125%. • Lead @ 834 and 1058%R (75-125). An evaluation of interference is not possible based on MS, MSD, and PDS results[2]. • Silver @ 63%R and 63%R (75-125). PDS @ 98%R (75-125). J Flag result in both the primary and field duplicate samples • Mercury @ 80 and 53%R (80-120). Qualification of data is not required, because MS %R meets acceptance criteria.	J

[2] The native sample concentration is greater than 4x the spiking level.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
27. Were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? *Only QC results for project samples that are reported under this Job ID are evaluated.* o If RPD >20%, J and UJ flag positive and non-detect results.		✓		CV1039A-CS (680-88811-22): • Arsenic @ 31%RPD (≤20). J flag result in both the primary and field duplicate samples • Barium @ 25%RPD (≤20). The native sample concentration is greater than 4x the MS/MSD spiking level; therefore, an evaluation of interference is not possible. • Chromium @ 35%RPD (≤20). The native sample concentration is greater than 4x the MS/MSD spiking level; therefore, an evaluation of interference is not possible	J
28. Was a serial dilution conducted for 6010C?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓			6010C: CV1039A-CS (680-88811-22)	
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)? *Only QC results for project samples that are reported under this Job ID are evaluated.* 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? *Only QC results for project samples that are reported under this Job ID are evaluated.* 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)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review* (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

Data Validation Checklist (Continued)

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: 680-88811-5
SDG: 68088811-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88811-22	CV1039A-CS	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-23	CV1039A-CSD	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-27	CV1366A-CS	Solid	03/27/13 13:10	03/29/13 09:45
680-88811-30	CV1043B-CS	Solid	03/27/13 14:25	03/29/13 09:45
680-88811-34	CV1042C-CS	Solid	03/27/13 13:25	03/29/13 09:45
680-88811-39	CV1039A-CS (sieve)	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-40	CV1039A-CSD (sieve)	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-41	CV1042C-CS (sieve)	Solid	03/27/13 13:25	03/29/13 09:45
680-88811-42	CV1043B-CS (sieve)	Solid	03/27/13 14:25	03/29/13 09:45
680-88811-43	CV1366A-CS (sieve)	Solid	03/27/13 13:10	03/29/13 09:45
680-88811-45	CV1119B-CS	Solid	03/28/13 09:25	03/29/13 09:45
680-88811-64	CV1131B-CS	Solid	03/28/13 11:07	03/29/13 09:45
680-88811-74	CV1138B-CS	Solid	03/28/13 13:05	03/29/13 09:45
680-88811-78	CV1052B-CS	Solid	03/28/13 14:50	03/29/13 09:45
680-88811-85	CV1131B-CS (sieve)	Solid	03/28/13 11:07	03/29/13 09:45
680-88811-86	CV1138B-CS (sieve)	Solid	03/28/13 13:05	03/29/13 09:45
680-88811-87	CV1052B-CS (sieve)	Solid	03/28/13 14:50	03/29/13 09:45
680-88811-88	CV1119B-CS (sieve)	Solid	03/28/13 09:25	03/29/13 09:45

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment B**

Analyte	CV1039A-CS (680-88811-22)	RL	CV1039A-CSD (680-88811-23)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Arsenic	40	3.0	16	2.3	mg/kg	13.25	**86**	NA	NA	**J/UJ-flag, RPD > 50%**
Barium	210	1.5	160	1.1	mg/kg	6.5	**27**	NA	NA	None, RPD ≤ 50%
Cadmium	2.2	0.74	2.0	0.57	mg/kg	3.275	NA	0.2	1.31	None, absolute difference ≤ 2x Avg RL
Chromium	88	1.5	1100	1.1	mg/kg	6.5	**170**	NA	NA	**J/UJ-flag, RPD > 50%**
Lead	390	1.5	260	1.1	mg/kg	6.5	**40**	NA	NA	None, RPD ≤ 50%
Selenium	1.5	3.7	4.1	2.9	mg/kg	16.5	NA	2.6	6.6	None, absolute difference ≤ 2x Avg RL
Silver	0.22	1.5	0.51	1.1	mg/kg	6.5	NA	0.29	2.6	None, absolute difference ≤ 2x Avg RL
Mercury	0.27	0.027	0.18	0.023	mg/kg	0.125	**40**	NA	NA	None, RPD ≤ 50%

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

Analyte	CV1039A-CS (sieve) (680-88811-39)	RL	CV1039A-CSD (sieve) (680-88811-40)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Arsenic	26	2.2	24	2.3	mg/kg	11.25	8	NA	NA	None, RPD ≤ 50%
Barium	210	1.1	190	1.1	mg/kg	5.5	10	NA	NA	None, RPD ≤ 50%
Cadmium	2.2	0.55	1.9	0.57	mg/kg	2.8	NA	0.3	1.12	None, absolute difference ≤ 2x Avg RL
Chromium	63	1.1	65	1.1	mg/kg	5.5	3	NA	NA	None, RPD ≤ 50%
Lead	330	1.1	340	1.1	mg/kg	5.5	3	NA	NA	None, RPD ≤ 50%
Selenium	1.2	2.7		2.9	mg/kg	14	NA	1.2	5.6	None, absolute difference ≤ 2x Avg RL
Silver	0.47	1.1	0.38	1.1	mg/kg	5.5	NA	0.09	2.2	None, absolute difference ≤ 2x Avg RL
Mercury	0.19	0.020	0.18	0.021	mg/kg	0.1025	5	NA	NA	None, RPD ≤ 50%

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

mg/kg -milligrams per kilogram
J - Estimated value
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

Job ID: 680-88811-5

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88811-5

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 03/29/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.6º C and 3.8º C.

METALS (ICP)

Samples CV1039A-CS (680-88811-22), CV1039A-CSD (680-88811-23), CV1366A-CS (680-88811-27), CV1043B-CS (680-88811-30), CV1042C-CS (680-88811-34), CV1039A-CS (sieve) (680-88811-39), CV1039A-CSD (sieve) (680-88811-40), CV1042C-CS (sieve) (680-88811-41), CV1043B-CS (sieve) (680-88811-42), CV1366A-CS (sieve) (680-88811-43), CV1119B-CS (680-88811-45), CV1131B-CS (680-88811-64), CV1138B-CS (680-88811-74), CV1052B-CS (680-88811-78), CV1131B-CS (sieve) (680-88811-85), CV1138B-CS (sieve) (680-88811-86), CV1052B-CS (sieve) (680-88811-87) and CV1119B-CS (sieve) (680-88811-88) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/01/2013 and analyzed on 04/03/2013.

SEveral analytes recovered outside the recovery criteria for the MS/MSD of sample CV1039A-CS (680-88811-22) in batch 680-271678. Also, Arsenic, Barium and Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1039A-CS (680-88811-22), CV1039A-CSD (680-88811-23), CV1366A-CS (680-88811-27), CV1043B-CS (680-88811-30), CV1042C-CS (680-88811-34), CV1039A-CS (sieve) (680-88811-39), CV1039A-CSD (sieve) (680-88811-40), CV1042C-CS (sieve) (680-88811-41), CV1043B-CS (sieve) (680-88811-42), CV1366A-CS (sieve) (680-88811-43), CV1119B-CS (680-88811-45), CV1131B-CS (680-88811-64), CV1138B-CS (680-88811-74), CV1052B-CS (680-88811-78), CV1131B-CS (sieve) (680-88811-85), CV1138B-CS (sieve) (680-88811-86), CV1052B-CS (sieve) (680-88811-87) and CV1119B-CS (sieve) (680-88811-88) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/29/2013 and 04/02/2013 and analyzed on 03/30/2013 and 04/04/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV1039A-CS (680-88811-22) in batch 680-271466.

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

No other difficulties were encountered during the mercury analyses.

Job ID: 680-88811-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

All other quality control parameters were within the acceptance limits.

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

Client Sample ID: CV1039A-CS

Lab Sample ID: 680-88811-22

Date Collected: 03/27/13 12:40
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 62.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	40	J	3.0	0.87	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Barium	210		1.5	0.44	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Cadmium	2.2		0.74	0.15	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Chromium	88	J	1.5	0.74	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Lead	390		1.5	0.78	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Selenium	1.5	J	3.7	1.5	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Silver	0.22	J	1.5	0.14	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.027	0.011	mg/Kg	☼	03/29/13 12:28	03/30/13 11:52	1

Client Sample ID: CV1039A-CSD

Lab Sample ID: 680-88811-23

Date Collected: 03/27/13 12:40
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 83.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16	J	2.3	0.67	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Barium	160		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Cadmium	2.0		0.57	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Chromium	1100	J	1.1	0.57	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Lead	260		1.1	0.60	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Selenium	4.1		2.9	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Silver	0.51	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	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		0.023	0.0094	mg/Kg	☼	03/29/13 12:28	03/30/13 12:00	1

Client Sample ID: CV1366A-CS

Lab Sample ID: 680-88811-27

Date Collected: 03/27/13 13:10
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 75.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22		2.6	0.77	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Barium	170		1.3	0.39	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Cadmium	2.5		0.65	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Chromium	64		1.3	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Lead	510		1.3	0.69	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Selenium	3.0	J	3.3	1.3	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Silver	0.67	J	1.3	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	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		0.022	0.0092	mg/Kg	☼	03/29/13 12:28	03/30/13 12:02	1

Client Sample ID: CV1043B-CS

Lab Sample ID: 680-88811-30

Date Collected: 03/27/13 14:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 76.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.6	0.76	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Barium	450		1.3	0.39	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Cadmium	2.1		0.64	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Chromium	85		1.3	0.64	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Lead	470		1.3	0.68	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Selenium	3.2	U	3.2	1.3	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Silver	0.23	J	1.3	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	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	0.21		0.025	0.010	mg/Kg	☼	03/29/13 12:28	03/30/13 12:05	1

Client Sample ID: CV1042C-CS

Lab Sample ID: 680-88811-34

Date Collected: 03/27/13 13:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 75.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.5	0.73	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Barium	310		1.2	0.37	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Cadmium	8.2		0.62	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Chromium	90		1.2	0.62	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Lead	390		1.2	0.66	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Selenium	3.3		3.1	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Silver	18		1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	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	0.36		0.023	0.0092	mg/Kg	☼	03/29/13 12:28	03/30/13 12:07	1

Client Sample ID: CV1039A-CS (sieve)

Lab Sample ID: 680-88811-39

Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 82.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Barium	210		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Cadmium	2.2		0.55	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Chromium	63		1.1	0.55	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Lead	330		1.1	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Selenium	1.2	J	2.7	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Silver	0.47	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.020	0.0083	mg/Kg	☼	04/02/13 10:30	04/04/13 12:36	1

Client Sample ID: CV1039A-CSD (sieve)

Lab Sample ID: 680-88811-40

Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 82.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.3	0.68	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Barium	190		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Cadmium	1.9		0.57	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Chromium	65		1.1	0.57	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Lead	340		1.1	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Selenium	2.9	U	2.9	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Silver	0.38	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.021	0.0087	mg/Kg	☼	04/02/13 10:30	04/04/13 11:37	1

Client Sample ID: CV1042C-CS (sieve)

Lab Sample ID: 680-88811-41

Date Collected: 03/27/13 13:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 85.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		2.2	0.66	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Barium	520		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Cadmium	5.3		0.56	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Chromium	73		1.1	0.56	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Lead	1600		1.1	0.59	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Selenium	3.0		2.8	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Silver	1.3		1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.46		0.022	0.0091	mg/Kg	☼	04/02/13 10:30	04/04/13 11:39	1

Client Sample ID: CV1043B-CS (sieve)

Lab Sample ID: 680-88811-42

Date Collected: 03/27/13 14:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 81.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.4	0.72	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Barium	610		1.2	0.37	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Cadmium	2.6		0.61	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Chromium	57		1.2	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Lead	510		1.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Selenium	3.1	U	3.1	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Silver	0.41	J	1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.024	0.010	mg/Kg	☼	04/02/13 10:30	04/04/13 11:42	1

Client Sample ID: CV1366A-CS (sieve)
Date Collected: 03/27/13 13:10
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88811-43
Matrix: Solid
Percent Solids: 77.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		2.6	0.76	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Barium	120		1.3	0.38	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Cadmium	2.5		0.64	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Chromium	62		1.3	0.64	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Lead	760		1.3	0.68	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Selenium	2.2	J	3.2	1.3	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Silver	0.82	J	1.3	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.024	0.0098	mg/Kg	☼	04/02/13 10:30	04/04/13 11:49	1

Client Sample ID: CV1119B-CS
Date Collected: 03/28/13 09:25
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88811-45
Matrix: Solid
Percent Solids: 86.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.2	0.66	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Barium	370		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Cadmium	0.96		0.56	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Chromium	34		1.1	0.56	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Lead	190		1.1	0.59	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Selenium	2.0	J	2.8	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Silver	0.51	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	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	0.29		0.020	0.0081	mg/Kg	☼	03/29/13 12:28	03/30/13 12:10	1

Client Sample ID: CV1131B-CS
Date Collected: 03/28/13 11:07
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88811-64
Matrix: Solid
Percent Solids: 68.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		2.9	0.84	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Barium	250		1.4	0.43	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Cadmium	1.6		0.71	0.14	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Chromium	54		1.4	0.71	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Lead	260		1.4	0.76	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Selenium	1.9	J	3.6	1.4	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Silver	0.15	J	1.4	0.14	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	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	0.26		0.025	0.010	mg/Kg	☼	03/29/13 12:28	03/30/13 12:17	1

Client Sample ID: CV1138B-CS
Date Collected: 03/28/13 13:05
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88811-74
Matrix: Solid
Percent Solids: 84.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		2.3	0.69	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Barium	**360**		1.2	0.35	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Cadmium	**1.1**		0.58	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Chromium	**42**		1.2	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Lead	**280**		1.2	0.62	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Selenium	**1.8**	J	2.9	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	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	**0.28**		0.020	0.0083	mg/Kg	☼	03/29/13 12:28	03/30/13 12:20	1

Client Sample ID: CV1052B-CS
Date Collected: 03/28/13 14:50
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88811-78
Matrix: Solid
Percent Solids: 84.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**		2.4	0.71	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Barium	**280**		1.2	0.36	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Cadmium	**1.7**		0.60	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Chromium	**53**		1.2	0.60	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Lead	**270**		1.2	0.64	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.021	0.0086	mg/Kg	☼	03/29/13 12:28	03/30/13 12:22	1

Client Sample ID: CV1131B-CS (sieve)
Date Collected: 03/28/13 11:07
Date Received: 03/29/13 09:45

Lab Sample ID: 680-88811-85
Matrix: Solid
Percent Solids: 80.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**19**		2.5	0.72	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Barium	**430**		1.2	0.37	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Cadmium	**3.0**		0.61	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Chromium	**53**		1.2	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Lead	**460**		1.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Selenium	**2.9**	J	3.1	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Silver	**0.33**	J	1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**		0.023	0.0094	mg/Kg	☼	04/02/13 10:30	04/04/13 11:52	1

Client Sample ID: CV1138B-CS (sieve)

Lab Sample ID: 680-88811-86

Date Collected: 03/28/13 13:05
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		2.3	0.67	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Barium	**180**		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Cadmium	**0.84**		0.57	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Chromium	**42**		1.1	0.57	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Lead	**690**		1.1	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Selenium	**2.9**		2.9	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	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	**0.27**		0.022	0.0089	mg/Kg	☼	04/02/13 10:30	04/04/13 11:54	1

Client Sample ID: CV1052B-CS (sieve)

Lab Sample ID: 680-88811-87

Date Collected: 03/28/13 14:50
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 80.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**17**		2.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Barium	**250**		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Cadmium	**2.0**		0.55	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Chromium	**49**		1.1	0.55	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Lead	**280**		1.1	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.024	0.0097	mg/Kg	☼	04/02/13 10:30	04/04/13 11:56	1

Client Sample ID: CV1119B-CS (sieve)

Lab Sample ID: 680-88811-88

Date Collected: 03/28/13 09:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 85.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**26**		2.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Barium	**350**		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Cadmium	**1.3**		0.55	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Chromium	**42**		1.1	0.55	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Lead	**280**		1.1	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Selenium	**2.0**	J	2.7	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Silver	**0.25**	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	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	**0.35**		0.022	0.0088	mg/Kg	☼	04/02/13 10:30	04/04/13 11:59	1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-88811-5

SDG Number: 68088811-5

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
4/9/2013 9:07 AM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
04/09/2013

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

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

TestAmerica Laboratories, Inc.
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NELAP ACCREDITED TNI LABORATORY

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88811-5

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 03/29/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.6º C and 3.8º C.

METALS (ICP)

Samples CV1039A-CS (680-88811-22), CV1039A-CSD (680-88811-23), CV1366A-CS (680-88811-27), CV1043B-CS (680-88811-30), CV1042C-CS (680-88811-34), CV1039A-CS (sieve) (680-88811-39), CV1039A-CSD (sieve) (680-88811-40), CV1042C-CS (sieve) (680-88811-41), CV1043B-CS (sieve) (680-88811-42), CV1366A-CS (sieve) (680-88811-43), CV1119B-CS (680-88811-45), CV1131B-CS (680-88811-64), CV1138B-CS (680-88811-74), CV1052B-CS (680-88811-78), CV1131B-CS (sieve) (680-88811-85), CV1138B-CS (sieve) (680-88811-86), CV1052B-CS (sieve) (680-88811-87) and CV1119B-CS (sieve) (680-88811-88) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/01/2013 and analyzed on 04/03/2013.

SEveral analytes recovered outside the recovery criteria for the MS/MSD of sample CV1039A-CS (680-88811-22) in batch 680-271678. Also, Arsenic, Barium and Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1039A-CS (680-88811-22), CV1039A-CSD (680-88811-23), CV1366A-CS (680-88811-27), CV1043B-CS (680-88811-30), CV1042C-CS (680-88811-34), CV1039A-CS (sieve) (680-88811-39), CV1039A-CSD (sieve) (680-88811-40), CV1042C-CS (sieve) (680-88811-41), CV1043B-CS (sieve) (680-88811-42), CV1366A-CS (sieve) (680-88811-43), CV1119B-CS (680-88811-45), CV1131B-CS (680-88811-64), CV1138B-CS (680-88811-74), CV1052B-CS (680-88811-78), CV1131B-CS (sieve) (680-88811-85), CV1138B-CS (sieve) (680-88811-86), CV1052B-CS (sieve) (680-88811-87) and CV1119B-CS (sieve) (680-88811-88) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/29/2013 and 04/02/2013 and analyzed on 03/30/2013 and 04/04/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV1039A-CS (680-88811-22) in batch 680-271466.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88811-22	CV1039A-CS	Solid	03/27/2013 1240	03/29/2013 0945
680-88811-22MS	CV1039A-CS	Solid	03/27/2013 1240	03/29/2013 0945
680-88811-22MSD	CV1039A-CS	Solid	03/27/2013 1240	03/29/2013 0945
680-88811-23	CV1039A-CSD	Solid	03/27/2013 1240	03/29/2013 0945
680-88811-27	CV1366A-CS	Solid	03/27/2013 1310	03/29/2013 0945
680-88811-30	CV1043B-CS	Solid	03/27/2013 1425	03/29/2013 0945
680-88811-34	CV1042C-CS	Solid	03/27/2013 1325	03/29/2013 0945
680-88811-39	CV1039A-CS (sieve)	Solid	03/27/2013 1240	03/29/2013 0945
680-88811-40	CV1039A-CSD (sieve)	Solid	03/27/2013 1240	03/29/2013 0945
680-88811-41	CV1042C-CS (sieve)	Solid	03/27/2013 1325	03/29/2013 0945
680-88811-42	CV1043B-CS (sieve)	Solid	03/27/2013 1425	03/29/2013 0945
680-88811-43	CV1366A-CS (sieve)	Solid	03/27/2013 1310	03/29/2013 0945
680-88811-45	CV1119B-CS	Solid	03/28/2013 0925	03/29/2013 0945
680-88811-64	CV1131B-CS	Solid	03/28/2013 1107	03/29/2013 0945
680-88811-74	CV1138B-CS	Solid	03/28/2013 1305	03/29/2013 0945
680-88811-78	CV1052B-CS	Solid	03/28/2013 1450	03/29/2013 0945
680-88811-85	CV1131B-CS (sieve)	Solid	03/28/2013 1107	03/29/2013 0945
680-88811-86	CV1138B-CS (sieve)	Solid	03/28/2013 1305	03/29/2013 0945
680-88811-87	CV1052B-CS (sieve)	Solid	03/28/2013 1450	03/29/2013 0945
680-88811-88	CV1119B-CS (sieve)	Solid	03/28/2013 0925	03/29/2013 0945

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

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

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

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

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

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

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-271209					
LCS 680-271209/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-271209/1-A	Method Blank	T	Solid	7471B	
680-88811-22	CV1039A-CS	T	Solid	7471B	
680-88811-22MS	Matrix Spike	T	Solid	7471B	
680-88811-22MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-88811-23	CV1039A-CSD	T	Solid	7471B	
680-88811-27	CV1366A-CS	T	Solid	7471B	
680-88811-30	CV1043B-CS	T	Solid	7471B	
680-88811-34	CV1042C-CS	T	Solid	7471B	
680-88811-45	CV1119B-CS	T	Solid	7471B	
680-88811-64	CV1131B-CS	T	Solid	7471B	
680-88811-74	CV1138B-CS	T	Solid	7471B	
680-88811-78	CV1052B-CS	T	Solid	7471B	
Prep Batch: 680-271368					
LCS 680-271368/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-271368/1-A	Method Blank	T	Solid	3050B	
680-88811-22	CV1039A-CS	T	Solid	3050B	
680-88811-22MS	Matrix Spike	T	Solid	3050B	
680-88811-22MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-88811-23	CV1039A-CSD	T	Solid	3050B	
680-88811-27	CV1366A-CS	T	Solid	3050B	
680-88811-30	CV1043B-CS	T	Solid	3050B	
680-88811-34	CV1042C-CS	T	Solid	3050B	
680-88811-39	CV1039A-CS (sieve)	T	Solid	3050B	
680-88811-40	CV1039A-CSD (sieve)	T	Solid	3050B	
680-88811-41	CV1042C-CS (sieve)	T	Solid	3050B	
680-88811-42	CV1043B-CS (sieve)	T	Solid	3050B	
680-88811-43	CV1366A-CS (sieve)	T	Solid	3050B	
680-88811-45	CV1119B-CS	T	Solid	3050B	
680-88811-64	CV1131B-CS	T	Solid	3050B	
680-88811-74	CV1138B-CS	T	Solid	3050B	
680-88811-78	CV1052B-CS	T	Solid	3050B	
680-88811-85	CV1131B-CS (sieve)	T	Solid	3050B	
680-88811-86	CV1138B-CS (sieve)	T	Solid	3050B	
680-88811-87	CV1052B-CS (sieve)	T	Solid	3050B	
680-88811-88	CV1119B-CS (sieve)	T	Solid	3050B	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-271466					
LCS 680-271209/2-A	Lab Control Sample	T	Solid	7471B	680-271209
MB 680-271209/1-A	Method Blank	T	Solid	7471B	680-271209
680-88811-22	CV1039A-CS	T	Solid	7471B	680-271209
680-88811-22MS	Matrix Spike	T	Solid	7471B	680-271209
680-88811-22MSD	Matrix Spike Duplicate	T	Solid	7471B	680-271209
680-88811-23	CV1039A-CSD	T	Solid	7471B	680-271209
680-88811-27	CV1366A-CS	T	Solid	7471B	680-271209
680-88811-30	CV1043B-CS	T	Solid	7471B	680-271209
680-88811-34	CV1042C-CS	T	Solid	7471B	680-271209
680-88811-45	CV1119B-CS	T	Solid	7471B	680-271209
680-88811-64	CV1131B-CS	T	Solid	7471B	680-271209
680-88811-74	CV1138B-CS	T	Solid	7471B	680-271209
680-88811-78	CV1052B-CS	T	Solid	7471B	680-271209
Prep Batch: 680-271529					
LCS 680-271529/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-271529/1-A	Method Blank	T	Solid	7471B	
680-88811-39	CV1039A-CS (sieve)	T	Solid	7471B	
680-88811-39MS	Matrix Spike	T	Solid	7471B	
680-88811-39MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-88811-40	CV1039A-CSD (sieve)	T	Solid	7471B	
680-88811-41	CV1042C-CS (sieve)	T	Solid	7471B	
680-88811-42	CV1043B-CS (sieve)	T	Solid	7471B	
680-88811-43	CV1366A-CS (sieve)	T	Solid	7471B	
680-88811-85	CV1131B-CS (sieve)	T	Solid	7471B	
680-88811-86	CV1138B-CS (sieve)	T	Solid	7471B	
680-88811-87	CV1052B-CS (sieve)	T	Solid	7471B	
680-88811-88	CV1119B-CS (sieve)	T	Solid	7471B	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-271678					
LCS 680-271368/3-A	Lab Control Sample	T	Solid	6010C	680-271368
MB 680-271368/1-A	Method Blank	T	Solid	6010C	680-271368
680-88811-22	CV1039A-CS	T	Solid	6010C	680-271368
680-88811-22MS	Matrix Spike	T	Solid	6010C	680-271368
680-88811-22MSD	Matrix Spike Duplicate	T	Solid	6010C	680-271368
680-88811-23	CV1039A-CSD	T	Solid	6010C	680-271368
680-88811-27	CV1366A-CS	T	Solid	6010C	680-271368
680-88811-30	CV1043B-CS	T	Solid	6010C	680-271368
680-88811-34	CV1042C-CS	T	Solid	6010C	680-271368
680-88811-39	CV1039A-CS (sieve)	T	Solid	6010C	680-271368
680-88811-40	CV1039A-CSD (sieve)	T	Solid	6010C	680-271368
680-88811-41	CV1042C-CS (sieve)	T	Solid	6010C	680-271368
680-88811-42	CV1043B-CS (sieve)	T	Solid	6010C	680-271368
680-88811-43	CV1366A-CS (sieve)	T	Solid	6010C	680-271368
680-88811-45	CV1119B-CS	T	Solid	6010C	680-271368
680-88811-64	CV1131B-CS	T	Solid	6010C	680-271368
680-88811-74	CV1138B-CS	T	Solid	6010C	680-271368
680-88811-78	CV1052B-CS	T	Solid	6010C	680-271368
680-88811-85	CV1131B-CS (sieve)	T	Solid	6010C	680-271368
680-88811-86	CV1138B-CS (sieve)	T	Solid	6010C	680-271368
680-88811-87	CV1052B-CS (sieve)	T	Solid	6010C	680-271368
680-88811-88	CV1119B-CS (sieve)	T	Solid	6010C	680-271368
Analysis Batch:680-271931					
LCS 680-271529/2-A	Lab Control Sample	T	Solid	7471B	680-271529
MB 680-271529/1-A	Method Blank	T	Solid	7471B	680-271529
680-88811-39	CV1039A-CS (sieve)	T	Solid	7471B	680-271529
680-88811-39MS	Matrix Spike	T	Solid	7471B	680-271529
680-88811-39MSD	Matrix Spike Duplicate	T	Solid	7471B	680-271529
680-88811-40	CV1039A-CSD (sieve)	T	Solid	7471B	680-271529
680-88811-41	CV1042C-CS (sieve)	T	Solid	7471B	680-271529
680-88811-42	CV1043B-CS (sieve)	T	Solid	7471B	680-271529
680-88811-43	CV1366A-CS (sieve)	T	Solid	7471B	680-271529
680-88811-85	CV1131B-CS (sieve)	T	Solid	7471B	680-271529
680-88811-86	CV1138B-CS (sieve)	T	Solid	7471B	680-271529
680-88811-87	CV1052B-CS (sieve)	T	Solid	7471B	680-271529
680-88811-88	CV1119B-CS (sieve)	T	Solid	7471B	680-271529

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
Sdg Number: 68088811-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-135961					
680-88811-22	CV1039A-CS	T	Solid	Moisture	
680-88811-22MS	Matrix Spike	T	Solid	Moisture	
680-88811-22MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:660-135964					
680-88811-23	CV1039A-CSD	T	Solid	Moisture	
680-88811-30	CV1043B-CS	T	Solid	Moisture	
680-88811-34	CV1042C-CS	T	Solid	Moisture	
680-88811-A-44 MS	Matrix Spike	T	Solid	Moisture	
680-88811-A-44 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88811-45	CV1119B-CS	T	Solid	Moisture	
680-88811-A-62 MS	Matrix Spike	T	Solid	Moisture	
680-88811-A-62 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88811-64	CV1131B-CS	T	Solid	Moisture	
680-88811-74	CV1138B-CS	T	Solid	Moisture	
Analysis Batch:660-135977					
680-88811-27	CV1366A-CS	T	Solid	Moisture	
680-88811-78	CV1052B-CS	T	Solid	Moisture	
Analysis Batch:680-271244					
680-88811-39	CV1039A-CS (sieve)	T	Solid	Moisture	
680-88811-40	CV1039A-CSD (sieve)	T	Solid	Moisture	
680-88811-41	CV1042C-CS (sieve)	T	Solid	Moisture	
680-88811-42	CV1043B-CS (sieve)	T	Solid	Moisture	
680-88811-43	CV1366A-CS (sieve)	T	Solid	Moisture	
680-88811-85	CV1131B-CS (sieve)	T	Solid	Moisture	
680-88811-86	CV1138B-CS (sieve)	T	Solid	Moisture	
680-88811-87	CV1052B-CS (sieve)	T	Solid	Moisture	
680-88811-88	CV1119B-CS (sieve)	T	Solid	Moisture	

Report Basis
T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88811-5

SDG No.: 68088811-5

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV1039A-CS	680-88811-22
CV1039A-CSD	680-88811-23
CV1366A-CS	680-88811-27
CV1043B-CS	680-88811-30
CV1042C-CS	680-88811-34
CV1039A-CS (sieve)	680-88811-39
CV1039A-CSD (sieve)	680-88811-40
CV1042C-CS (sieve)	680-88811-41
CV1043B-CS (sieve)	680-88811-42
CV1366A-CS (sieve)	680-88811-43
CV1119B-CS	680-88811-45
CV1131B-CS	680-88811-64
CV1138B-CS	680-88811-74
CV1052B-CS	680-88811-78
CV1131B-CS (sieve)	680-88811-85
CV1138B-CS (sieve)	680-88811-86
CV1052B-CS (sieve)	680-88811-87
CV1119B-CS (sieve)	680-88811-88

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1039A-CS
Lab Sample ID: 680-88811-22
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 12:40
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 62.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	40	3.0	0.87	mg/Kg			1	6010C
7440-39-3	Barium	210	1.5	0.44	mg/Kg			1	6010C
7440-43-9	Cadmium	2.2	0.74	0.15	mg/Kg			1	6010C
7440-47-3	Chromium	88	1.5	0.74	mg/Kg			1	6010C
7439-92-1	Lead	390	1.5	0.78	mg/Kg			1	6010C
7782-49-2	Selenium	1.5	3.7	1.5	mg/Kg	J		1	6010C
7440-22-4	Silver	0.22	1.5	0.14	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.27	0.027	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1039A-CSD
Lab Sample ID: 680-88811-23
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 12:40
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 83.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	16	2.3	0.67	mg/Kg			1	6010C
7440-39-3	Barium	160	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	2.0	0.57	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	1100	1.1	0.57	mg/Kg			1	6010C
7439-92-1	Lead	260	1.1	0.60	mg/Kg			1	6010C
7782-49-2	Selenium	4.1	2.9	1.1	mg/Kg			1	6010C
7440-22-4	Silver	0.51	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.18	0.023	0.0094	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1366A-CS
Lab Sample ID: 680-88811-27
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 13:10
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 75.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	22	2.6	0.77	mg/Kg			1	6010C
7440-39-3	Barium	170	1.3	0.39	mg/Kg			1	6010C
7440-43-9	Cadmium	2.5	0.65	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	64	1.3	0.65	mg/Kg			1	6010C
7439-92-1	Lead	510	1.3	0.69	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.3	1.3	mg/Kg	J		1	6010C
7440-22-4	Silver	0.67	1.3	0.13	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.13	0.022	0.0092	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1043B-CS
Lab Sample ID: 680-88811-30
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 14:25
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 76.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	24	2.6	0.76	mg/Kg			1	6010C
7440-39-3	Barium	450	1.3	0.39	mg/Kg			1	6010C
7440-43-9	Cadmium	2.1	0.64	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	85	1.3	0.64	mg/Kg			1	6010C
7439-92-1	Lead	470	1.3	0.68	mg/Kg			1	6010C
7782-49-2	Selenium	3.2	3.2	1.3	mg/Kg	U		1	6010C
7440-22-4	Silver	0.23	1.3	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.21	0.025	0.010	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1042C-CS
Lab Sample ID: 680-88811-34
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 13:25
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 75.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.5	0.73	mg/Kg			1	6010C
7440-39-3	Barium	310	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	8.2	0.62	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	90	1.2	0.62	mg/Kg			1	6010C
7439-92-1	Lead	390	1.2	0.66	mg/Kg			1	6010C
7782-49-2	Selenium	3.3	3.1	1.2	mg/Kg			1	6010C
7440-22-4	Silver	18	1.2	0.12	mg/Kg			1	6010C
7439-97-6	Mercury	0.36	0.023	0.0092	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1039A-CS (sieve) Lab Sample ID: 680-88811-39

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG ID.: 68088811-5

Matrix: Solid Date Sampled: 03/27/2013 12:40

Reporting Basis: DRY Date Received: 03/29/2013 09:45

% Solids: 82.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.2	0.65	mg/Kg			1	6010C
7440-39-3	Barium	210	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	2.2	0.55	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	63	1.1	0.55	mg/Kg			1	6010C
7439-92-1	Lead	330	1.1	0.58	mg/Kg			1	6010C
7782-49-2	Selenium	1.2	2.7	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	0.47	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.19	0.020	0.0083	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1039A-CSD (sieve) Lab Sample ID: 680-88811-40

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG ID.: 68088811-5

Matrix: Solid Date Sampled: 03/27/2013 12:40

Reporting Basis: DRY Date Received: 03/29/2013 09:45

% Solids: 82.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	24	2.3	0.68	mg/Kg			1	6010C
7440-39-3	Barium	190	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	1.9	0.57	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	65	1.1	0.57	mg/Kg			1	6010C
7439-92-1	Lead	340	1.1	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	0.38	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.18	0.021	0.0087	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1042C-CS (sieve)
Lab Sample ID: 680-88811-41
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 13:25
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 85.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	30	2.2	0.66	mg/Kg			1	6010C
7440-39-3	Barium	520	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	5.3	0.56	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	73	1.1	0.56	mg/Kg			1	6010C
7439-92-1	Lead	1600	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	2.8	1.1	mg/Kg			1	6010C
7440-22-4	Silver	1.3	1.1	0.11	mg/Kg			1	6010C
7439-97-6	Mercury	0.46	0.022	0.0091	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1043B-CS (sieve)
Lab Sample ID: 680-88811-42
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 14:25
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	24	2.4	0.72	mg/Kg			1	6010C
7440-39-3	Barium	610	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	2.6	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	57	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	510	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	3.1	3.1	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.41	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.55	0.024	0.010	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1366A-CS (sieve)
Lab Sample ID: 680-88811-43
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/27/2013 13:10
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 77.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	14	2.6	0.76	mg/Kg			1	6010C
7440-39-3	Barium	120	1.3	0.38	mg/Kg			1	6010C
7440-43-9	Cadmium	2.5	0.64	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	62	1.3	0.64	mg/Kg			1	6010C
7439-92-1	Lead	760	1.3	0.68	mg/Kg			1	6010C
7782-49-2	Selenium	2.2	3.2	1.3	mg/Kg	J		1	6010C
7440-22-4	Silver	0.82	1.3	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.12	0.024	0.0098	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1119B-CS
Lab Sample ID: 680-88811-45
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 09:25
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 86.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	2.2	0.66	mg/Kg			1	6010C
7440-39-3	Barium	370	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	0.96	0.56	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	34	1.1	0.56	mg/Kg			1	6010C
7439-92-1	Lead	190	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	2.0	2.8	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	0.51	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.29	0.020	0.0081	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1131B-CS
Lab Sample ID: 680-88811-64
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 11:07
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 68.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	18	2.9	0.84	mg/Kg			1	6010C
7440-39-3	Barium	250	1.4	0.43	mg/Kg			1	6010C
7440-43-9	Cadmium	1.6	0.71	0.14	mg/Kg			1	6010C
7440-47-3	Chromium	54	1.4	0.71	mg/Kg			1	6010C
7439-92-1	Lead	260	1.4	0.76	mg/Kg			1	6010C
7782-49-2	Selenium	1.9	3.6	1.4	mg/Kg	J		1	6010C
7440-22-4	Silver	0.15	1.4	0.14	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.26	0.025	0.010	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1138B-CS
Lab Sample ID: 680-88811-74
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 13:05
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 84.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	14	2.3	0.69	mg/Kg			1	6010C
7440-39-3	Barium	360	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	1.1	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	42	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	280	1.2	0.62	mg/Kg			1	6010C
7782-49-2	Selenium	1.8	2.9	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.28	0.020	0.0083	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1052B-CS
Lab Sample ID: 680-88811-78
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 14:50
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	16	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	280	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	1.7	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	53	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	270	1.2	0.64	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.25	0.021	0.0086	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1131B-CS (sieve)
Lab Sample ID: 680-88811-85
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 11:07
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 80.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	19	2.5	0.72	mg/Kg			1	6010C
7440-39-3	Barium	430	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	3.0	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	53	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	460	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	3.1	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	0.33	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.37	0.023	0.0094	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1138B-CS (sieve)
Lab Sample ID: 680-88811-86
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 13:05
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	12	2.3	0.67	mg/Kg			1	6010C
7440-39-3	Barium	180	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	0.84	0.57	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	42	1.1	0.57	mg/Kg			1	6010C
7439-92-1	Lead	690	1.1	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.1	mg/Kg			1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.27	0.022	0.0089	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1052B-CS (sieve)
Lab Sample ID: 680-88811-87
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 14:50
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17	2.2	0.65	mg/Kg			1	6010C
7440-39-3	Barium	250	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	2.0	0.55	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	49	1.1	0.55	mg/Kg			1	6010C
7439-92-1	Lead	280	1.1	0.58	mg/Kg			1	6010C
7782-49-2	Selenium	2.8	2.8	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.28	0.024	0.0097	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1119B-CS (sieve)
Lab Sample ID: 680-88811-88
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG ID.: 68088811-5
Matrix: Solid
Date Sampled: 03/28/2013 09:25
Reporting Basis: DRY
Date Received: 03/29/2013 09:45
% Solids: 85.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.2	0.65	mg/Kg			1	6010C
7440-39-3	Barium	350	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	1.3	0.55	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	42	1.1	0.55	mg/Kg			1	6010C
7439-92-1	Lead	280	1.1	0.58	mg/Kg			1	6010C
7782-49-2	Selenium	2.0	2.7	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	0.25	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.35	0.022	0.0088	mg/Kg			1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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 680-271678/130 04/03/2013 01:46				CCV 680-271678/142 04/03/2013 02:52			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1020		1000	102	475		500	95	488		500	98
Barium	1040		1000	104	4820		5000	96	4870		5000	97
Cadmium	1040		1000	104	474		500	95	479		500	96
Chromium	1030		1000	103	4850		5000	97	4900		5000	98
Lead	1020		1000	102	490		500	98	495		500	99
Selenium	986		1000	99	4760		5000	95	4790		5000	96
Silver	976		1000	98	492		500	98	495		500	99

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

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	CCV 680-271678/154 04/03/2013 03:57				CCV 680-271678/166 04/03/2013 05:03				CCV 680-271678/174 04/03/2013 05:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	485		500	97	478		500	96	482		500	96
Barium	4880		5000	98	4810		5000	96	4830		5000	97
Cadmium	478		500	96	471		500	94	473		500	95
Chromium	4890		5000	98	4820		5000	96	4850		5000	97
Lead	495		500	99	490		500	98	487		500	97
Selenium	4790		5000	96	4700		5000	94	4710		5000	94
Silver	496		500	99	486		500	97	491		500	98

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

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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 03/30/2013 11:43				CCV 680-271158/31-A 03/30/2013 12:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.05		3.00	102	2.52		2.50	101	2.56		2.50	102

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	CCV 680-271158/31-A 03/30/2013 12:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.58		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.

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	ICV 680-271529/39-A 04/04/2013 10:09				CCV 680-271529/36-A 04/04/2013 10:45				CCV 680-271529/36-A 04/04/2013 11:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.19		3.00	106	2.65		2.50	106	2.75		2.50	110

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

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	CCV 680-271529/36-A 04/04/2013 11:44				CCV 680-271529/36-A 04/04/2013 12:09				CCV 680-271529/36-A 04/04/2013 12:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.79		2.50	112	2.80		2.50	112	2.77		2.50	111

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.: 680-88811-5

SDG No.: 68088811-5

ICV Source: hg_icvint_00084 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00090

Analyte	CCV 680-271529/36-A 04/04/2013 12:44											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.72		2.50	109								

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.: 680-88811-5

SDG No.: 68088811-5

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.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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

Lab Sample ID: CRA 680-271529/41-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	0.219		110	50-150

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271678/5 04/02/2013 13:39		CCB 680-271678/131 04/03/2013 01:51		CCB 680-271678/143 04/03/2013 02:57		CCB 680-271678/155 04/03/2013 04:03	
		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.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: ug/L

Analyte	RL	CCB 680-271678/167 04/03/2013 05:09		CCB 680-271678/175 04/03/2013 05:52					
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U				
Barium	10	10	U	10	U				
Cadmium	5.0	5.0	U	5.0	U				
Chromium	10	10	U	10	U				
Lead	10	10	U	10	U				
Selenium	25	25	U	25	U				
Silver	10	10	U	10	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: ug/L

Analyte	RL	ICB 680-271158/35-A 03/29/2013 16:04		CCB 680-271158/32-A 03/30/2013 11:45		CCB 680-271158/32-A 03/30/2013 12:15		CCB 680-271158/32-A 03/30/2013 12:27	
		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.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: ug/L

Analyte	RL	ICB 680-271529/40-A 04/04/2013 10:11		CCB 680-271529/37-A 04/04/2013 10:48		CCB 680-271529/37-A 04/04/2013 11:17		CCB 680-271529/37-A 04/04/2013 11:47	
		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.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: ug/L

Analyte	RL	CCB 680-271529/37-A 04/04/2013 12:11		CCB 680-271529/37-A 04/04/2013 12:29		CCB 680-271529/37-A 04/04/2013 12:46			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: mg/Kg Lab Sample ID: MB 680-271368/1-A

Instrument Code: ICPF Batch No.: 271678

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: mg/Kg Lab Sample ID: MB 680-271209/1-A

Instrument Code: LEEMAN2 Batch No.: 271466

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Concentration Units: mg/Kg Lab Sample ID: MB 680-271529/1-A

Instrument Code: LEEMAN2 Batch No.: 271931

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.018	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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**	
Aluminum	*500000*	*558455*	*112*
Antimony		*-2.57*	
Beryllium		*-0.252*	
Boron		*11.4*	
Calcium	*500000*	*511641*	*102*
Cobalt		*0.137*	
Copper		*4.24*	
Iron	*200000*	*195203*	*98*
Magnesium	*500000*	*543808*	*109*
Manganese		*-1.03*	
Molybdenum		*-2.86*	
Nickel		*3.64*	
Potassium		*-33.8*	
Sodium		*135*	
Strontium		*-3.82*	
Thallium		*-9.85*	
Tin		*-0.522*	
Titanium		*5.70*	
Vanadium		*0.0066*	
Zinc		*6.12*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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 Solution AB	Found Solution AB	Found Percent Recovery
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**
Aluminum	*500000*	*568502*	*114*
Antimony	*600*	*615*	*103*
Beryllium	*500*	*521*	*104*
Boron		*11.4*	
Calcium	*500000*	*518620*	*104*
Cobalt	*500*	*507*	*101*
Copper	*500*	*573*	*115*
Iron	*200000*	*198006*	*99*
Magnesium	*500000*	*556104*	*111*
Manganese	*500*	*532*	*106*
Molybdenum	*1000*	*1100*	*110*
Nickel	*1000*	*998*	*100*
Potassium		*-33.6*	
Sodium		*273*	
Strontium		*-4.34*	
Thallium	*100*	*81.2*	*81*
Tin	*1000*	*1041*	*104*
Titanium		*-0.662*	
Vanadium	*500*	*509*	*102*
Zinc	*1000*	*988*	*99*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1039A-CS MS
Lab ID: 680-88811-22 MS
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG No.: 68088811-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 62.7

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	59.0		40		14.8	131	75-125	F	6010C
Barium	217		210		14.8	34	75-125	4	6010C
Cadmium	9.41		2.2		7.38	97	75-125		6010C
Chromium	107		88		14.8	131	75-125	4	6010C
Lead	450		390		7.38	834	75-125	4	6010C
Selenium	18.0		1.5	J	14.8	111	75-125		6010C
Silver	4.87		0.22	J	7.38	63	75-125	F	6010C
Mercury	0.387		0.27		0.142	80	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.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1039A-CS (sieve) MS
Lab ID: 680-88811-39 MS
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG No.: 68088811-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 82.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.294		0.19		0.115	88	80-120		7471B

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV1039A-CS MSD
Lab ID: 680-88811-22 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG No.: 68088811-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 62.7

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	43.1		15.0	23	75-125	31	20	F	6010C
Barium	278		15.0	441	75-125	25	20	4 F	6010C
Cadmium	10.1		7.52	104	75-125	7	20		6010C
Chromium	75.1		15.0	-86	75-125	35	20	4 F	6010C
Lead	469		7.52	1058	75-125	4	20	4	6010C
Selenium	17.0		15.0	103	75-125	5	20		6010C
Silver	4.95		7.52	63	75-125	2	20	F	6010C
Mercury	0.352		0.148	53	80-120	9	20	F	7471B

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV1039A-CS (sieve) MSD
Lab ID: 680-88811-39 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-88811-5
SDG No.: 68088811-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 82.2

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.319		0.111	114	80-120	8	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.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1039A-CS PDS | Lab ID: 680-88811-22 PDS

Lab Name: TestAmerica Savannah | Job No.: 680-88811-5

SDG No.: 68088811-5

Matrix: Solid | Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	330		40		295	98	75-125		6010C
Barium	497		210		295	97	75-125		6010C
Cadmium	8.95		2.2		7.38	91	75-125		6010C
Chromium	114		88		29.5	89	75-125		6010C
Lead	447		390		73.8	78	75-125		6010C
Selenium	285		1.5	J	295	96	75-125		6010C
Silver	7.42		0.22	J	7.38	98	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.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-271368/3-A

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

Sample Matrix: Solid LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.6	20.0		102	75	125		6010C
Barium	19.6	19.4		99	75	125		6010C
Cadmium	19.6	19.9		101	75	125		6010C
Chromium	19.6	20.5		105	75	125		6010C
Lead	19.6	19.0		97	75	125		6010C
Selenium	19.6	18.7		95	75	125		6010C
Silver	19.6	19.9		102	75	125		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-271209/2-A

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00090

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.227	0.233		102	80	120		7471B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-271529/2-A

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00090

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.236	0.254		108	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: 680-88811-22

SDG No: 68088811-5

Lab Name: TestAmerica Savannah Job No: 680-88811-5

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	40		40.0		NC		6010C
Barium	210		220		3.5		6010C
Cadmium	2.2		1.48	J	NC		6010C
Chromium	88		90.8		3.1		6010C
Lead	390		412		6.0		6010C
Selenium	1.5	J	18	U	NC		6010C
Silver	0.22	J	0.760	J	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: 680-88811-5

SDG Number: 68088811-5

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: 680-88811-5

SDG Number: 68088811-5

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: 680-88811-5

SDG Number: 68088811-5

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: 680-88811-5

SDG Number: 68088811-5

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: 680-88811-5

SDG No.: 68088811-5

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: 680-88811-5

SDG No.: 68088811-5

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: 680-88811-5

SDG No.: 68088811-5

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.: 680-88811-5

SDG No.: 68088811-5

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271368/1-A	04/01/2013 10:00	271368	1.02		100
LCS 680-271368/3-A	04/01/2013 10:00	271368	1.02		100
680-88811-22	04/01/2013 10:00	271368	1.08		100
680-88811-22 MS	04/01/2013 10:00	271368	1.08		100
680-88811-22 MSD	04/01/2013 10:00	271368	1.06		100
680-88811-23	04/01/2013 10:00	271368	1.05		100
680-88811-27	04/01/2013 10:00	271368	1.01		100
680-88811-30	04/01/2013 10:00	271368	1.02		100
680-88811-34	04/01/2013 10:00	271368	1.07		100
680-88811-39	04/01/2013 10:00	271368	1.11		100
680-88811-40	04/01/2013 10:00	271368	1.06		100
680-88811-41	04/01/2013 10:00	271368	1.05		100
680-88811-42	04/01/2013 10:00	271368	1.00		100
680-88811-43	04/01/2013 10:00	271368	1.01		100
680-88811-45	04/01/2013 10:00	271368	1.04		100
680-88811-64	04/01/2013 10:00	271368	1.03		100
680-88811-74	04/01/2013 10:00	271368	1.02		100
680-88811-78	04/01/2013 10:00	271368	0.99		100
680-88811-85	04/01/2013 10:00	271368	1.01		100
680-88811-86	04/01/2013 10:00	271368	1.03		100
680-88811-87	04/01/2013 10:00	271368	1.12		100
680-88811-88	04/01/2013 10:00	271368	1.06		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271209/1-A	03/29/2013 12:28	271209	0.53		50
LCS 680-271209/2-A	03/29/2013 12:28	271209	0.55		50
680-88811-22	03/29/2013 12:28	271209	0.59		50
680-88811-22 MS	03/29/2013 12:28	271209	0.56		50
680-88811-22 MSD	03/29/2013 12:28	271209	0.54		50
680-88811-23	03/29/2013 12:28	271209	0.52		50
680-88811-27	03/29/2013 12:28	271209	0.59		50
680-88811-30	03/29/2013 12:28	271209	0.52		50
680-88811-34	03/29/2013 12:28	271209	0.59		50
680-88811-45	03/29/2013 12:28	271209	0.59		50
680-88811-64	03/29/2013 12:28	271209	0.59		50
680-88811-74	03/29/2013 12:28	271209	0.59		50
680-88811-78	03/29/2013 12:28	271209	0.57		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271529/1-A	04/02/2013 10:30	271529	0.55		50
LCS 680-271529/2-A	04/02/2013 10:30	271529	0.53		50
680-88811-39	04/02/2013 10:30	271529	0.60		50
680-88811-39 MS	04/02/2013 10:30	271529	0.53		50
680-88811-39 MSD	04/02/2013 10:30	271529	0.55		50
680-88811-40	04/02/2013 10:30	271529	0.57		50
680-88811-41	04/02/2013 10:30	271529	0.53		50
680-88811-42	04/02/2013 10:30	271529	0.50		50
680-88811-43	04/02/2013 10:30	271529	0.54		50
680-88811-85	04/02/2013 10:30	271529	0.54		50
680-88811-86	04/02/2013 10:30	271529	0.54		50
680-88811-87	04/02/2013 10:30	271529	0.52		50
680-88811-88	04/02/2013 10:30	271529	0.54		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			13:18																				
ZZZZZZ			13:23																				
ZZZZZZ			13:29																				
ICV 680-271678/4	1		13:34	X	X	X	X	X	X	X													
ICBIS 680-271678/5	1		13:39	X	X	X	X	X	X	X													
CRI 680-271678/6	1		13:52	X	X	X	X	X	X	X													
ICSA 680-271678/7	1		13:57	X	X	X	X	X	X	X													
ICSAB 680-271678/8	1		14:03	X	X	X	X	X	X	X													
ZZZZZZ			14:08																				
ZZZZZZ			14:14																				
ZZZZZZ			14:19																				
CCV 680-271678/12			14:25																				
CCB 680-271678/13			14:30																				
CCV 680-271678/14			15:11																				
CCB 680-271678/15			15:16																				
ZZZZZZ			15:22																				
ZZZZZZ			15:27																				
ZZZZZZ			15:33																				
ZZZZZZ			15:38																				
ZZZZZZ			15:43																				
ZZZZZZ			15:49																				
ZZZZZZ			15:54																				
ZZZZZZ			16:00																				
ZZZZZZ			16:05																				
ZZZZZZ			16:11																				
CCV 680-271678/26			16:16																				
CCB 680-271678/27			16:22																				
ZZZZZZ			16:27																				
ZZZZZZ			16:32																				
ZZZZZZ			16:38																				
ZZZZZZ			16:43																				
ZZZZZZ			16:49																				
ZZZZZZ			16:54																				
ZZZZZZ			17:00																				
ZZZZZZ			17:05																				
ZZZZZZ			17:11																				
ZZZZZZ			17:16																				
CCV 680-271678/38			17:21																				
CCB 680-271678/39			17:27																				
ZZZZZZ			17:32																				
ZZZZZZ			17:38																				
ZZZZZZ			17:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			17:49																				
ZZZZZZ			17:55																				
ZZZZZZ			18:01																				
CCV 680-271678/46			18:06																				
CCB 680-271678/47			18:12																				
ZZZZZZ			18:17																				
ZZZZZZ			18:22																				
ZZZZZZ			18:28																				
ZZZZZZ			18:33																				
ZZZZZZ			18:39																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:57																				
ZZZZZZ			19:02																				
ZZZZZZ			19:07																				
CCV 680-271678/58			19:13																				
CCB 680-271678/59			19:18																				
ZZZZZZ			19:24																				
ZZZZZZ			19:29																				
ZZZZZZ			19:35																				
ZZZZZZ			19:40																				
ZZZZZZ			19:46																				
ZZZZZZ			19:51																				
ZZZZZZ			19:56																				
ZZZZZZ			20:02																				
ZZZZZZ			20:07																				
ZZZZZZ			20:13																				
CCV 680-271678/70			20:18																				
CCB 680-271678/71			20:24																				
ZZZZZZ			20:29																				
ZZZZZZ			20:35																				
ZZZZZZ			20:40																				
ZZZZZZ			20:46																				
ZZZZZZ			20:51																				
ZZZZZZ			20:56																				
ZZZZZZ			21:02																				
ZZZZZZ			21:07																				
ZZZZZZ			21:13																				
ZZZZZZ			21:18																				
CCV 680-271678/82			21:24																				
CCB 680-271678/83			21:29																				
ZZZZZZ			21:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			21:40																				
ZZZZZZ			21:46																				
ZZZZZZ			21:51																				
ZZZZZZ			21:56																				
ZZZZZZ			22:02																				
ZZZZZZ			22:07																				
ZZZZZZ			22:13																				
ZZZZZZ			22:18																				
ZZZZZZ			22:24																				
CCV 680-271678/94			22:29																				
CCB 680-271678/95			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:46																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:02																				
ZZZZZZ			23:07																				
ZZZZZZ			23:13																				
ZZZZZZ			23:18																				
ZZZZZZ			23:24																				
ZZZZZZ			23:29																				
CCV 680-271678/106			23:35																				
CCB 680-271678/107			23:40																				
ZZZZZZ			23:46																				
ZZZZZZ			23:51																				
ZZZZZZ			23:57																				
ZZZZZZ			00:02																				
ZZZZZZ			00:07																				
ZZZZZZ			00:13																				
ZZZZZZ			00:18																				
ZZZZZZ			00:24																				
ZZZZZZ			00:29																				
ZZZZZZ			00:35																				
CCV 680-271678/118			00:40																				
CCB 680-271678/119			00:46																				
ZZZZZZ			00:51																				
ZZZZZZ			00:57																				
ZZZZZZ			01:02																				
ZZZZZZ			01:08																				
ZZZZZZ			01:13																				
ZZZZZZ			01:18																				
ZZZZZZ			01:24																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			01:29																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
CCV 680-271678/130	1		01:46	X	X	X	X	X	X	X													
CCB 680-271678/131	1		01:51	X	X	X	X	X	X	X													
ZZZZZZ			01:57																				
ZZZZZZ			02:02																				
ZZZZZZ			02:08																				
ZZZZZZ			02:13																				
ZZZZZZ			02:19																				
ZZZZZZ			02:24																				
ZZZZZZ			02:30																				
MB 680-271368/1-A	1	T	02:35	X	X	X	X	X	X	X													
ZZZZZZ			02:41																				
LCS 680-271368/3-A	1	T	02:46	X	X	X	X	X	X	X													
CCV 680-271678/142	1		02:52	X	X	X	X	X	X	X													
CCB 680-271678/143	1		02:57	X	X	X	X	X	X	X													
680-88811-22	1	T	03:03	X	X	X	X	X	X	X													
680-88811-22 SD	5	T	03:08	X	X	X	X	X	X	X													
680-88811-22 PDS	1	T	03:13	X	X	X	X	X	X	X													
680-88811-22 MS	1	T	03:19	X	X	X	X	X	X	X													
680-88811-22 MSD	1	T	03:24	X	X	X	X	X	X	X													
680-88811-23	1	T	03:30	X	X	X	X	X	X	X													
680-88811-27	1	T	03:35	X	X	X	X	X	X	X													
680-88811-30	1	T	03:41	X	X	X	X	X	X	X													
680-88811-34	1	T	03:46	X	X	X	X	X	X	X													
680-88811-39	1	T	03:52	X	X	X	X	X	X	X													
CCV 680-271678/154	1		03:57	X	X	X	X	X	X	X													
CCB 680-271678/155	1		04:03	X	X	X	X	X	X	X													
680-88811-40	1	T	04:08	X	X	X	X	X	X	X													
680-88811-41	1	T	04:14	X	X	X	X	X	X	X													
680-88811-42	1	T	04:19	X	X	X	X	X	X	X													
680-88811-43	1	T	04:25	X	X	X	X	X	X	X													
680-88811-45	1	T	04:30	X	X	X	X	X	X	X													
680-88811-64	1	T	04:36	X	X	X	X	X	X	X													
680-88811-74	1	T	04:41	X	X	X	X	X	X	X													
680-88811-78	1	T	04:47	X	X	X	X	X	X	X													
680-88811-85	1	T	04:52	X	X	X	X	X	X	X													
680-88811-86	1	T	04:58	X	X	X	X	X	X	X													
CCV 680-271678/166	1		05:03	X	X	X	X	X	X	X													
CCB 680-271678/167	1		05:09	X	X	X	X	X	X	X													
680-88811-87	1	T	05:14	X	X	X	X	X	X	X													

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

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																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
680-88811-88	1	T	05:20	X	X	X	X	X	X	X													
ZZZZZZ			05:25																				
ZZZZZZ			05:31																				
ZZZZZZ			05:36																				
CRI 680-271678/173			05:41																				
CCV 680-271678/174	1		05:47	X	X	X	X	X	X	X													
CCB 680-271678/175	1		05:52	X	X	X	X	X	X	X													

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/29/2013 15:46 End Date: 03/30/2013 12:27

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
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			17:07																				
CCB 680-271158/32-A			17:09																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				
ZZZZZZ			17:17																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:27																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/29/2013 15:46 End Date: 03/30/2013 12:27

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:34																				
CCV 680-271158/31-A			17:36																				
CCB 680-271158/32-A			17:39																				
ZZZZZZ			17:41																				
ZZZZZZ			17:44																				
ZZZZZZ			17:46																				
ZZZZZZ			17:49																				
ZZZZZZ			17:51																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:58																				
ZZZZZZ			18:01																				
ZZZZZZ			18:03																				
CCV 680-271158/31-A			18:06																				
CCB 680-271158/32-A			18:08																				
ZZZZZZ			18:11																				
ZZZZZZ			18:13																				
ZZZZZZ			18:16																				
ZZZZZZ			18:18																				
ZZZZZZ			18:20																				
ZZZZZZ			18:23																				
ZZZZZZ			18:25																				
ZZZZZZ			18:28																				
CCV 680-271158/31-A			18:30																				
CCB 680-271158/32-A			18:33																				
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																				
CCV 680-271158/31-A			10:44																				
CCB 680-271158/32-A			10:46																				
ZZZZZZ			10:49																				
ZZZZZZ			10:51																				
ZZZZZZ			10:54																				
ZZZZZZ			10:56																				
ZZZZZZ			10:58																				
ZZZZZZ			11:01																				
ZZZZZZ			11:03																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/29/2013 15:46 End Date: 03/30/2013 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			11:06																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
CCV 680-271158/31-A			11:13																				
CCB 680-271158/32-A			11:16																				
ZZZZZZ			11:18																				
ZZZZZZ			11:21																				
ZZZZZZ			11:23																				
ZZZZZZ			11:25																				
ZZZZZZ			11:28																				
ZZZZZZ			11:30																				
ZZZZZZ			11:33																				
ZZZZZZ			11:35																				
ZZZZZZ			11:38																				
ZZZZZZ			11:40																				
CCV 680-271158/31-A	1		11:43	X																			
CCB 680-271158/32-A	1		11:45	X																			
MB 680-271209/1-A	1	T	11:48	X																			
LCS 680-271209/2-A	1	T	11:50	X																			
680-88811-22	1	T	11:52	X																			
680-88811-22 MS	1	T	11:55	X																			
680-88811-22 MSD	1	T	11:57	X																			
680-88811-23	1	T	12:00	X																			
680-88811-27	1	T	12:02	X																			
680-88811-30	1	T	12:05	X																			
680-88811-34	1	T	12:07	X																			
680-88811-45	1	T	12:10	X																			
CCV 680-271158/31-A	1		12:12	X																			
CCB 680-271158/32-A	1		12:15	X																			
680-88811-64	1	T	12:17	X																			
680-88811-74	1	T	12:20	X																			
680-88811-78	1	T	12:22	X																			
CCV 680-271158/31-A	1		12:24	X																			
CCB 680-271158/32-A	1		12:27	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/04/2013 09:54 End Date: 04/04/2013 12:46

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 680-271529/29-A			09:54	X																			
IC 680-271529/30-A			09:57	X																			
IC 680-271529/31-A			09:59	X																			
IC 680-271529/32-A			10:02	X																			
IC 680-271529/33-A			10:04	X																			
IC 680-271529/34-A			10:06	X																			
ICV 680-271529/39-A	1		10:09	X																			
ICB 680-271529/40-A	1		10:11	X																			
CRA 680-271529/41-A	1		10:14	X																			
CCV 680-271529/36-A			10:16																				
CCB 680-271529/37-A			10:19																				
ZZZZZZ			10:21																				
ZZZZZZ			10:24																				
ZZZZZZ			10:26																				
ZZZZZZ			10:28																				
ZZZZZZ			10:31																				
ZZZZZZ			10:33																				
ZZZZZZ			10:36																				
ZZZZZZ			10:38																				
ZZZZZZ			10:41																				
ZZZZZZ			10:43																				
CCV 680-271529/36-A	1		10:45	X																			
CCB 680-271529/37-A	1		10:48	X																			
MB 680-271529/1-A	1	T	10:50	X																			
LCS 680-271529/2-A	1	T	10:53	X																			
ZZZZZZ			10:55																				
ZZZZZZ			10:58																				
ZZZZZZ			11:00																				
ZZZZZZ			11:03																				
ZZZZZZ			11:05																				
ZZZZZZ			11:08																				
ZZZZZZ			11:10																				
ZZZZZZ			11:12																				
CCV 680-271529/36-A	1		11:15	X																			
CCB 680-271529/37-A	1		11:17	X																			
ZZZZZZ			11:20																				
ZZZZZZ			11:22																				
ZZZZZZ			11:25																				
ZZZZZZ			11:27																				
ZZZZZZ			11:30																				
ZZZZZZ			11:32																				
ZZZZZZ			11:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/04/2013 09:54 End Date: 04/04/2013 12:46

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
680-88811-40	1	T	11:37	X																			
680-88811-41	1	T	11:39	X																			
680-88811-42	1	T	11:42	X																			
CCV 680-271529/36-A	1		11:44	X																			
CCB 680-271529/37-A	1		11:47	X																			
680-88811-43	1	T	11:49	X																			
680-88811-85	1	T	11:52	X																			
680-88811-86	1	T	11:54	X																			
680-88811-87	1	T	11:56	X																			
680-88811-88	1	T	11:59	X																			
ZZZZZZ			12:01																				
ZZZZZZ			12:04																				
ZZZZZZ			12:06																				
CCV 680-271529/36-A	1		12:09	X																			
CCB 680-271529/37-A	1		12:11	X																			
CCV 680-271529/36-A	1		12:26	X																			
CCB 680-271529/37-A	1		12:29	X																			
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
680-88811-39	1	T	12:36	X																			
680-88811-39 MS	1	T	12:39	X																			
680-88811-39 MSD	1	T	12:41	X																			
CCV 680-271529/36-A	1		12:44	X																			
CCB 680-271529/37-A	1		12:46	X																			

Prep Types
T = Total/NA

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

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

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

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

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

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

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

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

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

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	322484oxb	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

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

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

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

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

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

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

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

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-l 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

lcs 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

lcs 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

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

lcs 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

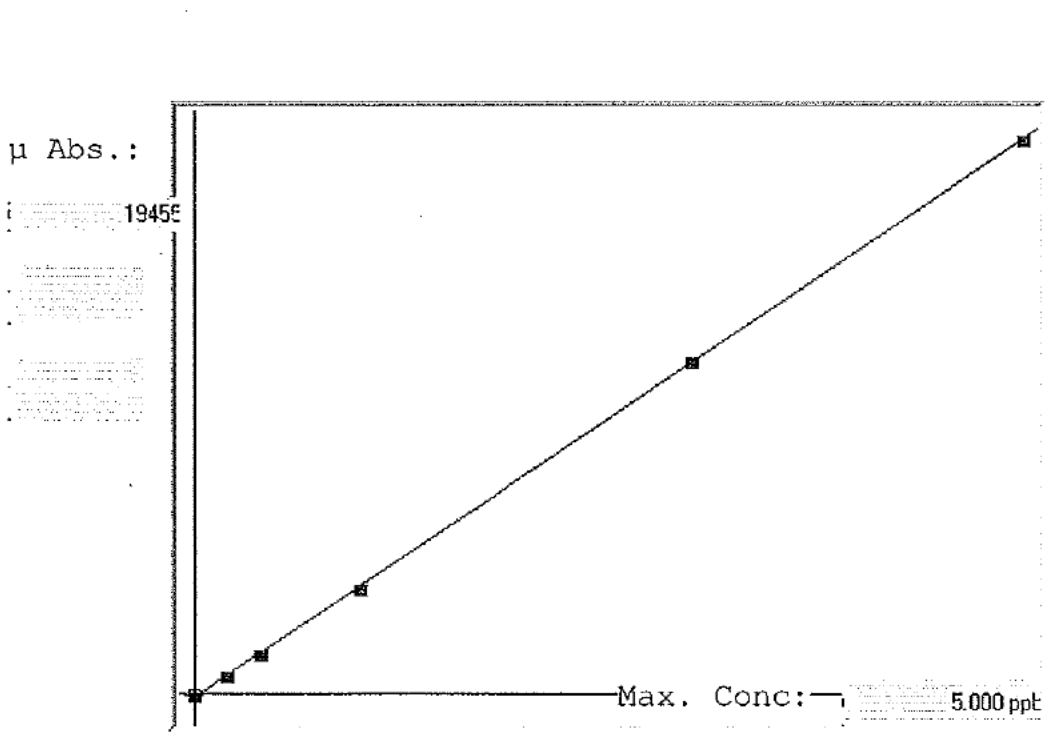
CCB (Samp) **4/3/2013, 5:52:58 AM** **Rack 4, Tube 10**

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

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



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
CCV		2.4786	0.1225	30 Mar 2013 10:44:18
CCB		0.0096	6.2628	30 Mar 2013 10:46:44
mb 680-271202/1-a		0.0138	5.3131	30 Mar 2013 10:49:10
lcs 680-271202/2-a		2.4413	0.3287	30 Mar 2013 10:51:36
680-88782-a-2-a		3.4058	0.1103	30 Mar 2013 10:54:02
680-88782-a-4-a		2.6109	0.5060	30 Mar 2013 10:56:29
680-88782-a-6-a		1.8185	0.0577	30 Mar 2013 10:58:56
680-88782-a-8-a		0.1182	0.6354	30 Mar 2013 11:01:24
680-88782-a-10-a		3.2816	0.2044	30 Mar 2013 11:03:50
680-88782-a-10-b ms		4.2804	0.2475	30 Mar 2013 11:06:17
680-88782-a-10-c msd		4.9461	0.3751	30 Mar 2013 11:08:44
680-88782-a-12-a		3.6085	0.6435	30 Mar 2013 11:11:11
CCV		2.5114	0.4928	30 Mar 2013 11:13:40
CCB		0.0124	2.5644	30 Mar 2013 11:16:08
680-88782-a-14-a		2.4971	0.3496	30 Mar 2013 11:18:34
680-88782-a-16-a		1.3873	0.5179	30 Mar 2013 11:21:02
680-88782-a-18-a		0.2405	0.0500	30 Mar 2013 11:23:31
680-88812-d-1-a		0.3258	0.3522	30 Mar 2013 11:25:57
680-88812-d-3-a		0.3326	0.3090	30 Mar 2013 11:28:25
680-88812-d-7-a		0.3611	0.4805	30 Mar 2013 11:30:52
lb2 680-270512/14-i		0.0399	0.9048	30 Mar 2013 11:33:18
680-88652-a-3-f		0.0455	1.2116	30 Mar 2013 11:35:45
680-88652-a-3-g ms		0.9576	0.2632	30 Mar 2013 11:38:11
680-88652-a-3-h msd		0.9398	0.8883	30 Mar 2013 11:40:38
CCV		2.5191	0.7741	30 Mar 2013 11:43:04
CCB		0.0090	8.3392	30 Mar 2013 11:45:34
mb 680-271209/1-a		0.0240	1.3273	30 Mar 2013 11:48:00
lcs 680-271209/2-a		2.5588	0.2124	30 Mar 2013 11:50:28
680-88811-b-22-a		2.0225	0.8391	30 Mar 2013 11:52:57
680-88811-b-22-b ms		2.7159	0.4564	30 Mar 2013 11:55:26
680-88811-b-22-c msd		2.3840	0.3148	30 Mar 2013 11:57:55
680-88811-b-23-a		1.5518	0.8839	30 Mar 2013 12:00:22
680-88811-b-27-a		1.1944	0.2381	30 Mar 2013 12:02:49
680-88811-b-30-a		1.6588	0.1319	30 Mar 2013 12:05:17
680-88811-b-34-a		3.2355	0.7019	30 Mar 2013 12:07:46
680-88811-b-45-a		2.9044	0.2301	30 Mar 2013 12:10:13
CCV		2.5584	0.8163	30 Mar 2013 12:12:41

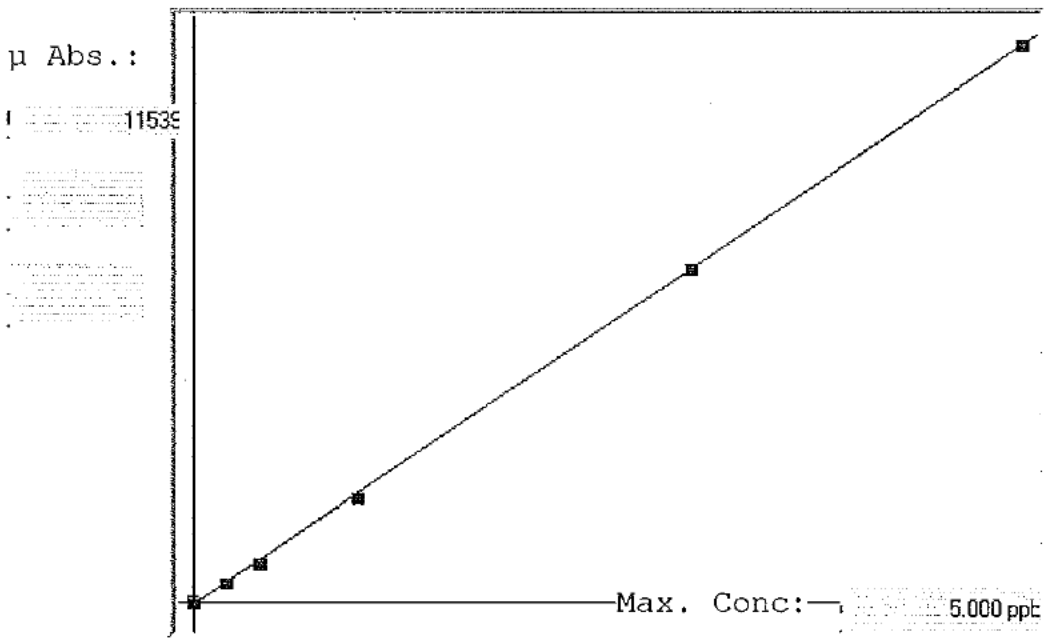
C03292013B

Method: Hg Norm2 Operator: Admin Date of Analysis: 29 Mar 2013 15:43:31

Sample ID	Extended ID	Mean	RSD	Date
CCB		0.0070	13.0357	30 Mar 2013 12:15:09
680-88811-b-64-a		2.1015	0.2132	30 Mar 2013 12:17:36
680-88811-b-74-a		2.7453	0.6600	30 Mar 2013 12:20:04
680-88811-b-78-a		2.4193	0.4137	30 Mar 2013 12:22:32
CCV		2.5784	0.3202	30 Mar 2013 12:24:59
CCB		0.0075	2.7865	30 Mar 2013 12:27:26

Hg Norm2

Linear



A= 0.0000e+000

B= 4.3148e-004

C= 2.3954e-002

Rho= 0.9999355

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.030	0.030	14	0.816	13	14	15		
0.2	0.200	0.210	0.010	432	0.3 %	431	432	434		
0.4	0.400	0.384	-0.016	835	0.9 %	826	835	844		
1.0	1.000	0.965	-0.035	2180	1.0 %	2153	2184	2205		
3.0	3.000	3.008	0.008	6915	0.5 %	6873	6915	6957		
5.0	5.000	5.003	0.003	11539	0.7 %	11428	11565	11624		

C04042013

Method: Hg Norm2 Operator: Admin Date of Analysis: 04 Apr 2013 09:52:45

Sample ID	Extended ID	Mean	RSD	Date
blank		14	5.8321	04 Apr 2013 09:54:41
0.2		432	0.2885	04 Apr 2013 09:57:08
0.4		835	0.8801	04 Apr 2013 09:59:35
1.0		2181	0.9795	04 Apr 2013 10:02:02
3.0		6915	0.4959	04 Apr 2013 10:04:30
5.0		11539	0.7115	04 Apr 2013 10:06:56
ICV		3.1865	0.6989	04 Apr 2013 10:09:22
ICB		0.0156	13.6022	04 Apr 2013 10:11:48
CRA		0.2193	1.1285	04 Apr 2013 10:14:14
CCV		2.7098	1.1073	04 Apr 2013 10:16:41
CCB		0.0185	1.1001	04 Apr 2013 10:19:09
mb 680-271588/1-a	(BCB)	0.0711	1.5132	04 Apr 2013 10:21:34
lcs 680-271588/2-a	(BCB)	2.6462	0.5592	04 Apr 2013 10:24:00
680-88014-a-27-a	(BCB)	0.2928	0.9551	04 Apr 2013 10:26:26
680-88014-a-27-b ms	(BCB)	1.1750	0.7969	04 Apr 2013 10:28:53
680-88014-a-27-c msd	(BCB)	1.0972	0.5657	04 Apr 2013 10:31:19
680-88014-a-3-a	(BCB)	0.1689	1.0836	04 Apr 2013 10:33:45
lb 680-271507/7-c	(BCB)	0.0347	2.6830	04 Apr 2013 10:36:11
660-53451-a-2-c	(BCB)	0.0337	4.9354	04 Apr 2013 10:38:37
660-53451-a-2-d ms	(BCB)	0.8556	0.3453	04 Apr 2013 10:41:04
660-53451-a-2-e msd	(BCB)	0.8484	0.1572	04 Apr 2013 10:43:30
CCV		2.6481	1.3581	04 Apr 2013 10:45:57
CCB		0.0208	3.5276	04 Apr 2013 10:48:24
mb 680-271529/1-a	(BCB)	0.0389	1.3830	04 Apr 2013 10:50:49
lcs 680-271529/2-a	(BCB)	2.6924	0.2927	04 Apr 2013 10:53:18
680-88749-b-6-a	(BCB)	0.9065	0.8311	04 Apr 2013 10:55:47
680-88749-b-6-b ms	(BCB)	1.4149	0.4740	04 Apr 2013 10:58:13
680-88749-b-6-c msd	(BCB)	1.2701	0.5357	04 Apr 2013 11:00:42
680-88749-a-7-a	(BCB)	0.6421	0.1764	04 Apr 2013 11:03:09
680-88749-a-8-a	(BCB)	0.4343	0.9735	04 Apr 2013 11:05:36
680-88831-a-2-a	(BCB)	4.4816	0.6186	04 Apr 2013 11:08:03
680-88831-a-4-a	(BCB)	0.9713	0.3705	04 Apr 2013 11:10:29
680-88831-a-6-a	(BCB)	1.9071	0.9523	04 Apr 2013 11:12:57
CCV		2.7466	1.0527	04 Apr 2013 11:15:23
CCB		0.0286	1.8845	04 Apr 2013 11:17:49
680-88831-a-7-a	(BCB)	0.4741	0.6904	04 Apr 2013 11:20:15
680-88831-a-8-a	(BCB)	0.2955	0.7757	04 Apr 2013 11:22:43
680-88831-a-10-a	(BCB)	45.1987	0.7173	04 Apr 2013 11:25:09
680-88831-a-11-a	(BCB)	0.3231	1.5888	04 Apr 2013 11:27:37
680-88811-a-39-b	(BCB)	1.9059	1.5630	04 Apr 2013 11:30:05
680-88811-a-39-c ms	(BCB)	2.6066	0.1800	04 Apr 2013 11:32:30
680-88811-a-39-d msd	(BCB)	2.9372	0.0780	04 Apr 2013 11:34:56
680-88811-a-40-b	(BCB)	1.7197	0.2710	04 Apr 2013 11:37:22
680-88811-a-41-b	(BCB)	4.1407	0.5787	04 Apr 2013 11:39:50
680-88811-a-42-b	(BCB)	4.5294	0.3823	04 Apr 2013 11:42:17
CCV		2.7915	0.4927	04 Apr 2013 11:44:43
CCB		0.0208	3.9135	04 Apr 2013 11:47:10
680-88811-a-43-b	(BCB)	1.0296	0.6124	04 Apr 2013 11:49:37
680-88811-a-85-b	(BCB)	3.2590	0.2703	04 Apr 2013 11:52:04
680-88811-a-86-b	(BCB)	2.4896	0.1187	04 Apr 2013 11:54:30
680-88811-a-87-b	(BCB)	2.3640	0.9628	04 Apr 2013 11:56:57
680-88811-a-88-b	(BCB)	3.2500	0.3546	04 Apr 2013 11:59:25
680-88859-b-2-b	(BCB)	0.7429	0.0724	04 Apr 2013 12:01:54
680-88859-c-2-c ms	(BCB)	2.8335	0.3995	04 Apr 2013 12:04:22
680-88859-c-2-d msd	(BCB)	1.2601	0.6055	04 Apr 2013 12:06:48
CCV		2.8021	0.7732	04 Apr 2013 12:09:15

C04042013

Method: Hg Norm2 Operator: Admin Date of Analysis: 04 Apr 2013 09:52:45

Sample ID	Extended ID	Mean	RSD	Date
CCB		0.0191	2.8229	04 Apr 2013 12:11:42
CCV		2.7736	0.4136	04 Apr 2013 12:26:54
CCB		0.0201	5.2659	04 Apr 2013 12:29:22
680-88831-a-10-a	^20 (BCB)	2.6505	0.2394	04 Apr 2013 12:31:47
680-88831-a-11-a	(BCB)	0.4563	0.9103	04 Apr 2013 12:34:12
680-88811-a-39-b	(BCB)	1.9117	0.3333	04 Apr 2013 12:36:38
680-88811-a-39-c ms	(BCB)	2.5655	0.7503	04 Apr 2013 12:39:04
680-88811-a-39-d msd	(BCB)	2.8887	0.5389	04 Apr 2013 12:41:33
CCV		2.7227	1.2436	04 Apr 2013 12:44:00
CCB		0.0290	3.7129	04 Apr 2013 12:46:26

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Batch Number: 271368 Batch Start Date: 04/01/13 10:00 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/01/13 15:14

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 680-271368/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-271368/3		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL	2 mL		
680-88811-B-22	CV1039A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-88811-B-22 MS	CV1039A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL		1 mL	1 mL
680-88811-B-22 MSD	CV1039A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL		1 mL	1 mL
680-88811-B-23	CV1039A-CSD	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-88811-B-27	CV1366A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-88811-B-30	CV1043B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-88811-B-34	CV1042C-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-88811-A-39	CV1039A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL			
680-88811-A-40	CV1039A-CSD (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-88811-A-41	CV1042C-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-88811-A-42	CV1043B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL			
680-88811-A-43	CV1366A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-88811-B-45	CV1119B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-88811-B-64	CV1131B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-88811-B-74	CV1138B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-88811-B-78	CV1052B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	0.99 g	100 mL			
680-88811-A-85	CV1131B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-88811-A-86	CV1138B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-88811-A-87	CV1052B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL			

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Batch Number: 271368 Batch Start Date: 04/01/13 10:00 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/01/13 15:14

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS_LCS1_WK 00001	MS_LCS2_wk 00143
680-88811-A-88	CV1119B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			

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	96 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.: 680-88811-5

SDG No.: 68088811-5

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.: 680-88811-5

SDG No.: 68088811-5

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.: 680-88811-5

SDG No.: 68088811-5

Batch Number: 271209 Batch Start Date: 03/29/13 12:28 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 03/29/13 18:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00090			
MB 680-271209/1		7471B, 7471B		0.53 g	50 mL				
LCS 680-271209/2		7471B, 7471B		0.55 g	50 mL	0.25 mL			
680-88811-B-22	CV1039A-CS	7471B, 7471B	T	0.59 g	50 mL				
680-88811-B-22 MS	CV1039A-CS	7471B, 7471B	T	0.56 g	50 mL	0.1 mL			
680-88811-B-22 MSD	CV1039A-CS	7471B, 7471B	T	0.54 g	50 mL	0.1 mL			
680-88811-B-23	CV1039A-CSD	7471B, 7471B	T	0.52 g	50 mL				
680-88811-B-27	CV1366A-CS	7471B, 7471B	T	0.59 g	50 mL				
680-88811-B-30	CV1043B-CS	7471B, 7471B	T	0.52 g	50 mL				
680-88811-B-34	CV1042C-CS	7471B, 7471B	T	0.59 g	50 mL				
680-88811-B-45	CV1119B-CS	7471B, 7471B	T	0.59 g	50 mL				
680-88811-B-64	CV1131B-CS	7471B, 7471B	T	0.59 g	50 mL				
680-88811-B-74	CV1138B-CS	7471B, 7471B	T	0.59 g	50 mL				
680-88811-B-78	CV1052B-CS	7471B, 7471B	T	0.57 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.: 680-88811-5

SDG No.: 68088811-5

Batch Number: 271209 Batch Start Date: 03/29/13 12:28 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 03/29/13 18:15

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965828
Hydroxylamine Hydrochloride Lot	3001958
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	2968294
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	01/03/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Batch Number: 271529 Batch Start Date: 04/02/13 10:30 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/02/13 16:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment	
MB 680-271529/1		7471B, 7471B		0.55 g	50 mL				
LCS 680-271529/2		7471B, 7471B		0.53 g	50 mL		0.25 mL		
680-88811-A-39	CV1039A-CS (sieve)	7471B, 7471B	T	0.60 g	50 mL				
680-88811-A-39 MS	CV1039A-CS (sieve)	7471B, 7471B	T	0.53 g	50 mL		0.1 mL		
680-88811-A-39 MSD	CV1039A-CS (sieve)	7471B, 7471B	T	0.55 g	50 mL		0.1 mL		
680-88811-A-40	CV1039A-CSD (sieve)	7471B, 7471B	T	0.57 g	50 mL				
680-88811-A-41	CV1042C-CS (sieve)	7471B, 7471B	T	0.53 g	50 mL				
680-88811-A-42	CV1043B-CS (sieve)	7471B, 7471B	T	0.50 g	50 mL				
680-88811-A-43	CV1366A-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				
680-88811-A-85	CV1131B-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				
680-88811-A-86	CV1138B-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				
680-88811-A-87	CV1052B-CS (sieve)	7471B, 7471B	T	0.52 g	50 mL				
680-88811-A-88	CV1119B-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				
CCV 680-271529/36		7471B, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-271529/37		7471B, 7471B		50 mL	50 mL				
ICV 680-271529/39		7471B, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-271529/40		7471B, 7471B		50 mL	50 mL				
CRA 680-271529/41		7471B, 7471B		50 mL	50 mL		0.02 mL	0.20 standard used.	

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88811-5

SDG No.: 68088811-5

Batch Number: 271529 Batch Start Date: 04/02/13 10:30 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/02/13 16:25

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046698
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956909
Lot # of hydrochloric acid	3038841
Lot # of Nitric Acid	3026690
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
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	03/05/13
Stannous Chloride Lot Number	3038842
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.

Serial Number 63533

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
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Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
(b) (6)	(b) (6)	

CLIENT NAME (b) (6)

CLIENT E-MAIL

CLIENT ADDRESS (b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 2 OF 4

STANDARD REPORT DELIVERY ○

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: LL PAH	Metals: RCRA 8	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-27-13	0945	CV0013 A-CS	C		X			X				
	0955	CV0013 B-CS	C		X			X				
	0958	CV0013 C-CS	C		X			X				
	1000	CV0013 DC-CSD	C		X			X				
	1007	CV0013 D-CS	C		X			X				
	1015	CV0013 E-CS	C		X			X				
	0950	CV0013 AB-GS	G		X			X				
	1235	CV1036A-CS	C		X			X				
	1240	CV1036B-CS	C		X			X				
	1240	CV1039A-CS	C		X			X	X			
	1240	CV1039A-CSD	C		X			X	X			
	1250	CV1039B-CS	C		X			X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3-28-13	12:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	03/29/13	0945	YES ○ NO ○		680-98811	3.6 C

TAL8240-680 (1008)

Serial Number 63534

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
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Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Remedial	200518-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
(b) (6)	(b) (6)	

CLIENT NAME	CLIENT E-MAIL
	(b) (6)

CLIENT ADDRESS (b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 3 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 2 PAH	Metals - Ba, Cr	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-27-13	1255	CV1040A-CS	C		X			X				
	1312	CV1042A-CS	C		X			X				
	1310	CV1366A-CS	C		X			X	X			
	1320	CV1366B-CS	C		X			X				
	1415	CV1043A-CS	C		X			X				
	1425	CV1043B-CS	C		X			X	X			
	1410	CV1049A-CS	C		X			X				
	1415	CV1049B-CS	C		X			X				
	1318	CV1042B-CS	C		X			X				
	1325	CV1042C-CS	C		X			X	X			
	1450	CV1047A-CS	C		X			X				
	1459	CV1047B-CS	C		X			X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature] Harlin	3-28-13	12:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	03/29/13	0945	YES ○ NO ○		680 98811	3.6°

TAL8240-680 (1008)

Serial Number 63535

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

○ TestAmerica Savannah
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Savannah, GA 31404
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○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	200548-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

(b) (6) (b) (6) CLIENT FAX

CLIENT NAME (b) (6) CLIENT E-MAIL (b) (6)

CLIENT ADDRESS (b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 4 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: LL PAH	Metals - RIPAS	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-27-B	1430	CV1050A-CS	C		X			X				
	1435	CV1050B-CS	C		X			X				
	1240	CV1039A-CS (sieve)	C		X			~~X~~	X			
	1240	CV1039A-CSD (sieve)	C		X			~~X~~	X			
	1325	CV1042C-CS (sieve)	C		X				X			
	1425	CV1043B-CS (sieve)	C		X				X			
	1310	CV1366A-CS (sieve)	C		X				X			

2

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Amy Anglin	3-28-13	12:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680-88811	3.6°

TAL8240-680 (1008)

Serial Number 63536

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

○ TestAmerica Savannah
5102 LaRoche Avenue
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Website: www.testamericainc.com
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○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

CLIENT (SITE) PM | CLIENT PHONE | CLIENT FAX

(b) (6)

CLIENT NAME | CLIENT E-MAIL

(b) (6)

CLIENT ADDRESS (b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 1 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 22 PAH	Metals RCRA 8	NUMBER OF CONTAINERS SUBMITTED	REMARKS
								PRESERVATIVE			
3-28-13	0915	CV1119 A-CS	C		X			X			
	0925	CV1119 B-CS	C		X			X	X		
	0935	CV1119 C-GS	G		X			X			
	0935	CV1119 C-GSD	G		X			X			
	0940	CV1119 D-GS	G		X			X			
	1955	CV1120 A-CS	C		X			X			
	1005	CV1120 B-CS	C		X			X			
	0845	CV1121 A-CS	C		X			X			
	0850	CV1121 B-CS	C		X			X			
	0859	CV1121 C-CS	C		X			X			
	1050	CV1122 A-CS	C		X			X			
	1100	CV1122B-CS	C		X			X			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Maglin	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680-89811	3.8°C

TAL8240-680 (1008)

Serial Number 63538

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	200548-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

CLIENT FAX

(b) (6)

CLIENT NAME

CLIENT E-MAIL

(b) (6)

CLIENT ADDRESS

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 2 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

PRESERVATIVE

	SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	Metals ROW 8								REMARKS
3	3-28-13	0905	CV1123A-CS	C		X			X									
		0925	CV1123B-CS	C		X			X									
		1006	CV1125A-CS	C		X			X									
		1015	CV1125B-CS	C		X			X									
4		1030	CV1127A-CS	C		X			X									
		1032	CV1127A-CSD	C		X			X									
		1038	CV1127B-CS	C		X			X									
		1100	CV1131A-CS	C		X			X									
		1107	CV1131B-CS	C		X			X	X								
		1115	CV1131C-CS	C		X			X									
		1345	CV1056A-CS	C		X			X									
3		1347	CV1056A-CSD	C		X			X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680-88811	3.8 C

TAL8240-680 (1008)

Serial Number 63539

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
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Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
(b) (6)		
CLIENT NAME	CLIENT E-MAIL	
(b) (6)	(b) (6)	
CLIENT ADDRESS		
(b) (6)		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE)

REQUIRED ANALYSIS: LL PAH; Metals - 6010B

PAGE 2 OF 4

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED									REMARKS
3-28-13	1355	CV1056B-CS	C		X			X									
	1305	CV1124A-CS	C		X			X									
	1315	CV1124B-CS	C		X			X									
	1335	CV1126A-CS	C		X			X									
	1345	CV1126B-CS	C		X			X									
	1255	CV1138A-CS	C		X			X									
	1305	CV1138B-CS	C		X			X	X								
	1310	CV1140A-CS	C		X			X									
	1315	CV1140B-CS	C		X			X									
	1440	CV1052A-CS	C		X			X									
	1450	CV1052B-CS	C		X			X	X								
	1405	CV1054A-CS	C		X			X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		10080 88821	3.8°

TAL8240-680 (1008)

Serial Number 63540

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
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Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.: 2005148-1356	PROJECT LOCATION (STATE): AL
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: (b) (6)	CLIENT PHONE	CLIENT FAX
CLIENT NAME: (b) (6)	CLIENT E-MAIL: (b) (6)	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 4 OF 4

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

REQUIRED ANALYSIS: LL PAH; Metals RCRA 8

PRESERVATIVE

STANDARD REPORT DELIVERY ○ DATE DUE ______
EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE ______
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	C/G	AQUEOUS	SOLID	AIR	NONAQUEOUS	LL PAH	Metals RCRA 8	REMARKS
3-28-13	1415	CV1054B-CS	C		X			X		
	1455	CV1136A-CS	C		X			X		
	1445	CV1141A-CS	C		X			X		
	1445	CV1141A-CSD	C		X			X		
	1515	CV1058A-CS	C		X			X		
	1107	CV1131B-CS (sieve)	C		X				X	
	1305	CV1138B-CS (sieve)	C		X				X	
	1450	CV1052B-CS (sieve)	C		X				X	
	0925	CV1119B-CS (sieve)	C		X				X	

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE) [signature]	DATE 3-28-13	TIME 1730	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
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RECEIVED FOR LABORATORY BY: (SIGNATURE) [signature]	DATE 03/29/13	TIME 0945	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-88011	LABORATORY REMARKS 3.8°

TAL8240-680 (1008)

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: 680-88811-5
TestAmerica Sample Delivery Group: 68088811-5
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:
4/9/2013 8:58:02 AM
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Lisa Harvey
Project Manager II
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Job ID: 680-88811-5

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88811-5

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 03/29/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.6º C and 3.8º C.

METALS (ICP)

Samples CV1039A-CS (680-88811-22), CV1039A-CSD (680-88811-23), CV1366A-CS (680-88811-27), CV1043B-CS (680-88811-30), CV1042C-CS (680-88811-34), CV1039A-CS (sieve) (680-88811-39), CV1039A-CSD (sieve) (680-88811-40), CV1042C-CS (sieve) (680-88811-41), CV1043B-CS (sieve) (680-88811-42), CV1366A-CS (sieve) (680-88811-43), CV1119B-CS (680-88811-45), CV1131B-CS (680-88811-64), CV1138B-CS (680-88811-74), CV1052B-CS (680-88811-78), CV1131B-CS (sieve) (680-88811-85), CV1138B-CS (sieve) (680-88811-86), CV1052B-CS (sieve) (680-88811-87) and CV1119B-CS (sieve) (680-88811-88) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/01/2013 and analyzed on 04/03/2013.

SEveral analytes recovered outside the recovery criteria for the MS/MSD of sample CV1039A-CS (680-88811-22) in batch 680-271678. Also, Arsenic, Barium and Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1039A-CS (680-88811-22), CV1039A-CSD (680-88811-23), CV1366A-CS (680-88811-27), CV1043B-CS (680-88811-30), CV1042C-CS (680-88811-34), CV1039A-CS (sieve) (680-88811-39), CV1039A-CSD (sieve) (680-88811-40), CV1042C-CS (sieve) (680-88811-41), CV1043B-CS (sieve) (680-88811-42), CV1366A-CS (sieve) (680-88811-43), CV1119B-CS (680-88811-45), CV1131B-CS (680-88811-64), CV1138B-CS (680-88811-74), CV1052B-CS (680-88811-78), CV1131B-CS (sieve) (680-88811-85), CV1138B-CS (sieve) (680-88811-86), CV1052B-CS (sieve) (680-88811-87) and CV1119B-CS (sieve) (680-88811-88) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/29/2013 and 04/02/2013 and analyzed on 03/30/2013 and 04/04/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV1039A-CS (680-88811-22) in batch 680-271466.

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

No other difficulties were encountered during the mercury analyses.

Job ID: 680-88811-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

All other quality control parameters were within the acceptance limits.

Sample Summary

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88811-22	CV1039A-CS	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-23	CV1039A-CSD	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-27	CV1366A-CS	Solid	03/27/13 13:10	03/29/13 09:45
680-88811-30	CV1043B-CS	Solid	03/27/13 14:25	03/29/13 09:45
680-88811-34	CV1042C-CS	Solid	03/27/13 13:25	03/29/13 09:45
680-88811-39	CV1039A-CS (sieve)	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-40	CV1039A-CSD (sieve)	Solid	03/27/13 12:40	03/29/13 09:45
680-88811-41	CV1042C-CS (sieve)	Solid	03/27/13 13:25	03/29/13 09:45
680-88811-42	CV1043B-CS (sieve)	Solid	03/27/13 14:25	03/29/13 09:45
680-88811-43	CV1366A-CS (sieve)	Solid	03/27/13 13:10	03/29/13 09:45
680-88811-45	CV1119B-CS	Solid	03/28/13 09:25	03/29/13 09:45
680-88811-64	CV1131B-CS	Solid	03/28/13 11:07	03/29/13 09:45
680-88811-74	CV1138B-CS	Solid	03/28/13 13:05	03/29/13 09:45
680-88811-78	CV1052B-CS	Solid	03/28/13 14:50	03/29/13 09:45
680-88811-85	CV1131B-CS (sieve)	Solid	03/28/13 11:07	03/29/13 09:45
680-88811-86	CV1138B-CS (sieve)	Solid	03/28/13 13:05	03/29/13 09:45
680-88811-87	CV1052B-CS (sieve)	Solid	03/28/13 14:50	03/29/13 09:45
680-88811-88	CV1119B-CS (sieve)	Solid	03/28/13 09:25	03/29/13 09:45

Method Summary

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL TAM
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

Qualifiers

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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 ra io
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 ID: CV1039A-CS

Lab Sample ID: 680-88811-22
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 62.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	40		3.0	0.87	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Barium	210		1.5	0.44	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Cadmium	2.2		0.74	0.15	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Chromium	88		1.5	0.74	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Lead	390		1.5	0.78	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Selenium	1.5	J	3.7	1.5	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1
Silver	0.22	J	1.5	0.14	mg/Kg	☼	04/01/13 10:00	04/03/13 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.027	0.011	mg/Kg	☼	03/29/13 12:28	03/30/13 11:52	1

Client Sample ID: CV1039A-CSD

Lab Sample ID: 680-88811-23
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 83.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		2.3	0.67	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Barium	160		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Cadmium	2.0		0.57	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Chromium	1100		1.1	0.57	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Lead	260		1.1	0.60	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Selenium	4.1		2.9	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	1
Silver	0.51	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:30	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		0.023	0.0094	mg/Kg	☼	03/29/13 12:28	03/30/13 12:00	1

Client Sample ID: CV1366A-CS

Lab Sample ID: 680-88811-27
Date Collected: 03/27/13 13:10
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 75.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22		2.6	0.77	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Barium	170		1.3	0.39	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Cadmium	2.5		0.65	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Chromium	64		1.3	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Lead	510		1.3	0.69	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Selenium	3.0	J	3.3	1.3	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	1
Silver	0.67	J	1.3	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 03:35	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		0.022	0.0092	mg/Kg	☼	03/29/13 12:28	03/30/13 12:02	1

Client Sample ID: CV1043B-CS

Lab Sample ID: 680-88811-30
Date Collected: 03/27/13 14:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 76.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.6	0.76	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Barium	450		1.3	0.39	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Cadmium	2.1		0.64	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Chromium	85		1.3	0.64	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Lead	470		1.3	0.68	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Selenium	3.2	U	3.2	1.3	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	1
Silver	0.23	J	1.3	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 03:41	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	0.21		0.025	0.010	mg/Kg	☼	03/29/13 12:28	03/30/13 12:05	1

Client Sample ID: CV1042C-CS

Lab Sample ID: 680-88811-34
Date Collected: 03/27/13 13:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 75.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.5	0.73	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Barium	310		1.2	0.37	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Cadmium	8.2		0.62	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Chromium	90		1.2	0.62	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Lead	390		1.2	0.66	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Selenium	3.3		3.1	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	1
Silver	18		1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 03:46	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	0.36		0.023	0.0092	mg/Kg	☼	03/29/13 12:28	03/30/13 12:07	1

Client Sample ID: CV1039A-CS (sieve)

Lab Sample ID: 680-88811-39
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 82.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Barium	210		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Cadmium	2.2		0.55	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Chromium	63		1.1	0.55	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Lead	330		1.1	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Selenium	1.2	J	2.7	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1
Silver	0.47	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.020	0.0083	mg/Kg	☼	04/02/13 10:30	04/04/13 12:36	1

Client Sample ID: CV1039A-CSD (sieve)

Lab Sample ID: 680-88811-40

Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 82.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.3	0.68	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Barium	190		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Cadmium	1.9		0.57	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Chromium	65		1.1	0.57	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Lead	340		1.1	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Selenium	2.9	U	2.9	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1
Silver	0.38	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.021	0.0087	mg/Kg	☼	04/02/13 10:30	04/04/13 11:37	1

Client Sample ID: CV1042C-CS (sieve)

Lab Sample ID: 680-88811-41

Date Collected: 03/27/13 13:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 85.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		2.2	0.66	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Barium	520		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Cadmium	5.3		0.56	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Chromium	73		1.1	0.56	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Lead	1600		1.1	0.59	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Selenium	3.0		2.8	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1
Silver	1.3		1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.46		0.022	0.0091	mg/Kg	☼	04/02/13 10:30	04/04/13 11:39	1

Client Sample ID: CV1043B-CS (sieve)

Lab Sample ID: 680-88811-42

Date Collected: 03/27/13 14:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 81.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.4	0.72	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Barium	610		1.2	0.37	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Cadmium	2.6		0.61	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Chromium	57		1.2	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Lead	510		1.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Selenium	3.1	U	3.1	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1
Silver	0.41	J	1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.024	0.010	mg/Kg	☼	04/02/13 10:30	04/04/13 11:42	1

Client Sample ID: CV1366A-CS (sieve)

Lab Sample ID: 680-88811-43
Date Collected: 03/27/13 13:10
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 77.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		2.6	0.76	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Barium	120		1.3	0.38	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Cadmium	2.5		0.64	0.13	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Chromium	62		1.3	0.64	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Lead	760		1.3	0.68	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Selenium	2.2	J	3.2	1.3	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1
Silver	0.82	J	1.3	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.024	0.0098	mg/Kg	☼	04/02/13 10:30	04/04/13 11:49	1

Client Sample ID: CV1119B-CS

Lab Sample ID: 680-88811-45
Date Collected: 03/28/13 09:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 86.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.2	0.66	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Barium	370		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Cadmium	0.96		0.56	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Chromium	34		1.1	0.56	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Lead	190		1.1	0.59	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Selenium	2.0	J	2.8	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	1
Silver	0.51	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:30	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	0.29		0.020	0.0081	mg/Kg	☼	03/29/13 12:28	03/30/13 12:10	1

Client Sample ID: CV1131B-CS

Lab Sample ID: 680-88811-64
Date Collected: 03/28/13 11:07
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 68.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		2.9	0.84	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Barium	250		1.4	0.43	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Cadmium	1.6		0.71	0.14	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Chromium	54		1.4	0.71	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Lead	260		1.4	0.76	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Selenium	1.9	J	3.6	1.4	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	1
Silver	0.15	J	1.4	0.14	mg/Kg	☼	04/01/13 10:00	04/03/13 04:36	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	0.26		0.025	0.010	mg/Kg	☼	03/29/13 12:28	03/30/13 12:17	1

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Client Sample ID: CV1138B-CS

Lab Sample ID: 680-88811-74
Date Collected: 03/28/13 13:05
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		2.3	0.69	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Barium	360		1.2	0.35	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Cadmium	1.1		0.58	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Chromium	42		1.2	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Lead	280		1.2	0.62	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Selenium	1.8	J	2.9	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:41	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	0.28		0.020	0.0083	mg/Kg	☼	03/29/13 12:28	03/30/13 12:20	1

Client Sample ID: CV1052B-CS

Lab Sample ID: 680-88811-78
Date Collected: 03/28/13 14:50
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		2.4	0.71	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Barium	280		1.2	0.36	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Cadmium	1.7		0.60	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Chromium	53		1.2	0.60	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Lead	270		1.2	0.64	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.021	0.0086	mg/Kg	☼	03/29/13 12:28	03/30/13 12:22	1

Client Sample ID: CV1131B-CS (sieve)

Lab Sample ID: 680-88811-85
Date Collected: 03/28/13 11:07
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 80.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		2.5	0.72	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Barium	430		1.2	0.37	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Cadmium	3.0		0.61	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Chromium	53		1.2	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Lead	460		1.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Selenium	2.9	J	3.1	1.2	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1
Silver	0.33	J	1.2	0.12	mg/Kg	☼	04/01/13 10:00	04/03/13 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.023	0.0094	mg/Kg	☼	04/02/13 10:30	04/04/13 11:52	1

Client Sample ID: CV1138B-CS (sieve)

Lab Sample ID: 680-88811-86

Date Collected: 03/28/13 13:05
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		2.3	0.67	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Barium	180		1.1	0.34	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Cadmium	0.84		0.57	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Chromium	42		1.1	0.57	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Lead	690		1.1	0.61	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Selenium	2.9		2.9	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 04:58	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	0.27		0.022	0.0089	mg/Kg	☼	04/02/13 10:30	04/04/13 11:54	1

Client Sample ID: CV1052B-CS (sieve)

Lab Sample ID: 680-88811-87

Date Collected: 03/28/13 14:50
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 80.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		2.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Barium	250		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Cadmium	2.0		0.55	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Chromium	49		1.1	0.55	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Lead	280		1.1	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.024	0.0097	mg/Kg	☼	04/02/13 10:30	04/04/13 11:56	1

Client Sample ID: CV1119B-CS (sieve)

Lab Sample ID: 680-88811-88

Date Collected: 03/28/13 09:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 85.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.2	0.65	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Barium	350		1.1	0.33	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Cadmium	1.3		0.55	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Chromium	42		1.1	0.55	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Lead	280		1.1	0.58	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Selenium	2.0	J	2.7	1.1	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	1
Silver	0.25	J	1.1	0.11	mg/Kg	☼	04/01/13 10:00	04/03/13 05:20	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	0.35		0.022	0.0088	mg/Kg	☼	04/02/13 10:30	04/04/13 11:59	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-271368/1-A
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.58	mg/Kg		04/01/13 10:00	04/03/13 02:35	1
Barium	0.98	U	0.98	0.29	mg/Kg		04/01/13 10:00	04/03/13 02:35	1
Cadmium	0.49	U	0.49	0.098	mg/Kg		04/01/13 10:00	04/03/13 02:35	1
Chromium	0.98	U	0.98	0.49	mg/Kg		04/01/13 10:00	04/03/13 02:35	1
Lead	0.98	U	0.98	0.52	mg/Kg		04/01/13 10:00	04/03/13 02:35	1
Selenium	2.5	U	2.5	0.98	mg/Kg		04/01/13 10:00	04/03/13 02:35	1
Silver	0.98	U	0.98	0.094	mg/Kg		04/01/13 10:00	04/03/13 02:35	1

Lab Sample ID: LCS 680-271368/3-A
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.6	20.0		mg/Kg		102	75 - 125
Barium	19.6	19.4		mg/Kg		99	75 - 125
Cadmium	19.6	19.9		mg/Kg		101	75 - 125
Chromium	19.6	20.5		mg/Kg		105	75 - 125
Lead	19.6	19.0		mg/Kg		97	75 - 125
Selenium	19.6	18.7		mg/Kg		95	75 - 125
Silver	19.6	19.9		mg/Kg		102	75 - 125

Lab Sample ID: 680-88811-22 MS
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: CV1039A-CS
Prep Type: Total/NA
Prep Batch: 271368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	40		14.8	59.0	F	mg/Kg	☼	131	75 - 125
Barium	210		14.8	217	4	mg/Kg	☼	34	75 - 125
Cadmium	2.2		7.38	9.41		mg/Kg	☼	97	75 - 125
Chromium	88		14.8	107	4	mg/Kg	☼	131	75 - 125
Lead	390		7.38	450	4	mg/Kg	☼	834	75 - 125
Selenium	1.5	J	14.8	18.0		mg/Kg	☼	111	75 - 125
Silver	0.22	J	7.38	4.87	F	mg/Kg	☼	63	75 - 125

Lab Sample ID: 680-88811-22 MSD
Matrix: Solid
Analysis Batch: 271678

Client Sample ID: CV1039A-CS
Prep Type: Total/NA
Prep Batch: 271368

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	40		15.0	43.1	F	mg/Kg	☼	23	75 - 125	31	20
Barium	210		15.0	278	4 F	mg/Kg	☼	441	75 - 125	25	20
Cadmium	2.2		7.52	10.1		mg/Kg	☼	104	75 - 125	7	20
Chromium	88		15.0	75.1	4 F	mg/Kg	☼	-86	75 - 125	35	20
Lead	390		7.52	469	4	mg/Kg	☼	1058	75 - 125	4	20
Selenium	1.5	J	15.0	17.0		mg/Kg	☼	103	75 - 125	5	20
Silver	0.22	J	7.52	4.95	F	mg/Kg	☼	63	75 - 125	2	20

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

Lab Sample ID: MB 680-271209/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271466 — **Prep Batch: 271209**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0077	mg/Kg		03/29/13 12:28	03/30/13 11:48	1

Lab Sample ID: LCS 680-271209/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271466 — **Prep Batch: 271209**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.227	0.233		mg/Kg		102	80 - 120

Lab Sample ID: 680-88811-22 MS — **Client Sample ID: CV1039A-CS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271466 — **Prep Batch: 271209**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.27		0.142	0.387		mg/Kg	☼	80	80 - 120

Lab Sample ID: 680-88811-22 MSD — **Client Sample ID: CV1039A-CS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271466 — **Prep Batch: 271209**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.27		0.148	0.352	F	mg/Kg	☼	53	80 - 120	9	20

Lab Sample ID: MB 680-271529/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271931 — **Prep Batch: 271529**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0075	mg/Kg		04/02/13 10:30	04/04/13 10:50	1

Lab Sample ID: LCS 680-271529/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271931 — **Prep Batch: 271529**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.236	0.254		mg/Kg		108	80 - 120

Lab Sample ID: 680-88811-39 MS — **Client Sample ID: CV1039A-CS (sieve)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271931 — **Prep Batch: 271529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.19		0.115	0.294		mg/Kg	☼	88	80 - 120

Lab Sample ID: 680-88811-39 MSD — **Client Sample ID: CV1039A-CS (sieve)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 271931 — **Prep Batch: 271529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.19		0.111	0.319		mg/Kg	☼	114	80 - 120	8	20

Metals

Prep Batch: 271209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-22	CV1039A-CS	Total/NA	Solid	7471B	
680-88811-22 MS	CV1039A-CS	Total/NA	Solid	7471B	
680-88811-22 MSD	CV1039A-CS	Total/NA	Solid	7471B	
680-88811-23	CV1039A-CSD	Total/NA	Solid	7471B	
680-88811-27	CV1366A-CS	Total/NA	Solid	7471B	
680-88811-30	CV1043B-CS	Total/NA	Solid	7471B	
680-88811-34	CV1042C-CS	Total/NA	Solid	7471B	
680-88811-45	CV1119B-CS	Total/NA	Solid	7471B	
680-88811-64	CV1131B-CS	Total/NA	Solid	7471B	
680-88811-74	CV1138B-CS	Total/NA	Solid	7471B	
680-88811-78	CV1052B-CS	Total/NA	Solid	7471B	
LCS 680-271209/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-271209/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 271368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-22	CV1039A-CS	Total/NA	Solid	3050B	
680-88811-22 MS	CV1039A-CS	Total/NA	Solid	3050B	
680-88811-22 MSD	CV1039A-CS	Total/NA	Solid	3050B	
680-88811-23	CV1039A-CSD	Total/NA	Solid	3050B	
680-88811-27	CV1366A-CS	Total/NA	Solid	3050B	
680-88811-30	CV1043B-CS	Total/NA	Solid	3050B	
680-88811-34	CV1042C-CS	Total/NA	Solid	3050B	
680-88811-39	CV1039A-CS (sieve)	Total/NA	Solid	3050B	
680-88811-40	CV1039A-CSD (sieve)	Total/NA	Solid	3050B	
680-88811-41	CV1042C-CS (sieve)	Total/NA	Solid	3050B	
680-88811-42	CV1043B-CS (sieve)	Total/NA	Solid	3050B	
680-88811-43	CV1366A-CS (sieve)	Total/NA	Solid	3050B	
680-88811-45	CV1119B-CS	Total/NA	Solid	3050B	
680-88811-64	CV1131B-CS	Total/NA	Solid	3050B	
680-88811-74	CV1138B-CS	Total/NA	Solid	3050B	
680-88811-78	CV1052B-CS	Total/NA	Solid	3050B	
680-88811-85	CV1131B-CS (sieve)	Total/NA	Solid	3050B	
680-88811-86	CV1138B-CS (sieve)	Total/NA	Solid	3050B	
680-88811-87	CV1052B-CS (sieve)	Total/NA	Solid	3050B	
680-88811-88	CV1119B-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-271368/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-271368/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 271466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-22	CV1039A-CS	Total/NA	Solid	7471B	271209
680-88811-22 MS	CV1039A-CS	Total/NA	Solid	7471B	271209
680-88811-22 MSD	CV1039A-CS	Total/NA	Solid	7471B	271209
680-88811-23	CV1039A-CSD	Total/NA	Solid	7471B	271209
680-88811-27	CV1366A-CS	Total/NA	Solid	7471B	271209
680-88811-30	CV1043B-CS	Total/NA	Solid	7471B	271209
680-88811-34	CV1042C-CS	Total/NA	Solid	7471B	271209
680-88811-45	CV1119B-CS	Total/NA	Solid	7471B	271209
680-88811-64	CV1131B-CS	Total/NA	Solid	7471B	271209
680-88811-74	CV1138B-CS	Total/NA	Solid	7471B	271209

Metals (Continued)

Analysis Batch: 271466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-78	CV1052B-CS	Total/NA	Solid	7471B	271209
LCS 680-271209/2-A	Lab Control Sample	Total/NA	Solid	7471B	271209
MB 680-271209/1-A	Method Blank	Total/NA	Solid	7471B	271209

Prep Batch: 271529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-39	CV1039A-CS (sieve)	Total/NA	Solid	7471B	
680-88811-39 MS	CV1039A-CS (sieve)	Total/NA	Solid	7471B	
680-88811-39 MSD	CV1039A-CS (sieve)	Total/NA	Solid	7471B	
680-88811-40	CV1039A-CSD (sieve)	Total/NA	Solid	7471B	
680-88811-41	CV1042C-CS (sieve)	Total/NA	Solid	7471B	
680-88811-42	CV1043B-CS (sieve)	Total/NA	Solid	7471B	
680-88811-43	CV1366A-CS (sieve)	Total/NA	Solid	7471B	
680-88811-85	CV1131B-CS (sieve)	Total/NA	Solid	7471B	
680-88811-86	CV1138B-CS (sieve)	Total/NA	Solid	7471B	
680-88811-87	CV1052B-CS (sieve)	Total/NA	Solid	7471B	
680-88811-88	CV1119B-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-271529/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-271529/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 271678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-22	CV1039A-CS	Total/NA	Solid	6010C	271368
680-88811-22 MS	CV1039A-CS	Total/NA	Solid	6010C	271368
680-88811-22 MSD	CV1039A-CS	Total/NA	Solid	6010C	271368
680-88811-23	CV1039A-CSD	Total/NA	Solid	6010C	271368
680-88811-27	CV1366A-CS	Total/NA	Solid	6010C	271368
680-88811-30	CV1043B-CS	Total/NA	Solid	6010C	271368
680-88811-34	CV1042C-CS	Total/NA	Solid	6010C	271368
680-88811-39	CV1039A-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-40	CV1039A-CSD (sieve)	Total/NA	Solid	6010C	271368
680-88811-41	CV1042C-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-42	CV1043B-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-43	CV1366A-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-45	CV1119B-CS	Total/NA	Solid	6010C	271368
680-88811-64	CV1131B-CS	Total/NA	Solid	6010C	271368
680-88811-74	CV1138B-CS	Total/NA	Solid	6010C	271368
680-88811-78	CV1052B-CS	Total/NA	Solid	6010C	271368
680-88811-85	CV1131B-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-86	CV1138B-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-87	CV1052B-CS (sieve)	Total/NA	Solid	6010C	271368
680-88811-88	CV1119B-CS (sieve)	Total/NA	Solid	6010C	271368
LCS 680-271368/3-A	Lab Control Sample	Total/NA	Solid	6010C	271368
MB 680-271368/1-A	Method Blank	Total/NA	Solid	6010C	271368

Analysis Batch: 271931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-39	CV1039A-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-39 MS	CV1039A-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-39 MSD	CV1039A-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-40	CV1039A-CSD (sieve)	Total/NA	Solid	7471B	271529

Metals (Continued)

Analysis Batch: 271931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-41	CV1042C-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-42	CV1043B-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-43	CV1366A-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-85	CV1131B-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-86	CV1138B-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-87	CV1052B-CS (sieve)	Total/NA	Solid	7471B	271529
680-88811-88	CV1119B-CS (sieve)	Total/NA	Solid	7471B	271529
LCS 680-271529/2-A	Lab Control Sample	Total/NA	Solid	7471B	271529
MB 680-271529/1-A	Method Blank	Total/NA	Solid	7471B	271529

General Chemistry

Analysis Batch: 135961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-22	CV1039A-CS	Total/NA	Solid	Moisture	
680-88811-22 MS	CV1039A-CS	Total/NA	Solid	Moisture	
680-88811-22 MSD	CV1039A-CS	Total/NA	Solid	Moisture	

Analysis Batch: 135964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-23	CV1039A-CSD	Total/NA	Solid	Moisture	
680-88811-30	CV1043B-CS	Total/NA	Solid	Moisture	
680-88811-34	CV1042C-CS	Total/NA	Solid	Moisture	
680-88811-45	CV1119B-CS	Total/NA	Solid	Moisture	
680-88811-64	CV1131B-CS	Total/NA	Solid	Moisture	
680-88811-74	CV1138B-CS	Total/NA	Solid	Moisture	

Analysis Batch: 135977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-27	CV1366A-CS	Total/NA	Solid	Moisture	
680-88811-78	CV1052B-CS	Total/NA	Solid	Moisture	

Analysis Batch: 271244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88811-39	CV1039A-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-40	CV1039A-CSD (sieve)	Total/NA	Solid	Moisture	
680-88811-41	CV1042C-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-42	CV1043B-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-43	CV1366A-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-85	CV1131B-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-86	CV1138B-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-87	CV1052B-CS (sieve)	Total/NA	Solid	Moisture	
680-88811-88	CV1119B-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Client Sample ID: CV1039A-CS

Lab Sample ID: 680-88811-22
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 62.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 11:52	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 03:03	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135961	04/01/13 07:04	AG	TAL TAM

Client Sample ID: CV1039A-CSD

Lab Sample ID: 680-88811-23
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:00	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 03:30	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135964	04/01/13 08:16	AG	TAL TAM

Client Sample ID: CV1366A-CS

Lab Sample ID: 680-88811-27
Date Collected: 03/27/13 13:10
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:02	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 03:35	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135977	04/01/13 10:25	AG	TAL TAM

Client Sample ID: CV1043B-CS

Lab Sample ID: 680-88811-30
Date Collected: 03/27/13 14:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:05	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 03:41	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135964	04/01/13 08:16	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Client Sample ID: CV1042C-CS

Lab Sample ID: 680-88811-34
Date Collected: 03/27/13 13:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:07	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 03:46	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135964	04/01/13 08:16	AG	TAL TAM

Client Sample ID: CV1039A-CS (sieve)

Lab Sample ID: 680-88811-39
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 03:52	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 12:36	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Client Sample ID: CV1039A-CSD (sieve)

Lab Sample ID: 680-88811-40
Date Collected: 03/27/13 12:40
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:08	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:37	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Client Sample ID: CV1042C-CS (sieve)

Lab Sample ID: 680-88811-41
Date Collected: 03/27/13 13:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:14	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:39	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Client Sample ID: CV1043B-CS (sieve)

Lab Sample ID: 680-88811-42

Date Collected: 03/27/13 14:25
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:19	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:42	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Client Sample ID: CV1366A-CS (sieve)

Lab Sample ID: 680-88811-43

Date Collected: 03/27/13 13:10
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:25	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:49	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Client Sample ID: CV1119B-CS

Lab Sample ID: 680-88811-45

Date Collected: 03/28/13 09:25
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:10	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:30	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135964	04/01/13 08:16	AG	TAL TAM

Client Sample ID: CV1131B-CS

Lab Sample ID: 680-88811-64

Date Collected: 03/28/13 11:07
Date Received: 03/29/13 09:45

Matrix: Solid
Percent Solids: 68.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:17	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:36	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135964	04/01/13 08:16	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Client Sample ID: CV1138B-CS

Lab Sample ID: 680-88811-74
Date Collected: 03/28/13 13:05
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:20	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:41	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135964	04/01/13 08:16	AG	TAL TAM

Client Sample ID: CV1052B-CS

Lab Sample ID: 680-88811-78
Date Collected: 03/28/13 14:50
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271209	03/29/13 12:28	UU	TAL SAV
Total/NA	Analysis	7471B		1	271466	03/30/13 12:22	BCB	TAL SAV
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:47	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135977	04/01/13 10:25	AG	TAL TAM

Client Sample ID: CV1131B-CS (sieve)

Lab Sample ID: 680-88811-85
Date Collected: 03/28/13 11:07
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:52	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:52	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Client Sample ID: CV1138B-CS (sieve)

Lab Sample ID: 680-88811-86
Date Collected: 03/28/13 13:05
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 04:58	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:54	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Client Sample ID: CV1052B-CS (sieve)

Lab Sample ID: 680-88811-87

Date Collected: 03/28/13 14:50
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 05:14	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:56	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Client Sample ID: CV1119B-CS (sieve)

Lab Sample ID: 680-88811-88

Date Collected: 03/28/13 09:25
Matrix: Solid
Date Received: 03/29/13 09:45
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			271368	04/01/13 10:00	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/03/13 05:20	BCB	TAL SAV
Total/NA	Prep	7471B			271529	04/02/13 10:30	UU	TAL SAV
Total/NA	Analysis	7471B		1	271931	04/04/13 11:59	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271244	03/29/13 15:00	FS	TAL SAV

Laboratory References:

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

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

Serial Number 63533

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	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
(b) (6)		
CLIENT NAME	CLIENT E-MAIL	
(b) (6)		
CLIENT ADDRESS		
(b) (6)		
COMPANY CONTRACTING THIS WORK (if applicable)		

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

REQUIRED ANALYSIS: 22 PAH; Metals: RCRA

PRESERVATIVE

PAGE 2 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-27-13	0945	CV0013 A-CS	C / Solid	X	
	0955	CV0013 B-CS	C / Solid	X	
	0958	CV0013 C-CS	C / Solid	X	
	1000	CV0013 DC-CSD	C / Solid	X	
	1007	CV0013 ED-CS	C / Solid	X	
	1015	CV0013 E-CS	C / Solid	X	
	0950	CV0013 AB-GS	G / Solid	X	
	1235	CV1036A-CS	C / Solid	X	
	1240	CV1036B-CS	C / Solid	X	
	1240	CV1039A-CS	C / Solid	X X	
	1240	CV1039A-CSD	C / Solid	X X	
	1250	CV1039B-CS	C / Solid	X	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3-28-13	12:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	03/29/13	0945	YES ○ NO ○		680-98811	3.6 C

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4/9/2013

Serial Number 63534

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	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	200514B-1356	AL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (If applicable)		

PAGE 3 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 12 PAH	Metals - Rush $	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-27-13	1255	CV1040A-CS	C		X			X				
	1312	CV1042A-CS	C		X			X				
	1310	CV1366A-CS	C		X			X	X			
	1320	CV1366B-CS	C		X			X				
	1415	CV1043A-CS	C		X			X				
	1425	CV1043B-CS	C		X			X	X			
	1410	CV1049A-CS	C		X			X				
	1415	CV1049B-CS	C		X			X				
	1318	CV1042B-CS	C		X			X				
	1325	CV1042C-CS	C		X			X	X			
	1450	CV1047A-CS	C		X			X				
	1459	CV1047B-CS	C		X			X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature] Anglin	3-28-13	12:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	03/29/13	0945	YES ○ NO ○		680-98811	3.6°

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TAL8240-680 (1008)

Serial Number 63535

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

○ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
35th Ave Removal	200548-1356	AL	4	4

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		CLIENT FAX

(b) (6)

CLIENT NAME | CLIENT E-MAIL

(b) (6)

CLIENT ADDRESS (b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

STANDARD REPORT DELIVERY ○
DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: LL PAH	Metals - RCRA 8	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-27-B	1430	CV1050A-CS	C		X			X				
	1435	CV1050B-CS	C		X			X				
	1240	CV1039A-CS (sieve)	C		X			X	X			
	1240	CV1039A-CSD (Sieve)	C		X			X	X			
	1325	CV1042C-CS (sieve)	C		X				X			
	1425	CV1043B-CS (sieve)	C		X				X			
	1310	CV1366A-CS (sieve)	C		X				X			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Ben Amlin	3-28-13	12:00						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/24/13	0445	YES ○ NO ○		680-88811	3.6°

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4/9/2013

Serial Number 63536

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	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

CLIENT (SITE) PM | CLIENT PHONE | CLIENT FAX

(b) (6)

CLIENT NAME | CLIENT E-MAIL

(b) (6)

CLIENT ADDRESS (b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 1 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 22 PAH	Metals RCRA 8	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-28-13	0915	CV1119A-CS	C		X			X				
	0925	CV1119B-CS	C		X			X	X			
	0935	CV1119C-GS	G		X			X				
	0935	CV1119C-GSD	G		X			X				
	0940	CV1119D-GS	G		X			X				
	1055	CV1120A-CS	C		X			X				
	1005	CV1120B-CS	C		X			X				
	0845	CV1121A-CS	C		X			X				
	0850	CV1121B-CS	C		X			X				
	0859	CV1121C-CS	C		X			X				
	1050	CV1122A-CS	C		X			X				
	1100	CV1122B-CS	C		X			X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Hayslip	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABOFATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680-99811	3.8°

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Serial Number 63538

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	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS	PAGE
35th Ave Removal	200548-1356	AL			2 of 4

TAL (LAB) PROJECT MANAGER: Lisa Harvey
P.O. NUMBER:
CONTRACT NO.:
CLIENT FAX:

(b) (6)

CLIENT NAME: (b) (6)
CLIENT E-MAIL:
CLIENT ADDRESS: (b) (6)
COMPANY CONTRACTING THIS WORK (if applicable)

STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	Metals RCRA 8	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-28-13	0905	CV1123A-CS	C		X			X			
	0925	CV1123B-CS	C		X			X			
	1006	CV1125A-CS	C		X			X			
	1015	CV1125B-CS	C		X			X			
	1030	CV1127A-CS	C		X			X			
	1032	CV1127A-CSD	C		X			X			
	1038	CV1127B-CS	C		X			X			
	1100	CV1131A-CS	C		X			X			
	1107	CV1131B-CS	C		X			X	X		
	1115	CV1131C-CS	C		X			X			
	1345	CV1056A-CS	C		X			X			
	1347	CV1056A-CSD	C		X			X			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680-88811	3.8 C

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Serial Number 63539

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	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
(b) (6)		
CLIENT NAME	CLIENT E-MAIL	
(b) (6)		
CLIENT ADDRESS		
(b) (6)		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 3 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: LL PAH	Metals - RCRA 8	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-28-13	1355	CV1056B-CS	C		X			X				
	1305	CV1124A-CS	C		X			X				
	1315	CV1124B-CS	C		X			X				
	1335	CV1126A-CS	C		X			X				
	1345	CV1126B-CS	C		X			X				
	1255	CV1138A-CS	C		X			X				
	1305	CV1138B-CS	C		X			X	X			
	1310	CV1140A-CS	C		X			X				
	1315	CV1140B-CS	C		X			X				
	1440	CV1052A-CS	C		X			X				
	1450	CV1052B-CS	C		X			X	X			
	1405	CV1054A-CS	C		X			X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680 88821	3.8°

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4/9/2013

TAL8240-680 (1008)

Serial Number 63540

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	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	200548-1356	AL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
	CLIENT E-MAIL	

(b) (6)
CLIENT NAME
(b) (6)
CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 4 OF 4

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 22 PAH	Metals RCRA 8	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-28-13	1415	CV1054B-CS	C		X			X				
	1455	CV1136A-CS	C		X			X				
	1445	CV1141A-CS	C		X			X				
	1445	CV1141A-CSD	C		X			X				
	1515	CV1058A-CS	C		X			X				
	1107	CV1131B-CS (sieve)	C		X				X			
	1305	CV1138B-CS (sieve)	C		X				X			
	1450	CV1052B-CS (sieve)	C		X				X			
	0925	CV1119B-CS (sieve)	C		X				X			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3-28-13	1730						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/29/13	0945	YES ○ NO ○		680-98811	3.8°

TAL8240-680 (1008)

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4/9/2013

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
SDG Number: 68088811-5

Login Number: 88811
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have leg ble labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-5
SDG Number: 68088811-5

Login Number: 88811
List Number: 1
Creator: Edwards, Erricka

List Source: TestAmerica Tampa
List Creation: 03/30/13 10:20 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have leg ble labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Laboratory: TestAmerica Savannah

All certifica ions held by this laboratory are listed. Not all cer ifications 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
Ilinois	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 certifica ions held by this laboratory are listed. Not all cer ifications 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.

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

TestAmerica Job ID: 680-88811-5
SDG: 68088811-5

Laboratory: TestAmerica Tampa (Continued)

All certifica ions held by this laboratory are listed. Not all cer ifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00177	04-20-14